

15th ESSKA Congress

MAY 2-5, 2012
GENEVA/SWITZERLAND

FINAL PROGRAMME

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WELCOME ADDRESS ESSKA PRESIDENT

Welcome to ESSKA's 15th biannual Congress!

For this congress we invite you to Geneva, a spectacular city set in a spectacular landscape, and one to which we all of us owe a great deal. Geneva is not only the city of chocolate and the Red Cross. It was also Calvin's city and because of that it played a major part in creating the modern world, the world of hard-work and dedication to task, the very qualities that we value in ourselves, as doctors and professionals.

And behind this – our 15th Congress – there has certainly been a deal of hard work and dedication. We have assembled some of the world's authorities in sport traumatology, knee surgery and arthroscopy. There will be ICLs, ground-breaking lectures, symposia, poster discussion sessions, as well as the presentation of awards.

With regard to the last two years, I am proud to conclude that we have done much of what we said we would do. In international terms, ESSKA has become a trusted umbrella organization with a growing number of members and affiliated societies, especially in Europe. We have managed this, quite simply, because we “only go for the best”, hence the growing esteem of our congresses. We are open and enthusiastic and this seems to attract young researchers and scientists. And of course the geography helps us – so much quality within such a short distance.

We in ESSKA promote education and research, using our biannual congress as a flagship. And we are convinced that this will be the best Congress ever, and that you will go home having made new friends, formed new and valuable contacts, and learned new techniques from the leaders in the field. If we can manage that then you will leave Geneva and say to yourselves – as many have said of our last congress – that “this is the place where it happens, this is the place to be”...

And we in ESSKA will have achieved our goal, creating a framework for professionals in our field!

As ESSKA's President I would just like to add my personal thanks to all who have created this congress.

Prof. C. Niek van Dijk
President of ESSKA

WELCOME ADDRESS CONGRESS PRESIDENT

Welcome to Geneva

As President of the organizing committee, I am happy to welcome you to the 15th ESSKA Congress in Geneva. Early May is a good period to visit and discover Geneva and its surroundings.

There are some excellent reasons to participate in this ESSKA meeting:

- A very attractive scientific programme has been created by Jacques Ménétreay and Stefano Zaffagnini who have started to work on it 2 years ago. Guest speakers, highlight lectures, instructional course lectures, symposia, mini-battles, Happy Poster Hours and free papers will be presented in 6 parallel rooms.
- The city of Geneva offers a wide choice of attractions. On the hill of the Old City, you can visit an archaeological exhibition, under St-Pierre cathedral which bear witness of more than 23 centuries of history. Leisure activities and shopping will bring you from the tiny roads of the Old City to the wide lakeshore where you will discover the fountain (Jet d'eau) which rises 140 metres over the level of the lake.
- Jean-Jacques Rousseau, famous writer, philosopher and musician, is a child of Geneva where he was born in 1712. We celebrate the 300th anniversary of his birth with various expositions, conferences, concerts and special events. The Jean-Jacques Rousseau Institute, precursor of the Faculty of Psychology and Education Sciences, is celebrating its 100th anniversary.
- During the meeting we will host a "Watchmaker course" on Thursday and Friday. This 2 hours course run by the Bucherer Company will give participants the opportunity to take apart a mechanical watch movement and – then – to rebuild it piece by piece. As Geneva is the capital of the major watch companies of the world, this course is a rare occasion to discover the body of a simple mechanical watch.
- Another workshop will attract your attention: the Victorinox company, worldwide known for its famous "swiss knife", will offer a course on "Manufacture of a knife". The participants will build up a pocket knife under the supervision of professional experts.
- For these 2 courses, a financial contribution of 25,00 EUR each will be asked.
- The Gala Dinner, scheduled on Friday May 4, will be organized at the Starling Hotel, adjacent to PALEXPO. This dinner offers a unique opportunity to meet friends and people from all European countries and the rest of the world. The "Acappella" singers will entertain the audience and a musical atmosphere will extend the evening. Do not miss it!

We hope that you will enjoy these 4 days of ESSKA scientific activities and friendship and that you will bring back home a brilliant souvenir of Geneva.

Prof. Daniel FRITSCHY
Congress President

WELCOME ADDRESS SCIENTIFIC CHAIRMEN

Dear colleagues and members of ESSKA,

The European Society of Sports Traumatology, Knee Surgery and Arthroscopy (ESSKA) has the pleasure of inviting you to the 15th ESSKA Congress in Geneva, May 2-5, 2012.

We are proud to welcome you to the best scientific programme ever which features 18 Instructional Course Lectures, 218 podium presentations, and more than 650 posters. The scientific value of the work submitted has been very high generating a rude competition for abstract acceptance and podium presentations. We therefore encourage you to also visit the poster venue where you'll find interesting and high level studies presented. Altogether, there will be more than 45 symposia, and 40 lectures and battles. Our initial wish was to render our sessions more interactive and we count on your participation to animate the debates. Don't be shy!

Of course, this year's congress introduces several new and exciting features. One of those is the first

Comprehensive Sports Medicine Review Course. A second is the "Poster Happy Hour" Session (with beverages and snacks) Wednesday and Thursday with all presenters standing at their posters waiting for stimulating discussions with the delegates. A third is the presence of a video booth available throughout the entire meeting where technical tips and pearls will be displayed.

We welcome our seven Highlight Speakers: Jean-Noël Argenson (France), Grégoire Courtine (Switzerland), Pierre Chambat (France), John Feagin (USA), Freddie Fu (USA), Tim Hewett (USA), and Johnny Huard (Canada/USA), who will give insight into the frontline of sports traumatology and degenerative problems. We are proud to invite these eminent and distinguished speakers to our ESSKA congress.

Just as during the Porto and Oslo congresses, the best papers of all submitted abstracts have been selected for the « Star Paper Session ». The 6 papers with the highest scores will compete for the Theo-van-Rens Award on Thursday in the Plenary Hall.

We are also happy to present a full 3-day Physiotherapist programme with lectures, workshops, symposia and free papers, and a one day Nurse course that will be held on Friday.

The programme on Thursday, Friday and Saturday will start with the Instructional Course Lectures, followed by the plenary sessions with invited speakers giving highlight lectures. From 10.30 h, there will be 6 parallel rooms with symposia, lectures, free papers, debates, and symposia. The scientific programme committee has worked hard on integration, geographical and scientific balance and you will find several women and new young speakers.

During the lunch breaks the industry will organise lunch symposia, demonstrating the latest technology available. These events are important, and most probably the best opportunity to keep up with the modern techniques.

The congress starts Wednesday morning, May 2nd, and will end on Saturday, May 5th at lunch time.

We cordially welcome you all to Geneva to share ideas and to participate in an exciting scientific and social programme.

Prof. Jacques Menetrey
Scientific chairman

Prof. Stefano Zaffagnini
Scientific chairman

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INSTRUCTIONAL COURSE LECTURES

THURSDAY, MAY 3, 2012 / FRIDAY, MAY 4, 2012

THURSDAY, MAY 3, 2012

07:30 - 08:55

Room	Title	Chair	see Page
A + B	ICL 06: PCL study group: Basic concept in PCL evaluation (imaging, clinical evaluation)	<i>Verdonk P. (Belgium), Benedetto K. (Austria)</i>	46
LE JURA	ICL 02: ULS: Management of rotator cuff calcific tendinopathy	<i>Havlas V. (Czech Republic), Karahan M. (Turkey)</i>	56
LE SALÈVE	ICL 03: ULS: Personality of cuff tears and biceps pathology, global visions evaluation and treatment options	<i>Poberaj B. (Slovenia), Calvo Diaz A. (Spain), Taverna E. (Italy)</i>	68
C	ICL 04: EKA: TKA the basics – Surgical technique to get your TKA right	<i>Victor J. (Belgium), Neyret P. (France)</i>	53
K	ICL 05: ESSKA – AFAS: Posterior ankle impingement: What's the limit?	<i>van Dijk C. (Netherlands), Calder J. (United Kingdom)</i>	59
E	ICL 01: Arthroscopy committee: Video surgical technique	<i>Siebold R. (Germany), Kartus J. (Sweden)</i>	62

FRIDAY, MAY 4, 2012

07:30 - 08:55

Room	Title	Chair	see Page
A + B	ICL 07: Revision ACL cruciate reconstruction	<i>Denti M. (Italy), Menetrey J. (Switzerland)</i>	74
LE JURA	ICL 08: ULS: Massive RC tears and cuff arthropathy	<i>Brzoska R. (Poland), Cartucho Pereira A. (Portugal)</i>	85
LE SALÈVE	ICL 09: Multiple ligament injury management	<i>Marx R. (United States), Scheffler S. (Germany)</i>	95
C	ICL 10: EKA: Uni in medial OA – The basics	<i>Argenson J. (France), Franz A. (Germany)</i>	81
K	ICL 11: Study design and research methodology	<i>Årøen A. (Norway), Løken S. (Norway)</i>	89
E	ICL 12: EWAS: Wrist arthroscopy in traumatic and post-traumatic injuries	<i>Messina Jane (Italy), Luchetti R. (Italy)</i>	91

INSTRUCTIONAL COURSE LECTURES

SATURDAY, MAY 5, 2012

SATURDAY, MAY 5, 2012

07:30 - 08:55

Room	Title	Chair	see Page
A + B	ICL 13: Needed knowledge for a surgeon on the lateral and posterolateral corner of the knee – A case based ICL	<i>Engebretsen L. (Norway)</i>	104
LE JURA	ICL 15: Cartilage committee: Algorithms and flow-charts for the treatment of cartilage pathology	<i>Brittberg M. (Sweden), Madry H. (Germany)</i>	109
LE SALÈVE	ICL 14: ULS: Safe and efficient shoulder rehabilitation after surgery – Practical guidelines for surgeons	<i>Gleyze P. (France), Cools Ann M. (Belgium)</i>	115
C	ICL 16: EKA: Osteotomy – The basics	<i>van Heerwaarden R. (Netherlands), Mayr H. (Germany)</i>	107
K	ICL 17: ULS: Elbow arthroscopy	<i>Safran M. (United States)</i>	111
E	ICL 18: Navigation in orthopaedic sports medicine	<i>Colombet P. (France), Klos B. (Netherlands)</i>	113

TIMETABLE

WEDNESDAY, MAY 2, 2012

Time	Room A	Room B	Room C	Le Jura			
8.00							
8.15	Opening Ceremony						
8.35	Highlight lecture by Freddie Fu						
8.45							
9.05	Highlight lecture by Tim Hewett						
9.15							
9.35	Highlight lecture by Pierre Chambat						
9.45							
10.00	Coffee break		Visit industrial exhibition	Coffee break			
10.15							
10.30	Free papers: Ligament I	Free papers: Meniscus I	Free papers: EKA - Total joint I	Free papers: Shoulder I			
10.45							
11.00							
11.15							
11.30							
11.45							
12.00	Lunch Workshops						
12.15							
12.30							
12.45							
13.00							
13.15	Lunch Break						
13.30							
13.45							
14.00	ESSKA – AOSSM	New horizons in PCL	EKA - Unicompartmental resurfacing, bi, tri compartmental resurfacing	Arthroscopy Committee: The ACL laxity evaluation: How to make a difference between partial and total?			
14.15							
14.30							
14.45							
15.00	ESSKA – APKASS						
15.15							
15.30	Coffee break				Visit industrial exhibition	Coffee break	
15.45							
16.00	ESSKA – SLARD	Free papers: Cartilage I	Knee arthroplasty and sports	Free papers: Ligament II			
16.15							
16.30							
16.45							
17.00	ESSKA – ISAKOS: New frontiers in arthroscopy of the lower limb	Cartilage Committee: The ACL-injured knee with a focal cartilage defect - risk factors prognosis and treatment	EKA – Patient matched cutting blocks	ESSKA – SFA: Sub-Scapularis tears: A 2012 update			
17.15							
17.30							
17.45							
18.00	Poster Happy Hour I		(in Hall 1)	Poster Happy Hour I			
18.15							
18.30	Welcome Reception						
18.45							
19.00							
19.15							
19.30							

Break	Battle	Instructional Course Lecture
Free paper	Awards	Posters
Symposium	Nurse Course	Orthopaedic Review Course
Highlight Lecture	Key Note Lecture	

Room K	Room E	Le Salève	Room L	Time
				8.00
				8.15
				8.35
				8.45
				9.05
				9.15
				9.35
				9.45
Coffee break		Visit industrial exhibition	Coffee break	10.00
				10.15
PT Shoulder Symposim: Shoulder dysfunctions	Free Papers: Leg, Foot & Ankle, Tendon			10.30
				10.45
				11.00
				11.15
				11.30
				11.45
				12.00
				12.15
Lunch Workshops				12.30
Lunch Workshops				12.45
				13.00
				13.15
Lunch Break		Lunch Break		13.30
				13.45
PT Knee Symposium: Knee osteoarthritis and Total Knee Arthroplasty	ESSKA – AFAS: Acute ankle instability in the athlete's ankle			14.00
				14.15
				14.30
				14.45
				15.00
				15.15
Coffee break		Visit industrial exhibition	Coffee break	15.30
				15.45
PT Knee Symposium: ACL – Non-operative and operative treatment of patients with ACL injury	ESSKA – AFAS: Stress fractures of foot and ankle in the athlete			16.00
				16.15
				16.30
				16.45
	ESSKA – AFAS: Talar OCD: Secondary defects difficult to treat?			17.00
				17.15
				17.30
				17.45
Poster Happy Hour I		(in Hall 1)	Poster Happy Hour I	18.00
				18.15
				18.30
Welcome Reception		Welcome Reception		18.45
				19.00
				19.15
				19.30

Timetables

Wednesday

Thursday

Friday

Saturday

Posters

TIMETABLE

THURSDAY, MAY 3, 2012

Time	Room A	Room B	Room C	Le Jura
7.30	ICL 06: PCL study group: Basic concept in PCL evaluation (imaging, clinical evaluation)		ICL 04: EKA: TKA the basics – Surgical technique to get your TKA right	ICL 02: ULS: Management of rotator cuff calcific tendinopathy
8.00				
8.30				
8.45				
8.55				
9.00	Presidential lecture by Niek van Dijk			
9.10				
9.20	Social lecture by Guillaume Courtine			
9.30	Ejnar Eriksson Lecture by John Feagin			
9.45				
10.00	Coffee break		Visit industrial exhibition	Coffee break
10.15				
10.30	Star papers			
10.45				
11.00				
11.15				
11.30	Free papers: Ligament III	Free papers: Shoulder II	Free papers: Degenerative	Free papers: Patello-femoral I
11.45				
12.00				
12.30	Lunch Workshops		Lunch Workshops	
12.45				
13.00				
13.30	Lunch Break		Lunch Break	
13.45				
14.00	Arthroscopy Committee: Patella dislocation: Soft tissue and bony procedures	Failed instability repair: Analysis of prognostic factors	EKA – Kinematics of the natural knee and targets for the replaced knee	Knee injuries in children
14.15				
14.30				
14.45				
15.00				
15.10				
15.20				
15.25				
15.30				
15.45	Coffee break		Visit industrial exhibition	Coffee break
16.00	Maxi Battle: Roos vs. Engebretsen	Biology and rotator cuff repair: A new approach	EKA – Patellofemoral joint in TKA	Basic science committee: Knee joint assessment methods
16.15				
16.45	Battle: Two steps vs one step in cartilage repair			
16.55				
17.00	ESSKA – Scandinavian Sports Society	Interactive upper limb cases	EKA – Revision TKA: How to deal with infection: Prevention and treatment	Preservation of ACL remnants (biomechanics, proprioception, vascularization)
17.15				
17.30				
17.45				
18.00				
18.15	Poster Happy Hour II		(in Hall 1)	Poster Happy Hour II
18.30				
18.45				
19.00				

Break	Battle	Instructional Course Lecture
Free paper	Awards	Posters
Symposium	Nurse Course	Orthopaedic Review Course
Highlight Lecture	Key Note Lecture	

Room K	Room E	Le Salève	Room L	Time	
ICL 05: ESSKA – AFAS: Posterior ankle impingement: What's the limit?	ICL 01: Arthroscopy committee: Video surgical technique	ICL 03: ULS: Personality of cuff tears and biceps pathology, global visions evaluation and treatment options		7.30	
				8.00	
				8.30	
				8.45	
				8.55	
				9.00	
				9.10	
				9.20	
				9.30	
				9.45	
Coffee break		Visit industrial exhibition	Coffee break	10.00	
				10.15	
				10.30	
				10.45	
				11.00	
				11.15	
Free papers: Return to play	Free papers: Ligament IV	Free Papers: Cartilage IV	Free papers: Basic science	11.30	
				11.45	
				12.00	
Lunch Workshops				12.30	
Lunch Workshops				12.45	
				13.00	
Lunch Break		Lunch Break		13.30	
				13.45	
PT Symposium Cartilage: Latest evidence on exercise therapy for patients with cartilage lesions	ESSKA – Dutch/Belgium: The tendon of the long head of the biceps: Update on pathology and management			14.00	
				14.15	
				14.30	
	ESSKA – SIGASCOT – Current options for treatment of tendinopathy			14.45	
				15.00	
				15.10	
				15.25	
				15.27	
Coffee break		Visit industrial exhibition	Coffee break	15.30	
				15.45	
PT Symposium: Hamstring injuries – diagnostic criteria and rehabilitation	PRP in orthopaedic sports medicine			16.00	
				16.15	
				16.45	
				16.55	
Free papers: Pelvis/groin	National Award Winners			17.00	
				17.15	
				17.30	
				17.45	
				18.00	
Poster Happy Hour II		(in Hall 1)	Poster Happy Hour II	18.15	
				18.30	
				18.45	
				19.00	

Timetables

Wednesday

Thursday

Friday

Saturday

Posters

TIMETABLE

FRIDAY, MAY 4, 2012

Time	Room A	Room B	Room C	Le Jura		
7.30	ICL 07: Revision ACL cruciate reconstruction		ICL 10: EKA: Uni in medial OA – The basics	ICL 08: ULS: Massive RC tears and cuff arthropathy		
8.00						
8.30						
8.45						
8.55						
9.00	Travelling Fellows presentation					
9.15						
9.30	Highlight lecture by Jean-Noël Argenson					
9.45						
9.55	Coffee break					
10.15	Visit industrial exhibition					
10.30	Free papers: Ligament V	Free papers: Shoulder III	Free papers: EKA – Joint replacement	Free papers: Meniscus II		
10.45						
11.00	ESSKA General assembly					
11.30						
12.00	Lunch Workshops					
12.30						
12.45						
13.00						
13.30	Lunch Break					
13.45	Lunch Break					
14.00	Free papers: Sport specific & Injury prevention	Biological treatment of early osteoarthritis	Free Papers: EKA – Total joint replacement	Hip Arthroscopy: Basic concept current indication and future perspective		
14.15						
14.30		Key note: Radiofrequency and meniscal tissue: From resection to repair				
14.45						
15.00		QQ: Osteochondritis dissecans of the elbow: Treatment options				
15.10						
15.15						
15.25						
15.30	Coffee break					
15.45	Visit industrial exhibition					
16.00	Key note: ACL laxity evaluation	Free Papers: Basic Science II	EKA – Revision TKA: Getting the right diagnosis, indication and surgical technique	ESSKA – AGA: Remodelling of the ACL-graft		
16.10						
16.15	Key note: When to do an osteotomy in lateral and AP laxity?					
16.25						
16.30	Key note: Mosaicplasty – Does size matter?					
16.40						
16.45	Key note: Mosaicplasty versus ACI II-III: Cost/Benefit versus Complications					
16.55						
17.00	Key note: IOC & sports medicine	Anatomical dissection / discover the elbow	EKA – TKA: Optimizing Part I	Free Papers: Ligament VIII		
17.10						
17.15	Key note: Why there are less muscle injuries among female?					
17.25						
17.30	Key note: Does the female heal better than man	Key note: New arthroscopic shoulder portals				
17.40						
17.45	Key note: Muscle injury optimal treatment	Key Note: ULS – Nerve entrapment in shoulder				
17.50						
18.00						

Break	Battle	Instructional Course Lecture
Free paper	Awards	Posters
Symposium	Nurse Course	Orthopaedic Review Course
Highlight Lecture	Key Note Lecture	

Room K	Room E	Le Salève	Room L	Time			
ICL 11: Study design and research methodology	ICL 12: EWAS: Wrist arthroscopy in traumatic and post-traumatic injuries	ICL 09: Multiple ligament injury management		7.30			
				8.00			
				8.30			
				8.45			
				8.55			
				9.00			
				9.15			
				9.30			
				9.45			
Coffee break		Visit industrial exhibition	Coffee break	9.55			
				10.15			
Free papers: Mechanobiology of the knee	Free papers: Muscle & Tendon		Nurse Course	10.30			
				10.45			
				11.00			
				11.30			
KSSTA Review Course				12.00			
	Lunch Workshops Lunch Workshops			12.30			
				12.45			
	Lunch Break			13.00			
				13.30			
				13.45			
Free Papers: Shoulder IV	Free papers: PCL-PLC & Multiple ligament injury	Orthopaedic Sports Medicine Comprehensive Review Course – Upper Limb	Nurse Course	14.00			
Relationship recommendations for patient management				Free Papers: Ligament VII			14.15
							14.30
			14.45				
				15.00			
				15.10			
				15.15			
				15.25			
Coffee break		Visit industrial exhibition	Coffee break	15.30			
				15.45			
	ATSG – Insertional Achilles Tendinopathy – consensus from diagnosis to the modern treatments	Orthopaedic Sports Medicine Comprehensive Review Course – Lower Limb	Nurse Course	16.00			
				16.10			
				16.15			
				16.25			
				16.30			
				16.40			
				16.45			
				16.55			
	EMTG – Meniscal implantation – South Korean allografts and European synthetic grafts	Orthopaedic Sports Medicine Comprehensive Review Course – Spine and Sport Medicine	Nurse Course	17.00			
				17.10			
				17.15			
				17.25			
				17.30			
				17.40			
				17.45			
				17.50			
				18.00			

Timetables

Wednesday

Thursday

Friday

Saturday

Posters

TIMETABLE

SATURDAY, MAY 5, 2012

Time	Room A	Room B	Room C	Le Jura
7.30	ICL 13: Needed knowledge for a surgeon on the lateral and posterolateral corner of the knee – A case based ICL		ICL 16: EKA: Osteotomy – The basics	ICL 15: Cartilage committee: Algorithms and flow-charts for the treatment of cartilage pathology
7.45				
8.00				
8.15				
8.30				
8.45				
8.55				
9.00	Awards presentation			
9.15				
9.30	Highlight lecture by Johnny Huard			
9.45				
9.55	Presentation ESSKA Amsterdam 2014			
10.00				
10.10	Key note: The joints and the surgeons, a multifactorial analysis for a complex relationship			
10.20				
10.30	Coffee break Visit industrial exhibition Coffee break			
10.45				
11.00	Battle: Arthroscopic treatment of a degenerative joint: To do or to avoid? – Kohn vs. Steadman	Key note: Disorders clavicular joint	EKA – Lateral OA of the knee uni or osteotomy?	Key note: Root MM Injury
11.10		Key note: Scapulothoracic dyskinesia		
11.15				
11.25				
11.30	Free papers: Ligament VI	Crash and nightmare, how things can go wrong in shoulder arthroscopy		QQ: Mensical repair: Non absorbable or absorbable suture
11.40				
11.45			Key note: Does limb torsion matter?	Free papers: Cartilage II
11.55				
12.00	Multiple ligaments case presentations	Sports medicine committee: Acute hamstring injuries: From onset to treatment	EKA – TKA: Optimizing TKA II	Basic science committee: Latest developments in medical imaging
12.10				
12.20				
12.30				
12.40				
12.50				
13.00				

Break
Free paper
Symposium
Highlight Lecture

Battle
Awards
Nurse Course
Key Note Lecture

Instructional Course Lecture
Posters
Orthopaedic Review Course

Room K	Room E	Le Salève	Room L	Time
ICL 17: ULS: Elbow arthroscopy	ICL 18: Navigation in orthopaedic sports medicine	ICL 14: ULS: Safe and efficient shoulder rehabilitation after surgery – practical guidelines for surgeons		7.30
				7.45
				8.00
				8.15
				8.30
				8.45
				8.55
				9.00
				9.15
				9.30
				9.45
				9.55
				10.00
				10.10
				10.20
Coffee break				10.30
Visit industrial exhibition				10.45
Coffee break				11.00
Key note: Arthroscopic treatment of degenerative joint	ECOSEP: Sports on Field Trauma Emergencies SOFTE: An important tool for the SEM physicians			11.10
Key note: How to manage a stiff knee				11.15
Key note: Formula One Medicine				11.25
Key note: Patellofemoral osteoarthritis in young adults				11.30
				11.40
				11.45
				11.55
Free papers: Patello-femoral II	ESSKA – EFOT: Sports and Knee Arthritis			12.00
				12.10
				12.20
				12.30
				12.40
Free papers: Cartilage III				12.50
				13.00

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SCIENTIFIC PROGRAMME

WEDNESDAY, MAY 2, 2012

Time	Room A	Room B	Room C	Le Jura		
8.00						
8.15	Opening Ceremony					
8.35	Highlight lecture by Freddie Fu					
8.45						
9.05	Highlight lecture by Tim Hewett					
9.15						
9.35	Highlight lecture by Pierre Chambat					
9.45						
10.00	Coffee break		Visit industrial exhibition	Coffee break		
10.15						
10.30	Free papers: Ligament I	Free papers: Meniscus I	Free papers: EKA - Total joint I	Free papers: Shoulder I		
10.45						
11.00						
11.15						
11.30						
11.45						
12.00	Lunch Workshops					
12.15						
12.30						
12.45						
13.00						
13.15						
13.30	Lunch Break		Lunch Break			
13.45						
14.00	ESSKA – AOSSM	New horizons in PCL	EKA – Unicompartmental resurfacing, bi, tri compartmental resurfacing	Arthroscopy Committee: The ACL laxity evaluation: How to make a difference between partial and total?		
14.15						
14.30						
14.45						
15.00	ESSKA – APKASS					
15.15						
15.30	Coffee break		Visit industrial exhibition	Coffee break		
15.45						
16.00	ESSKA – SLARD	Free papers: Cartilage I	Knee arthroplasty and sports	Free papers: Ligament II		
16.15						
16.30						
16.45						
17.00	ESSKA – ISAKOS: New frontiers in arthroscopy of the lower limb	Cartilage Committee: The ACL-injured knee with a focal cartilage defect – risk factors prognosis and treatment	EKA - Patient matched cutting blocks	ESSKA – SFA: Sub-Scapularis tears: A 2012 update		
17.15						
17.30						
17.45						
18.00	Poster Happy Hour I		(in Hall 1)	Poster Happy Hour I		
18.15						
18.30						
18.45	Welcome Reception		Welcome Reception			
19.00						
19.15						
19.30						

Break	Battle	Instructional Course Lecture
Free paper	Awards	Posters
Symposium	Nurse Course	Orthopaedic Review Course
Highlight Lecture	Key Note Lecture	

Room K	Room E	Le Salève	Room L	Time
				8.00
				8.15
				8.35
				8.45
				9.05
				9.15
				9.35
				9.45
Coffee break		Visit industrial exhibition	Coffee break	10.00
				10.15
PT Shoulder Symposim: Shoulder dysfunctions	Free Papers: Leg, Foot & Ankle, Tendon			10.30
				10.45
				11.00
				11.15
				11.30
				11.45
				12.00
				12.15
Lunch Workshops		Lunch Workshops		12.30
				12.45
				13.00
				13.15
				13.30
Lunch Break		Lunch Break		13.45
PT Knee Symposium: Knee osteoarthritis and Total Knee Arthroplasty	ESSKA – AFAS: Acute ankle instability in the athlete's ankle			14.00
				14.15
				14.30
				14.45
				15.00
				15.15
Coffee break		Visit industrial exhibition	Coffee break	15.30
				15.45
PT Knee Symposium: ACL – Non-operative and operative treatment of patients with ACL injury	ESSKA – AFAS: Stress fractures of foot and ankle in the athlete			16.00
				16.15
				16.30
				16.45
	ESSKA – AFAS: Talar OCD: Secondary defects difficult to treat?			17.00
				17.15
				17.30
				17.45
Poster Happy Hour I		(in Hall 1)	Poster Happy Hour I	18.00
				18.15
				18.30
Welcome Reception		Welcome Reception		18.45
				19.00
				19.15
				19.30

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SCIENTIFIC PROGRAMME

WEDNESDAY, MAY 2, 2012

ROOM A+B

08:15 - 08:35 Opening Ceremony

Chair: Fritschy D. (Switzerland), van Dijk C. (Netherlands), Zaffagnini S. (Italy), Menetrey J. (Switzerland)

08:35 - 09:05 Highlight lecture

Chair: Menetrey J. (Switzerland)

08:35 - 09:05 Anatomical reconstruction of the ACL

IL10-4013 Fu F. (United States)

09:05 - 09:35 Highlight lecture

Chair: Zaffagnini S. (Italy)

09:05 - 09:35 ACL injury mechanism and prevention

IL11-4014 Hewett T. (United States)

09:35 - 10:00 Highlight lecture

Chair: Fritschy D. (Switzerland)

09:35 - 10:00 The European course of knee surgery

IL12-4015 Chablat P. (France)

10:00 - 10:30 Coffee break, visit industrial exhibition

ROOM A

10:30 - 12:00	Free papers: Ligament I <i>Chair: Amis A. (United Kingdom), Fabbriciani C. (Italy)</i>
10:30 - 10:35	Dynamic in vivo knee kinematics after anatomic double bundle ACL reconstruction <i>FP10-1487 Kopf S. (Germany), Moloney Gele, Freismuth Kristina, Fu F., Tashman S.</i>
10:35 - 10:40	The quantitative detection of the pivot shift phenomenon by simple image analysis <i>FP10-1311 Terada S. (United States), Hoshino Y., Musahl V., Fu F.</i>
10:40 - 10:45	Preoperative and postoperative biomechanical analysis of the knee with partial anterior cruciate ligament disruption: Quantitative evaluation using an electromagnetic measurement system <i>FP10-1108 Nishizawa Y. (Japan), Kuroda R., Matsushita T., Kubo S., Nagamune K., Kurosaka M.</i>
10:45 - 10:50	Comparison of three non-invasive quantitative measurement systems for the pivot shift test <i>FP10-816 Araujo P. (Brazil), Ahldén M., Musahl V., Hoshino Y., Lopomo N., Fu F.</i>
10:50 - 11:00	Discussion
11:00 - 11:05	Patients with focal full-thickness cartilage lesions benefit less from ACL reconstruction at 2 to 5 years follow-up <i>FP10-598 Røtterud J. (Norway), Risberg May Arna, Engebretsen L., Årøen A.</i>
11:05 - 11:10	Femoral graft bending angle and femoral tunnel geometry of transportal and outside-in techniques in anterior cruciate ligament reconstruction: an in vivo three dimensional-computed tomography (3D-CT) analysis <i>FP10-436 Kim J. (South Korea (ROK)), Wang J., Lim H., Ahn J., Jae Hyuck Y., Kim H.</i>
11:10 - 11:15	Increasing posterior tibial slope does not affect anterior cruciate ligament strain <i>FP10-450 Dürselen L. (Germany), Bauer Jasmin, Seitz A., Ignatius Anita, Reichel H., Nelitz M.</i>
11:15 - 11:20	Influence of the tibial slope and the size of the intercondylar notch in the ruptures of anterior cruciate ligament <i>FP10-1445 Sonnery-Cottet B. (France), Cucurulo T., Archbold P., Fayard J., Thierry P., Chambat P.</i>
11:20 - 11:30	Discussion

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SCIENTIFIC PROGRAMME

WEDNESDAY, MAY 2, 2012

ROOM A

	continued	Free papers: Ligament I
11:30 - 11:35		The condition of the medial meniscus influenced in vivo rotational laxity in ACL reconstruction patients <i>FP10-1181 Browne J. (United States), Branch T., Jacobs C.</i>
11:35 - 11:40		Does pre-operative laxity influence anterior cruciate ligament reconstruction outcomes? A quantitative analysis with a navigation system <i>FP10-618 Bonanzinga T. (Italy), Marcheggiani Muccioli G., Lopomo N., Signorelli Cecilia, Zaffagnini S., Marcacci M.</i>
11:40 - 11:45		Effectiveness of single- and double-bundle anterior cruciate ligament reconstructions in controlling tibial rotation under fatigue. A three-dimensional kinematic and kinetic analysis study <i>FP10-785 Hantes M. (Greece), Tsarouhas A., Giakas I., Spiropoulos I., Sideris V., Malizos K.</i>
11:45 - 11:50		Optimising femoral tunnel placement in ACL reconstruction: Effect of a 70-degree arthroscope and portal position <i>FP10-771 Khan T. (United Kingdom), Jackson W., Gill H., Beard D., Rees J., Price A.</i>
11:50 - 12:00		Discussion
12:00 - 14:00		Lunch break, and industry workshops, details see pages 184-193
14:00 - 15:00		ESSKA – AOSSM <i>Chair: Espregueira-Mendes J. (Portugal), D'Jian P. (France), Indelicato P. (United States)</i>
14:00 - 14:05		Introduction <i>SY10-4413 Espregueira-Mendes J. (Portugal)</i>
14:05 - 14:13		AOSSM's Sports Trauma and Overuse Prevention (STOP) program <i>SY10-4418 Indelicato P. (United States)</i>
14:13 - 14:21		Prevention on shoulder injuries in the throwing athlete <i>SY10-4414 Safran M. (United States)</i>
14:21 - 14:29		Prevention programs for ACL injury in handball <i>SY10-4415 Bahr R. (Norway)</i>

ROOM A

continued	ESSKA – AOSSM	
14:29 - 14:37	Prevention of foot and ankle injuries SY10-4416 Amendola N. (United States)	
14:37 - 14:45	From injury to return to activity in ACL lesions SY10-4417 Seil R. (Luxembourg)	
14:45 - 15:00	Discussion	
15:00 - 15:30	ESSKA – APKASS Chair: Denti M. (Italy), Madry H. (Germany), Chan KM (Hong Kong), Ochi M. (Japan)	
15:00 - 15:04	APKASS – A new global partner SY55-4419 Chan KM (Hong Kong)	
15:04 - 15:11	Distraction arthroplasty in cartilage SY55-4420 Ochi M. (Japan)	
15:11 - 15:18	Graft healing and ligamentization after ACL surgery SY55-4421 Chen CH (Taiwan)	
15:18 - 15:25	Intriguing tendinopathies – The missing gaps in tissue engineering SY55-4422 Chan KM (Hong Kong)	
15:25 - 15:30	Comments from ESSKA SY55-4423 Denti M. (Italy), Madry H. (Germany)	
15:30 - 16:00	Coffee break, visit industrial exhibition	

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SCIENTIFIC PROGRAMME

WEDNESDAY, MAY 2, 2012

ROOM A

16:00 - 17:00 ESSKA – SLARD

Chair: Randelli P. (Italy), van Dijk C. (Netherlands)

16:00 - 16:08 Acromioclavicular lesions in weightlifters – SLARD

SY11-4424 Ernlund L. (Brazil)

16:08 - 16:16 Acromioclavicular lesions in weightlifters – ESSKA

SY11-4425 Ludvigsen T. (Norway)

16:16 - 16:24 First episode of shoulder dislocation in athletes. What we have to do? – SLARD

SY11-4426 Maestu R. (Argentina)

16:24 - 16:32 First episode of shoulder dislocation in athletes. What we have to do? – ESSKA

SY11-4427 Cartucho Pereira A. (Portugal)

16:32 - 16:40 Arthroscopic repair of simultaneous rotator cuff lesions and shoulder dislocation – SLARD

SY11-4428 Larrain M. (Argentina)

16:40 - 16:48 Arthroscopic repair of simultaneous rotator cuff lesions and shoulder dislocation – ESSKA

SY11-4429 Calvo Diaz A. (Spain)

16:48 - 16:51 Conclusions – SLARD

SY11-4430 Slullitel D. (Argentina)

16:51 - 16:54 Conclusions – ESSKA

SY11-4431 Randelli P. (Italy)

16:54 - 17:00 Discussion

17:00 - 18:00 ESSKA – ISAKOS: New frontiers in arthroscopy of the lower limb

Chair: van Dijk C. (Netherlands), Seil R. (Luxembourg)

17:00 - 17:12 Ankle

SY15-4365 van Dijk C. (Netherlands)

17:12 - 17:24 Novelties in ACL healing

SY15-4367 Fu F. (United States)

17:24 - 17:36 Knee meniscus: Advanced meniscal repair

SY15-4366 Seil R. (Luxembourg)

17:36 - 17:48 Hip

SY15-4368 Safran M. (United States)

17:48 - 18:00 Discussion

ROOM B

10:30 - 12:00	Free papers: Meniscus I <i>Chair: Hulet C. (France), Spalding T. (United Kingdom)</i>
10:30 - 10:35	Partial meniscectomy at the medial posterior horn and its effect on tibiofemoral contact mechanics and meniscal hoop strains in human knees <i>FP12-455 Seitz A. (Germany), Lubomierski Anja, Friemert B., Ignatius Anita, Dürselen L.</i>
10:35 - 10:40	Biomechanical considerations in the development of a novel polycarbonate-urethane meniscal implant <i>FP12-549 Linder-Ganz E. (Israel), Elsner J., Condello V., Hershman E., Zorzi C., Guilak F., Shterling A.</i>
10:40 - 10:45	What is the best way to fix a meniscal scaffold? <i>FP12-249 Hardeman F. (Belgium), Corten K., Verdonk P., Verdonk R., Bellemans J.</i>
10:45 - 10:50	Comparison of safety and efficacy using synthetic scaffolds for treatment of medial and lateral painful irreparable partial meniscal defects; 24 months follow-up <i>FP12-623 Beaufls P. (France), Bellemans J., Djian P., Laprell H., Verdonk R.</i>
10:50 - 11:00	Discussion
11:00 - 11:05	Position of the bony bridge of the lateral meniscal transplants can affect meniscal extrusion <i>FP12-41 Choi N. (South Korea (ROK)), Jung Y.</i>
11:05 - 11:10	Functional and radiological comparative study between only-suture technique and bony-fixation technique in meniscal allograft transplantation. Mid term follow-up <i>FP12-957 Abat F. (Spain), Gonzalez-Lucena Gemma, Gelber P., Erquicia J., Tey M., Monllau J.</i>
11:10 - 11:15	Meniscal regeneration by a new polyurethane scaffold. A 2-year minimum follow-up study <i>FP12-666 Marcheggiani Muccioli G. (Italy), Zaffagnini S., Kon Elizaveta, Filardo G., Busacca M., Marcacci M.</i>
11:15 - 11:20	Polyurethane scaffold for the treatment of painful partial medial and lateral meniscus tissue loss: A single center experience with focus on progress of repair <i>FP12-1370 Willemot L. (Belgium), Beekman P., Verdonk R., Verdonk P.</i>
11:20 - 11:30	Discussion

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SCIENTIFIC PROGRAMME

WEDNESDAY, MAY 2, 2012

ROOM B

	continued	Free papers: Meniscus I
11:30 - 11:35	FP12-879	The effect of medial meniscal horn injury on rotational stability of knee using a porcine model <i>Smolinski P. (United States), Chen L., Hwang S., Kramer S., Linde-Rosen Monica, Fu F.</i>
11:35 - 11:40	FP12-1122	One-year results of the COAST study: A European evaluation of an internal absorber system as an early unloading therapy for patients with medial knee Osteoarthritis (OA) <i>Almqvist K. (Belgium), Verdonk R., Waller C., London N., Williams R., Wilton T.</i>
11:40 - 11:45	FP12-231	Host serum is not indispensable in collagen performance in viable meniscal transplantation at 4 weeks incubation <i>Torres-Claramunt R. (Spain), Gelber P., Abat F., Tey M., Pelfort X., Monllau J.</i>
11:45 - 11:50	FP12-1348	"Sign 4": A new meniscal test for detection of medial meniscal tears <i>Iñiguez Magaly (Chile), Vega R., Anastasiadis Zoy, Hallin Karin, Cerda J., Engström B.</i>
11:50 - 12:00		Discussion
12:00 - 14:00		Lunch break, and industry workshops, details see pages 184-193
14:00 - 15:30		New horizons in PCL <i>Chair: Benedetto K. (Austria), Verdonk P. (Belgium)</i>
14:00 - 14:10	SY35-4158	Monkey survey on isolated PCL <i>Verdonk P. (Belgium)</i>
14:10 - 14:20	SY35-4159	Knee symptoms in isolated PCL-scheduled for surgery <i>Årøen A. (Norway)</i>
14:20 - 14:30	SY35-4160	New imaging <i>Verdonk P. (Belgium)</i>
14:30 - 15:00	SY35-4161	Staging of PCL surgery-Interactive case presentations with the audience <i>Benedetto K. (Austria)</i>

ROOM B

	continued	New horizons in PCL	
	15:00 - 15:10	How to improve treatment in PCL surgery <i>SY35-4162 Menetrey J. (Switzerland)</i>	
	15:10 - 15:30	Discussion	
	15:30 - 16:00	Coffee break, visit industrial exhibition	
	16:00 - 17:00	Free papers: Cartilage I <i>Chair: Peretti G. (Italy), Brittberg M. (Sweden)</i>	
	16:00 - 16:05	Treatment of osteochondritis dissecans of the knee with arthroscopic bone marrow-derived cells transplantation ("one step technique"): results and T2 mapping evaluation <i>FP16-219 Buda R. (Italy), Vannini Francesca, Battaglia Milva, Cavallo M., Pagliuzzi G., Giannini S.</i>	
	16:05 - 16:10	Osteochondral transplantation using autografts from the upper tibiofibular joint for treatment of knee cartilage lesions: Long-term results <i>FP16-961 Pereira H. (Portugal), Vieira da Silva M., Monteiro A., Oliveira J., Reis R., Espregueira-Mendes J.</i>	
	16:10 - 16:15	Arthroscopic matrix-induced autologous chondrocyte implantation: 2 year clinical and radiological outcomes <i>FP16-280 Ebert J. (Australia), Fallon M., Ackland T., Wood D., Janes G.</i>	
	16:15 - 16:20	A single stage procedure for cell-based cartilage repair: Final results (36 months follow up) from an EU Pilot Study <i>FP16-536 Nehrer S. (Austria), Almqvist K., Brittberg M., Spalding T., Imhoff A., Bothos J.</i>	
	16:20 - 16:30	Discussion	
	16:30 - 16:35	Osteochondral defect repair in rabbits using osteochondral biphasic composite constructs with human bone marrow-derived mesenchymal stem cells <i>FP16-742 Jang K. (South Korea (ROK)), Wang J.</i>	

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SCIENTIFIC PROGRAMME

WEDNESDAY, MAY 2, 2012

ROOM B

	continued	Free papers: Cartilage I
16:35 - 16:40	FP16-1260	Direct overexpression of human insulin-like growth factor I in human normal and osteoarthritic articular cartilage via recombinant adeno-associated virus-mediated gene transfer stimulates both chondrocyte proliferation and matrix synthesis <i>Cucchiariini Madry Magali (Germany), Kohn D., Madry H.</i>
16:40 - 16:45	FP16-886	Minced umbilical cord fragments as a source of cell for orthopaedic tissue engineering. An in vitro study <i>Marmotti A. (Italy), Bruzzone M., Bonasia D., Castoldi F., Rossi R., Peretti G.</i>
16:45 - 16:50	FP16-13	The chondrotoxic and inflammatory effect of local anesthetics on synoviocytes: An indirect pathway of chondrolysis? <i>Braun Hillary (United States), Busfield B., Kim Hyeon Joo, Scuderi G., Drago J.</i>
16:50 - 17:00		Discussion
17:00 - 18:00		Cartilage Committee: The ACL – Injured Knee with a Focal Cartilage Defect – Risk Factors Prognosis and Treatment <i>Chair: Kon Elizaveta (Italy), Årøen A. (Norway)</i>
17:00 - 17:10	SY18-4254	Incidence and risk factors for cartilage lesions in ACL-injured knees <i>Røtterud J. (Norway)</i>
17:10 - 17:20	SY18-4255	Natural history and prognosis of cartilage lesions associated with ACL injury <i>Widuchowski W. (Poland)</i>
17:20 - 17:30	SY18-4256	When and how to treat the cartilage defect in the ACL injured knee <i>LaPrade R. (United States)</i>
17:30 - 17:40	SY18-4257	Rehabilitation of the ACL injured knee with cartilage defect and when to return to sports <i>Risberg May Arna (Norway)</i>
17:40 - 17:50	SY18-4258	Future options <i>Nakamura N. (Japan)</i>
17:50 - 18:00		Discussion
18:00 - 18:30		Poster Happy Hour I <i>in Hall 1</i>

ROOM C

10:30 - 12:00	Free papers: EKA – Total joint I <i>Chair: Baldini A. (Italy), Thomas N. (United Kingdom)</i>
10:30 - 10:35	How does malrotation and material of the femoral component in TKA influence patellofemoral contact mechanics and wear during gait? <i>FP13-261 Luyckx J. (Belgium), Verlinden C., Vanbiervliet J., Labey L., Vandenuecker Hilde, Bellemans J.</i>
10:35 - 10:40	5 year follow up of 200 patients with Total Knee Arthroplasty (TKA): 100 conventional non-navigated TKA versus 100 navigated TKA <i>FP13-139 Cip J. (Austria), Widemschek M., Mayr E., Benesch T., von Stempel A., Martin A.</i>
10:40 - 10:45	Measurement of the knee flexion angle with a Smartphone-application is precise and accurate <i>FP13-145 Schoenahl J. (France), Jenny J.</i>
10:45 - 10:50	Leg-extension power or knee-extension strength after total knee arthroplasty: which is better related to performance-based and self-reported knee function? <i>FP13-664 Bandholm T. (Denmark), Aalund P., Larsen K., Hansen T.</i>
10:50 - 11:00	Discussion
11:00 - 11:05	A simple radiographic method to predict femoral component rotation in gap balancing total knee arthroplasty <i>FP13-874 von Knoch F. (Switzerland), Ilmer C., Harder L., Naal F., von Knoch M., Preiss S.</i>
11:05 - 11:10	Functional performance and patient-reported knee function one year after total knee arthroplasty <i>FP13-1228 Logerstedt D. (United States), Zeni J., Snyder-Mackler Lynn</i>
11:10 - 11:15	The effect of total knee replacement on the envelope of laxity of the knee <i>FP13-767 Ghosh K. (United Kingdom), Alasdair B., Longstaff L., Rushton S., Deehan D.</i>
11:15 - 11:20	Retention versus sacrifice of the posterior cruciate ligament in total knee arthroplasty: a systematic review and meta-analysis <i>FP13-1076 Verra W. (Netherlands), van den Boom L., Jacobs W., Wymenga A., Nelissen R.</i>
11:20 - 11:30	Discussion

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SCIENTIFIC PROGRAMME

WEDNESDAY, MAY 2, 2012

ROOM C

	continued	Free papers: EKA – Total joint I
11:30 - 11:35	FP13-704	Rotational alignment of the tibial component in TKA after using the “self alignment technique”: a CT-scan study <i>Berhouet J. (France), Beaufils P.</i>
11:35 - 11:40	FP13-621	Intra-operative assessment of patello-femoral joint kinematics in total knee replacement and its correlation with femoral component position <i>Belvedere C. (Italy), Ensini A., Moctezuma J., Feliciangeli A., Giannini S., Leardini A.</i>
11:40 - 11:45	FP13-1424	Temporo-spatial gait characteristics in the context of 3 different knee replacement procedures: TKA vs. MIS-TKA vs. mUKA <i>Liebensteiner M. (Austria), Krismer M., Sekyra Kathrin, Auckenthaler T., Fischler S., Mayr E.</i>
11:45 - 11:50	FP13-203	The gap technique does not rotate the femur parallel to the epicondylar axis <i>Pfützner T. (Germany), Matziolis G., Boenicke H., Pfiel S., Perka C.</i>
11:50 - 12:00		Discussion
12:00 - 14:00		Lunch break, and industry workshops, details see pages 184-193
14:00 - 15:30		EKA – Unicompartmental resurfacing, bi, tri compartmental resurfacing <i>Chair: Murray D. (United Kingdom), Deschamps G. (France)</i>
14:00 - 14:12	SY13-4128	UCA in middle aged patients: Long term follow-up results and survival <i>Peersman G. (Belgium)</i>
14:12 - 14:24	SY13-4129	Arguments to decide for resurfacing versus cutting design in UKA <i>Deschamps G. (France)</i>
14:24 - 14:36	SY13-4130	Cementless uni <i>Murray D. (United Kingdom)</i>

ROOM C

	continued	EKA – Unicompartmental resurfacing, bi, tri compartmental resurfacing	
	14:36 - 14:48	Uni & patellofemoral replacement SY13-4132 Thienpont E. (Belgium)	
	14:48 - 15:00	Uni & patellofemoral replacement SY13-4133 Benazzo F. (Italy)	
	15:00 - 15:12	Tissue Sparing Surgery and Computer Assistance in Knee Reconstruction: Bi-Ukr vs TKR SY13-4134 Confalonieri N. (Italy)	
	15:12 - 15:30	Discussion	
	15:30 - 16:00	Coffee break, visit industrial exhibition	
	16:00 - 17:00	EKA – Knee Arthroplasty and Sports Chair: Salreta J. (Portugal), Bonnin M. (France)	
	16:00 - 16:10	Motivations and expectations before resuming sporting activities SY16-4283 Dahm Diane (United States)	
	16:10 - 16:20	In vivo knee forces during sporting practice SY16-4284 D'Lima D. (United States)	
	16:20 - 16:30	UKS and sports – Activity levels, type of sports and ACL/UKR results in sportsmen SY16-4285 Dodd C. (United Kingdom)	
	16:30 - 16:40	High performance designs with rotating platform SY16-4286 Mayr H. (Germany)	
	16:40 - 16:50	The effect of sports on TKA survivorship SY16-4287 Argenson J. (France)	
	16:50 - 17:00	Discussion	

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SCIENTIFIC PROGRAMME

WEDNESDAY, MAY 2, 2012

ROOM C

17:00 - 18:00 EKA – Patient matched cutting blocks

Chair: Thienpont E. (Belgium), Porteous A. (United Kingdom)

17:00 - 17:10 Past, present and future of patient specific instruments

SY20-4053 *Hafez M. (Egypt)*

17:10 - 17:20 Patient matched cutting blocks vs navigated kinematic evaluation: custom jigs or navigation to optimize implant positioning

SY20-4054 *Marcacci M. (Italy)*

17:20 - 17:30 The place of gait analysis in the planning of patient specific instruments

SY20-4055 *Argenson J. (France), Parratte S. (France)*

17:30 - 17:40 Patient matched unicompartmental and total knee arthroplasty

SY20-4057 *Fitz W. (United States)*

17:40 - 17:50 PSI works – but be watchful!

SY20-5042 *Howell S. (United States)*

17:50 - 18:00 Discussion

18:00 - 18:30 Poster Happy Hour I

in Hall 1

10:30 - 12:00 Free papers: Shoulder I	
<i>Chair: Korolev A. (Russian Federation), Toussaint B. (France)</i>	
10:30 - 10:35	Changes in cerebral perfusion during shoulder arthroscopic surgery at beach chair position: Do we need to monitor cerebral perfusion? <i>FP11-1410 Kocaoglu B. (Turkey), Akgun U., Fevzi T., Karahan M., Guven O.</i>
10:35 - 10:40	The healing response after rotator cuff lesion: variations in growth factor expression during the first three weeks. An experimental study in rats <i>FP11-170 Diaz Heredia J. (Spain), Ruiz-Iban M., Gomez Santos Helena</i>
10:40 - 10:45	Partial thickness rotator cuff tears: Which surgical management? <i>FP11-1098 Franceschi F. (Italy), Papalia R., Vasta S., Palumbo A., Maffulli N., Denaro V.</i>
10:45 - 10:50	The influence of acromion index size on outcomes following arthroscopic repair of full thickness rotator cuff tears <i>FP11-183 Van der Meijden O. (United States), Ames J., Horan Marilee, Leake Melissa, Millett P.</i>
10:50 - 11:00 Discussion	
11:00 - 11:05	A pain independent diagnosis to LHB pathology <i>FP11-407 Randelli P. (Italy), Ragone Vincenza, Terranegra P., Arrigoni P., Cabitza P.</i>
11:05 - 11:10	The influence of SLAP refixation with and without LHB tenotomy on glenohumeral stability as a treatment of SLAP lesions with analyzing the effect of LHB on shoulder stability <i>FP11-779 Patzer T. (Germany), Habermeyer P., Bobrowitsch E., Hurschler C., Schofer M.</i>
11:10 - 11:15	Dynamic study of supraspinatus in throwing position using MRI 3D vectorial <i>FP11-1133 Abrassart Sophie (Switzerland), Hoffmeyer P., Barea C.</i>
11:15 - 11:20	Validity of arthroscopic measurement of glenoid bone loss using the bare spot <i>FP11-395 Miyatake K. (Japan), Takeda Y., Fujii K.</i>
11:20 - 11:30 Discussion	

SCIENTIFIC PROGRAMME

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	continued	Free papers: Shoulder I
11:30 - 11:35	Intra-operative findings and patient re-tear following arthroscopic rotator cuff repair-age may be the most important factor <i>FP11-1102</i>	<i>Haber M. (Australia)</i>
11:35 - 11:40	Stability of double row rotator cuff repair is not adversely affected by scaffold interposition between tendon and bone <i>FP11-958</i>	<i>Beitzel K. (Germany), Apostolakis J., McCarthy Mary Beth, Imhoff A., Arciero R., Mazzocca A.</i>
11:40 - 11:45	Is fibromyalgia a cause of failure in the treatment of a painful shoulder? <i>FP11-678</i>	<i>Blonna D. (Italy), Tellini Alessandra, Bellato E., Bonasia D., Rossi R., Castoldi F.</i>
11:45 - 11:50	Impact of rotator cuff healing following repair on final treatment outcome <i>FP11-877</i>	<i>Lubiatowski P. (Poland), Kaczmarek P., Dziaach M., Ogrodowicz P., Dlugosz J., Romanowski L.</i>
11:50 - 12:00	Discussion	
12:00 - 14:00	Lunch break, and industry workshops, details see pages 184-193	

14:00 - 15:30	Arthroscopy Committee: The ACL laxity evaluation: How to make a difference between partial and total? <i>Chair: Dejour D. (France), Musahl V. (United States)</i>
14:00 - 14:10	Introduction – Overview of the different methods of ACL laxity evaluation, clinical-instrumented-radiological <i>SY12-4274 Musahl V. (United States), Dejour D. (France)</i>
14:10 - 14:20	What can we measure from the standard X-ray to the dynamic MRI <i>SY12-4275 Dejour D. (France)</i>
14:20 - 14:30	Static rotational knee laxity evaluations <i>SY12-4276 Mouton Caroline (Luxembourg), Theisen D., Pape D., Seil R.</i>
14:30 - 14:40	Is navigation a useful instrument in laxity evaluation <i>SY12-4277 Höher J. (Germany)</i>
14:40 - 14:50	What is an accelerometer? How this could be useful in ACL deficient knee <i>SY12-4278 Lopomo N. (Italy)</i>
14:50 - 15:00	Antero-posterior laxity the difference in terms of elongation between complete and partial tears with the GNRB <i>SY12-4279 Robert H. (France)</i>
15:00 - 15:10	How to make a difference in terms of laxity between different techniques in ACL reconstruction? <i>SY12-4280 Musahl V. (United States)</i>
15:10 - 15:30	Conclusions and questions <i>SY12-4282 Dejour D. (France), Musahl V. (United States)</i>
15:30 - 16:00	Coffee break, visit industrial exhibition

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16:00 - 17:00	Free papers: Ligament II <i>Chair: Koch P. (Switzerland), Smigielski R. (Poland)</i>
16:00 - 16:05	Validity and reliability of the S.P.O.R.T.S score <i>FP15-672 Blonna D. (Italy), Tellini Alessandra, Bonasia D., Rossi R., Bruzzone M., Castoldi F.</i>
16:05 - 16:10	Longitudinal prognosis of ACL reconstruction utilizing SF-36: a multicenter cohort study <i>FP15-717 Dunn W. (United States), Wolf B., Spindler K.</i>
16:10 - 16:15	Professional consensus regarding success after ACL injury does not correspond to published literature <i>FP15-1255 Lynch A. (United States), Logerstedt D., Grindem Hege, Eitzen Ingrid, Risberg May Arna, Snyder-Mackler Lynn</i>
16:15 - 16:20	Clinical and radiological outcomes of a single-bundle reconstruction, a remnant preserving augmentation and a double-bundle reconstruction in the anterior cruciate ligament reconstruction <i>FP15-362 Lee S. (South Korea (ROK)), Yoon K., Jung K.</i>
16:20 - 16:30	Discussion
16:30 - 16:35	Long term follow-up of patellar tendon grafts or hamstring tendon grafts in endoscopic ACL reconstructions. A prospective randomized multi-center study <i>FP15-561 Gifstad Tone (Norway), Sole Anita, Strand T., Uppheim G., Grøntvedt T., Drogset J.</i>
16:35 - 16:40	Single V/S double bundle ACL reconstruction: Functional outcome at 3 years in athletes <i>FP15-1003 Gobbi A. (Italy), Kumar A., Karnatzikos G.</i>
16:40 - 16:45	Anatomic single-bundle (S.B) versus double-bundle (D.B) ACL reconstruction. A prospective, randomized study <i>FP15-960 Alevrogiannis S. (Greece), Skarpas G.</i>
16:45 - 16:50	Implant-free replacement of the anterior cruciate ligament – quadriceps tendon versus patellar tendon – long-term results of a prospective randomized clinical study <i>FP15-1091 Barié A. (Germany), Huber J., Streich N.</i>
16:50 - 17:00	Discussion



17:00 - 18:00	ESSKA – SFA: Sub-Scapularis tears: A 2012 update <i>Chair: Hulet C. (France), Thomazeau H. (France)</i>
17:00 - 17:08	A new classification SY31-4163 <i>Toussaint B. (France)</i>
17:08 - 17:16	Radiology and tear diagnosis SY31-4164 <i>Audebert S. (France)</i>
17:16 - 17:24	Early results of french multicenter study SY31-4165 <i>Lefebvre Y. (France)</i>
17:24 - 17:32	The Balgrist experience SY31-4166 <i>Jost B. (Switzerland)</i>
17:32 - 17:40	The British experience SY31-4167 <i>Monga P. (United Kingdom)</i>
17:40 - 17:48	The Polish experience SY31-4168 <i>Brzoska R. (Poland)</i>
17:48 - 18:00	Conclusions SY31-4169 <i>Toussaint B. (France)</i>
18:00 - 18:30	Poster Happy Hour I <i>in Hall 1</i>

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WEDNESDAY, MAY 2, 2012

ROOM K

10:30 - 10:35 PT Course – Opening

*Chair: Risberg May Arna (Norway), Werner Suzanne (Sweden),
Gard Suzanne (Switzerland), Bizzini M. (Switzerland), Della Villa S. (Italy)*

10:35 - 12:00 PT Shoulder Symposium – Shoulder dysfunctions – biomechanical and clinical tools and evidence based rehabilitation programs

Chair: Gard Suzanne (Switzerland), Ziltener J. (Switzerland)

10:35 - 10:55 Assessing, recording and communicating scapular movements: The CISMA Scapulothoracic Assessment System

PT10-4115 Smith M. (United Kingdom)

10:55 - 11:15 Latest updates on shoulder impingement and rehabilitation

PT10-4116 Maenhout Annelies (Belgium)

11:15 - 11:30 Rehabilitation of overhead athletes with shoulder dysfunctions

PT10-4117 Cools Ann M. (Belgium)

11:30 - 11:45 Treatment of stiff shoulder with an exclusive self rehabilitation protocol-A prospective study of 92 cases with 4 years follow up

PT10-4118 Gleyze P. (France)

11:45 - 12:00 Discussion

12:00 - 14:00 Lunch break, and industry workshops, details see pages 184-193

14:00 - 15:30 PT Knee Symposium – Osteoarthritis and Total Knee Arthroplasty Lower limb biomechanics and evidence based rehabilitation program

Chair: Risberg May Arna (Norway), Roos Ewa (Denmark)

14:00 - 14:20 Lower limb biomechanics significant for rehabilitation in patients with knee osteoarthritis

PT11-4119 Bennell Kim (Australia)

14:20 - 14:30 Exercise type and dose for patients with knee osteoarthritis

PT11-4120 Juhl C. (Denmark)

14:30 - 14:45 Outcome in patients with TKA compared to age matched controls

PT11-4121 Snyder-Mackler Lynn (United States)

ROOM K

	continued	PT Knee Symposium – Osteoarthritis and Total Knee Arthroplasty Lower limb biomechanics and evidence based rehabilitation program
14:45 - 15:00	<i>PT11-4122</i>	Evidence based exercise therapy for patients with TKA <i>Briem Kristin (Iceland)</i>
15:00 - 15:15	<i>PT11-4123</i>	Neural mechanisms underlying quadriceps weakness in patients with TKA <i>Maffiuletti N. (Switzerland)</i>
15:15 - 15:30		Discussion
15:30 - 16:00		Coffee break, visit industrial exhibition
16:00 - 18:00		PT ACL Symposium – Non-operative and operative treatment of patients with ACL injury <i>Chair: Werner Suzanne (Sweden), Irrgang J. (United States)</i>
16:00 - 16:20	<i>PT14-4305</i>	Rehabilitation program for non-operatively treated individuals with ACL injury – Evidence for non-operative rehabilitation and for whom? <i>Eitzen Ingrid (Norway)</i>
16:20 - 16:40	<i>PT14-4306</i>	Latest evidence on the effect of rehabilitation programs after ACL reconstruction <i>Snyder-Mackler Lynn (United States)</i>
16:40 - 16:55	<i>PT14-4307</i>	Core stability – Significant for ACL rehabilitation <i>Snyder-Mackler Lynn (United States)</i>
16:55 - 17:15	<i>PT14-4308</i>	Return to sport in non-operative or operative treated individuals – criteria and risk factors <i>Thomeé R. (Sweden), Eitzen Ingrid (Norway)</i>
17:15 - 17:30	<i>PT14-4309</i>	Sport specific rehabilitation for football players – on field rehabilitation <i>Danelon F. (Italy)</i>
17:30 - 18:00		Discussion
18:00 - 18:30		Poster Happy Hour I <i>in Hall 1</i>

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WEDNESDAY, MAY 2, 2012

ROOM E

10:30 - 12:00	Free papers: Leg, Foot & Ankle, Tendon <i>Chair: Cerulli G. (Italy), Longo U. (Italy)</i>
10:30 - 10:35	One step repair in talar osteochondral lesions: 4 years results and T2-mapping capability in outcome prediction <i>FP14-217 Vannini Francesca (Italy), Buda R., Battaglia Milva, Cavallo M., Ramponi Laura, Giannini S.</i>
10:35 - 10:40	Reconstruction of osteochondral lesions of the talus with autologous spongiosa graft and Autologous Matrix Induced Chondrogenesis <i>FP14-351 Wiewiorski M. (Switzerland), Miska M., Valderrabano V.</i>
10:40 - 10:45	First results of treatment of the upper ankle joint with an endoprosthesis system <i>FP14-933 Fechner A. (Germany), Meyer O., Godolias G.</i>
10:45 - 10:50	Autologous osteochondral transplantation of the talus partially restores contact mechanics of the ankle joint <i>FP14-14 Fansa A. (United States), Murawski C., Imhauser C., Nguyen J., Kennedy J.</i>
10:50 - 11:00	Discussion
11:00 - 11:05	Arthroscopic Mesenchymal Stem Cells Reconstructions Of Bone and Joints Defects in large ankle defects-Preliminary Report <i>FP14-1002 Hermanowicz K. (Poland), Jancewicz P., Kuzma K., Malinowski K.</i>
11:05 - 11:10	Acute Achilles tendon rupture. The surgical question revisited. A narrative literature review. <i>FP14-192 Kaplan Y. (Israel)</i>
11:10 - 11:15	Gait disability in patients after total ankle, knee and hip arthroplasty: a 6-month postoperative cross-sectional study <i>FP14-344 Casartelli Nicola (Switzerland), Item Julia, Bizzini M., Maffiuletti N.</i>
11:15 - 11:20	Diagnosis and treatment for tenosynovitis of the flexor hallucis longus tendon: Application of hindfoot endoscopy <i>FP14-1101 Innami K. (Japan), Takao M., Komatsu F., Miyamoto W., Matsushita T.</i>
11:20 - 11:30	Discussion
11:30 - 11:35	Operative versus non-operative management of acute Achilles tendon ruptures: A quantitative systematic review of randomized controlled trials <i>FP14-56 Bisson L. (United States), Wilkins R.</i>

ROOM E

	continued	Free papers: Leg, Foot & Ankle, Tendon	
	11:35 - 11:40	Anteromedial impingement in the ankle joint outcomes following arthroscopy in the first one hundred cases <i>FP14-15</i> Murawski C. (United States), Kennedy J.	
	11:40 - 11:45	Use of the Lysholm score to document function in patients with foot and ankle injuries <i>FP14-1339</i> Matheny Lauren (United States), Briggs Karen, Clanton T.	
	11:45 - 11:50	The inflammatory effect of leukocyte-rich versus leukocyte-poor platelet-rich plasma <i>FP14-119</i> Dragoo J. (United States), Braun Hillary, Durham Jennah, Ridley Bethany, Odegard J., Arnoczky S.	
	11:50 - 12:00	Discussion	
	12:00 - 14:00	Lunch break, and industry workshops, details see pages 184-193	
	14:00 - 15:30	ESSKA – AFAS: Acute ankle instability in the athlete's ankle <i>Chair: Kerkhoffs G. (Netherlands), Karlsson J. (Sweden)</i>	
	14:00 - 14:15	Acute lateral ankle injury in the athlete, best evidence on diagnosis <i>SY14-4064</i> Kerkhoffs G. (Netherlands)	
	14:15 - 14:30	Acute lateral ankle ligament injury in the athlete, functional treatment: what else! <i>SY14-4065</i> Karlsson J. (Sweden)	
	14:30 - 14:45	Surgical treatment for acute lateral ankle ligament injury in the athlete <i>SY14-4066</i> van Dijk C. (Netherlands)	
	14:45 - 15:00	Bone bruises associated with acute ankle ligament injury: Do these need treatment? <i>SY14-4067</i> Longo U. (Italy)	
	15:00 - 15:15	Isolated syndesmotic injury in the athlete <i>SY14-4068</i> Calder J. (United Kingdom)	
	15:15 - 15:30	Discussion	
	15:30 - 16:00	Coffee break, visit industrial exhibition	

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ROOM E

16:00 - 17:00 ESSKA – AFAS: Stress fractures of foot and ankle in the athlete

Chair: Kerkhoffs G. (Netherlands), Calder J. (United Kingdom)

16:00 - 16:12 MT-V stress fractures; conservative or surgical treatment?

SY17-4074 Kerkhoffs G. (Netherlands)

16:12 - 16:24 Navicular stress fractures in the athlete: How to diagnose and treat!

SY17-4075 Amendola N. (United States)

16:24 - 16:36 The use of PRP in treatment of stress fractures of foot and ankle in the athlete

SY17-4076 van Eekeren Inge (Netherlands)

16:36 - 16:48 Malleolar stress fractures: what do we know?

SY17-4073 van Dijk C. (Netherlands)

16:48 - 17:00 Discussion

17:00 - 18:00 ESSKA – AFAS: Talar OCD: Secondary defects difficult to treat?

Chair: Kerkhoffs G. (Netherlands), Smigielski R. (Poland)

17:00 - 17:12 Allografts best salvage for secondary talar OCD?

SY21-4071 Pena F. (United States)

17:12 - 17:24 The role of alignment in treatment of talar OCD

SY21-4069 Amendola N. (United States)

17:24 - 17:36 PRP, bifosfanates, PEMF and other stimulants in treatment of talar OCD

SY21-4070 Vannini Francesca (Italy)

17:36 - 17:48 HemiCap covers the problem of secondary talar OCD!

SY21-4072 van Dijk C. (Netherlands)

17:48 - 18:00 Discussion

18:00 - 18:30 Poster Happy Hour I

in Hall 1

18:30 - 19:30 Welcome Reception

in Hall 1 & Congress Centre entrance foyer

SURGICAL SITE INFECTION IN TOTAL HIP & KNEE ARTHROPLASTY

Wednesday, May 2, 2012

12:30 PM – 1:30 PM

Le Saleve Conference Room

15th ESSKA Congress

PALEXPO | Geneva, Switzerland

Please join us in Geneva for the ESSKA symposium, Surgical Site Infection in Total Hip & Knee Arthroplasty.

Dr. Jean-Noël Argenson will moderate an expert panel of orthopaedic surgeons discussing the following topics:

- Changing Incidence of Arthroplasty and the Burden of Infection
- Risk Mitigation of Infection in Total Joint Arthroplasty
- Recent Advances in Post-operative Wound Management

CHAIRPERSON

Jean-Noël Argenson, MD
Marseille, France

FACULTY

Philippe Neyret, MD, PhD
Lyon, France

Bryan Springer, MD
Charlotte, NC USA

Emmanuel Thienpont, MD
Brussels, Belgium



ConvaTec

For more information,
[www. SurgSiteInfection.com](http://www.SurgSiteInfection.com)



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THURSDAY, MAY 3, 2012

Time	Room A	Room B	Room C	Le Jura
7.30	ICL 06: PCL study group: Basic concept in PCL evaluation (imaging, clinical evaluation)		ICL 04: EKA: TKA the basics – Surgical technique to get your TKA right	ICL 02: ULS: Management of rotator cuff calcific tendinopathy
8.00				
8.30				
8.45				
8.55				
9.00	Presidential lecture by Niek van Dijk			
9.10				
9.20	Social lecture by Guillaume Courtine			
9.30	Ejnar Eriksson Lecture by John Feagin			
9.45				
10.00	Coffee break		Visit industrial exhibition	Coffee break
10.15				
10.30	Star papers			
10.45				
11.00				
11.15				
11.30	Free papers: Ligament III	Free papers: Shoulder II	Free papers: Degenerative	Free papers: Patello-femoral I
11.45				
12.00				
12.30	Lunch Workshops		Lunch Workshops	
12.45				
13.00				
13.30	Lunch Break		Lunch Break	
13.45				
14.00	Arthroscopy Committee: Patella dislocation: Soft tissue and bony procedures	Failed instability repair: Analysis of prognostic factors	EKA – Kinematics of the natural knee and targets for the replaced knee	Knee injuries in children
14.15				
14.30				
14.45				
15.00				
15.10				
15.20				
15.25				
15.30				
15.45	Coffee break		Visit industrial exhibition	Coffee break
16.00	Maxi Battle: Roos vs. Engebretsen	Biology and rotator cuff repair: A new approach	EKA – Patellofemoral joint in TKA	Basic science committee: Knee joint assessment methods
16.15				
16.45	Battle: Two steps vs one step in cartilage repair			
16.55				
17.00	ESSKA – Scandinavian Sports Society	Interactive upper limb cases	EKA – Revision TKA: How to deal with infection: Prevention and treatment	Preservation of ACL remnants (biomechanics, proprioception, vascularization)
17.15				
17.30				
17.45				
18.00				
18.15	Poster Happy Hour II		(in Hall 1)	Poster Happy Hour II
18.30				
18.45				
19.00				

Break	Battle	Instructional Course Lecture
Free paper	Awards	Posters
Symposium	Nurse Course	Orthopaedic Review Course
Highlight Lecture	Key Note Lecture	

Room K	Room E	Le Salève	Room L	Time	
ICL 05: ESSKA – AFAS: Posterior ankle impingement: What's the limit?	ICL 01: Arthroscopy committee: Video surgical technique	ICL 03: ULS: Personality of cuff tears and biceps pathology, global visions evaluation and treatment options		7.30	
				8.00	
				8.30	
				8.45	
				8.55	
				9.00	
				9.10	
				9.20	
				9.30	
				9.45	
Coffee break		Visit industrial exhibition	Coffee break	10.00	
				10.15	
				10.30	
				10.45	
				11.00	
				11.15	
Free papers: Return to play	Free papers: Ligament IV	Free Papers: Cartilage IV	Free papers: Basic science	11.30	
				11.45	
				12.00	
Lunch Workshops				12.30	
Lunch Workshops				12.45	
				13.00	
Lunch Break		Lunch Break		13.30	
				13.45	
PT Symposium Cartilage: Latest evidence on exercise therapy for patients with cartilage lesions	ESSKA – Dutch/Belgium: The tendon of the long head of the biceps: Update on pathology and management			14.00	
				14.15	
				14.30	
	ESSKA – SIGASCOT – Current options for treatment of tendinopathy			14.45	
				15.00	
				15.10	
				15.25	
				15.27	
Coffee break		Visit industrial exhibition	Coffee break	15.30	
				15.45	
PT Symposium: Hamstring injuries – diagnostic criteria and rehabilitation	PRP in orthopaedic sports medicine			16.00	
				16.15	
				16.45	
				16.55	
Free papers: Pelvis/groin	National Award Winners			17.00	
				17.15	
				17.30	
				17.45	
				18.00	
Poster Happy Hour II		(in Hall 1)	Poster Happy Hour II	18.15	
				18.30	
				18.45	
				19.00	

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THURSDAY, MAY 3, 2012

ROOM A+B

07:30 - 08:55 ICL 06: PCL study group: Basic concept in PCL evaluation (imaging, clinical evaluation)

Chair: Verdonk P. (Belgium), Benedetto K. (Austria)

07:30 - 07:42 Anatomy plus biomechanics

ICL15-4152 Mora G. (Spain)

07:42 - 07:54 Clinical examination

ICL15-4153 Menetrey J. (Switzerland)

07:54 - 08:06 Imaging plus complementary investigation

ICL15-4154 Scheffler S. (Germany)

08:06 - 08:18 Treatment of acute PCL injury

ICL15-4155 Dijan P. (France)

08:18 - 08:30 Treatment of chronic PCL instability

ICL15-4156 Margheritini F. (Italy)

08:30 - 08:42 Rehabilitation plus follow-up

ICL15-4157 Årøen A. (Norway)

08:42 - 08:55 Discussion

09:00 - 09:20 Presidential lecture

On Goals, Roads and Keeping Fit!

IL13-4375 van Dijk C. (Netherlands)

09:20 - 09:40 Social lecture

Chair: Fritschy D. (Switzerland)

Social lecture

IL14-4407 Courtine G. (Switzerland)

09:40 - 10:00 Ejnar Eriksson Lecture

Chair: Müller W. (Switzerland)

Ejnar's Vision: The ESSKA – AOSSM Legacy

IL15-4016 Feagin J. (United States)

**10:00 - 10:30 Coffee break,
visit industrial exhibition**

ROOM A

10:30 - 11:30	Star papers – competing for the Theo-van-Rens-Award <i>Chair: Menetrey J. (Switzerland), Zaffagnini S. (Italy)</i>
10:30 - 10:38	Correlation of the involved compartments of massive rotator cuff tear and loss of active shoulder range of motion <i>AW10-382 Collin P. (Switzerland), Lädermann A., Walch G.</i>
10:38 - 10:40	Discussion
10:40 - 10:48	What is the rate of subsequent surgery following ACL reconstruction? Short and mid-term follow-up from the MOON cohort <i>AW10-1263 Dunn W. (United States), Spindler K., Hettrich Carolyn, Reinke Emily</i>
10:48 - 10:50	Discussion
10:50 - 10:58	Increased risk of ACL revision after anteromedial compared to transtibial technique for femoral drillhole placement during ACL reconstruction. Result from the Danish registry of knee ligament reconstruction <i>AW10-516 Wagner Lene (Denmark), Thillemann T., Mehnert F., Pedersen Alma, Lind M.</i>
10:58 - 11:00	Discussion
11:00 - 11:08	Human meniscus segmental characterization: building the basis for tissue engineering <i>AW10-744 Pereira H. (Portugal), Frias Ana M., Silva-Correia J., Oliveira J., Espregueira-Mendes J., Reis R.</i>
11:08 - 11:10	Discussion
11:10 - 11:18	A randomized comparison of traditional and accelerated approaches to post-operative rehabilitation following matrix-induced autologous chondrocyte implantation: 5 year clinical and radiological outcomes <i>AW10-281 Ebert J. (Australia), Fallon M., Ackland T., Zheng M., Wood D.</i>
11:18 - 11:20	Discussion
11:20 - 11:28	Assessment of mortality risk in patients undergoing total knee arthroplasty after percutaneous coronary intervention <i>AW10-700 von Keudell A. (United States), Thornhill T., Katz J., Losina E.</i>
11:28 - 11:30	Discussion

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ROOM A

11:30 - 12:00 Free papers: Ligament III

Chair: Yasuda K. (Japan), Arnold M. (Switzerland)

11:30 - 11:35 Previous partial meniscectomy increases the incidence of chondral lesions at revision ACL reconstruction

FP18-1148 Brophy R. (United States), Wright R., David T., McCormack R., Sekiya J., Svoboda S.

11:35 - 11:40 A prospective study of the factors associated with meniscal tears and chondral lesions in patients undergoing ACL reconstruction

FP18-312 Bisson L. (United States), Marzo J., Kluczynski Melissa, Buyea Cathy

11:40 - 11:45 Osteoarthritis and Quality of life 14 years following ACL reconstruction, A randomized controlled comparison between patellar tendon or semitendinosus tendon graft

FP18-1420 Barenius B. (Sweden), Eriksson K., Shalabi A., Ponzer Sari

11:45 - 11:50 Is the PL bundle of the ACL really so important for the stability of the knee?

FP18-68 Hart R. (Czech Republic), Komzák M., Okál F., Safi A.

11:50 - 12:00 Discussion

12:00 - 14:00 Lunch break,
and industry workshops, details see pages 184-193

14:00 - 15:30 Arthroscopy Committee: Patella dislocation: Soft tissue and bony procedures

Chair: Zaffagnini S. (Italy), Dejour D. (France)

14:00 - 14:10 The role of soft tissues according to bony procedures

SY27-4035 Dejour D. (France)

14:10 - 14:20 Acute MPFL repair

SY27-4036 Doral M. (Turkey)

14:20 - 14:30 How I do MPFL reconstruction

SY27-4037 Ochi M. (Japan)

14:30 - 14:40 How I do MPFL reconstruction

SY27-4038 Fink C. (Austria)

ROOM A

continued	Arthroscopy Committee: Patella dislocation: Soft tissue and bony procedures	
14:40 - 14:50	Trochleoplasty	
SY27-4039	<i>Biedert R. (Switzerland)</i>	
14:50 - 15:00	Distal realignment	
SY27-4040	<i>Servien Elvire (France)</i>	
15:00 - 15:10	MPTL reconstruction longterm results	
SY27-4041	<i>Zaffagnini S. (Italy)</i>	
15:10 - 15:30	Discussion	
15:30 - 16:00	Coffee break, visit industrial exhibition	
16:00 - 16:45	Maxi Battle: Roos vs. Engebretsen	
	<i>Chair: Reider B. (United States), Karlsson J. (Sweden)</i>	
16:00 - 16:15	Maxi Battle: Statement Roos H.	
B10-4371	<i>Roos H. (Sweden)</i>	
16:15 - 16:30	Maxi Battle: Statement Engebretsen L.	
B10-4372	<i>Engebretsen L. (Norway)</i>	
16:30 - 16:45	Discussion	
16:45 - 17:00	Battle: Two steps vs one step in cartilage repair	
	<i>Chair: Kon Elizaveta (Italy)</i>	
16:45 - 16:50	1 step (biomaterials) cartilage repair	
B14-4369	<i>Steinwachs M. (Switzerland)</i>	
16:50 - 16:55	2 steps (cells) cartilage repair	
B14-4370	<i>Van Lauwe J. (Belgium)</i>	
16:55 - 17:00	Discussion	

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ROOM A

17:00 - 18:00 ESSKA – Scandinavian Sports Society

Chair: Engebretsen L. (Norway)

17:00 - 17:10 How can we prevent the injury? Recent studies?

SY33-4376 *Bahr R. (Norway)*

17:10 - 17:18 Can we treat the patient with training?

SY33-4377 *Risberg May Ama (Norway)*

17:18 - 17:28 ACL reconstruction; Single- or Double-Bundle

SY33-4378 *Ahldén M. (Sweden)*

17:28 - 17:38 ACL reconstruction: What is the evidence

SY33-4379 *Samuelsson K. (Sweden)*

17:38 - 17:46 Which scoring system to use?

SY33-4380 *Grindem Hege (Norway)*

17:46 - 17:56 Cartilage imagination with MRI

SY33-4381 *Frobell R. (Sweden)*

17:56 - 18:00 Summary: This is where we stand today

SY33-4382 *Karlsson J. (Sweden), Engebretsen L. (Norway)*

18:00 - 19:00 Poster Happy Hour II

in Hall 1

ROOM B

11:30 - 12:00	Free papers: Shoulder II <i>Chair: Senekovic V. (Slovenia), Kaminen S. (United States)</i>	
11:30 - 11:35	A prospective analysis of 179 SLAP II repairs: Outcomes and factors associated with failure and revision <i>FP19-207 Provencher M. (United States), McCormick F., Dewing C., Solomon D.</i>	Timetables
11:35 - 11:40	Comparison of four imaging techniques to most accurately quantify glenoid bone loss in anterior shoulder instability <i>FP19-463 Jones G. (United States), Bishop Julie, Rerko M., Donaldson C., Moon S.</i>	
11:40 - 11:45	Infraspinatus tenodesis and posterior capsulodesis "Remplissage" to address large bone defects in arthroscopic shoulder instability repair. Three years follow-up <i>FP19-975 Antonogiannakis M. (Greece), Mataragas E., Tsiampa V., Arealis G., Stamatakis G., Andriopoulou Maria</i>	Wednesday
11:45 - 11:50	Unstable shoulder: is a simultaneous arthroscopic Bankart-remplissage repair an effective procedure to reduce re-dislocation rate? <i>FP19-1094 Franceschi F. (Italy), Papalia R., Edoardo F., Del Buono A., Maffulli N., Denaro V.</i>	Thursday
11:50 - 12:00	Discussion	
12:00 - 14:00	Lunch break, and industry workshops, details see pages 184-193	
14:00 - 15:00	Failed instability repair: Analysis of prognostic factors <i>Chair: Milano G. (Italy), Charousset C. (France)</i>	Friday
14:00 - 14:10	Analysis of prognostic models <i>SY24-4170 Charousset C. (France)</i>	
14:10 - 14:20	Glenoid and humeral bone defects <i>SY24-4171 Baudi P. (Italy)</i>	
14:20 - 14:30	Shoulder hyperlaxity <i>SY24-4172 Monga P. (United Kingdom), Funk L. (United Kingdom)</i>	Saturday
14:30 - 14:40	The at-risk athlete <i>SY24-4173 Imhoff A. (Germany)</i>	
14:40 - 14:50	Report on ESSKA-ULS multicenter study <i>SY24-4174 Milano G. (Italy)</i>	
14:50 - 15:00	Discussion	Posters

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ROOM B

15:00 - 15:30	Key Note Lecture <i>Chair: Mihelic R. (Croatia)</i>
15:00 - 15:10	Diagnosis and classification of the glenoid bone loss <i>KN25-4020 Mihelic R. (Croatia)</i>
15:10 - 15:25	Complex instability problems related to bony deformities <i>KN25-5055 Ludvigsen T. (Norway)</i>
15:25 - 15:30	Discussion
15:30 - 16:00	Coffee break, visit industrial exhibition
16:00 - 17:00	Biology and rotator cuff repair: A new approach <i>Chair: Randelli P. (Italy)</i>
16:00 - 16:10	Epidemiology, genetics and biological factors of rotator cuff tears <i>SY32-4147 Longo U. (Italy)</i>
16:10 - 16:20	Mesenchymal stem cell therapy regenerates the native bone-tendon junction after surgical repair in a degenerative rat model <i>SY32-4148 Nourissat G. (France)</i>
16:20 - 16:30	Growth factors in rotator cuff repair: From lab to clinical practice <i>SY32-4149 Buchmann S. (Switzerland), Imhoff A. (Germany)</i>
16:30 - 16:40	Role of PRP in rotator cuff repair <i>SY32-4150 Randelli P. (Italy)</i>
16:40 - 16:50	Scaffold for rotator cuff repair <i>SY32-4151 Delle Rose G. (Italy)</i>
16:50 - 17:00	Discussion
17:00 - 18:00	Interactive upper limb cases <i>Chair: Hardy P. (France)</i>
IS 10	Case presentations – Interactive discussion on diagnosis and treatment option <i>Hardy P. (France), Lundgreen Kirsten (Norway), Taverna E. (Italy), Monga P. (United Kingdom)</i>
18:00 - 19:00	Poster Happy Hour II <i>in Hall 1</i>

ROOM C

07:30 - 08:55	ICL 04: EKA: TKA the basics – Surgical technique to get your TKA right <i>Chair: Victor J. (Belgium), Neyret P. (France)</i>
07:30 - 07:40	Jointline preservation and gap management in the deformed primary knee <i>ICL13-4135 Adravanti P. (Italy)</i>
07:40 - 07:50	Rotational alignment of the tibial and femoral component <i>ICL13-4136 Neyret P. (France)</i>
07:50 - 08:00	Assessment of tibiafemoral stability and management of ligament imbalance <i>ICL13-4137 Briard J. (France)</i>
08:00 - 08:10	Assessment of patella tracking and techniques to improve patellar stability <i>ICL13-4138 Baldini A. (Italy)</i>
08:10 - 08:20	Pearls for a consistent and reliable exposure <i>ICL13-4139 Almqvist K. (Belgium)</i>
08:20 - 08:30	Dealing with fixed-flexion deformity <i>ICL13-4140 Verdonk P. (Belgium)</i>
08:30 - 08:55	Discussion
11:30 - 12:00	Free papers: Degenerative <i>Chair: Adravanti P. (Italy), Ritschl P. (Austria)</i>
11:30 - 11:35	Adverse events in medial opening wedge high tibial osteotomy. A retrospective study of 323 cases <i>FP21-292 Martin R. (Canada), Litchfield R., Willits K., Lebel Marie-Eve, Giffin R.</i>
11:35 - 11:40	Bone Marrow-derived cell mobilization by Granulocyte colony stimulation factor (G-CSF) and osseointegration: a phase II clinical study <i>FP21-1249 Marmotti A. (Italy), Castoldi F., Rossi R., Dettoni F., Blonna D., Tarella C.</i>
11:40 - 11:45	The clinical outcome after high tibial osteotomy does not depend on age, BMI or the extent of cartilage lesion <i>FP21-932 Varoga D. (Germany), Hartz Claudia, Meyer Deike, Pries F., Wischatta R., Seekamp A.</i>
11:45 - 11:50	Primary total and unicompartmental knee arthroplasty: an age-dependent analysis of patient satisfaction <i>FP21-695 von Keudell A. (United States), Sodha Sonal, Minas T., Fitz W., Gomoll A.</i>
11:50 - 12:00	Discussion

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ROOM C

12:00 - 14:00 Lunch break,
and industry workshops, details see pages 184-193

14:00 - 15:30 **EKA – Kinematics of the natural knee and targets for the replaced knee**
Chair: Amis A. (United Kingdom), Verdonschot N. (Netherlands)

14:00 - 14:10 Constitutional varus: Should the knee always be corrected to 0 deg
mechanical alignment?
SY26-4180 *Bellemans J. (Belgium)*

14:10 - 14:20 Correlation of 1-year fluoroscopic analysis and 10-years clinical results
SY26-4181 *Argenson J. (France)*

14:20 - 14:30 Kinematics of the tibiofemoral joint and the effects of TKA
SY26-4182 *Victor J. (Belgium)*

14:30 - 14:40 Which types of TKA can restore normal kinematics?
SY26-4183 *Catani F. (Italy)*

14:40 - 14:50 The effect of tibial insert geometry on tibiofemoral kinematics
SY26-4184 *Wymenga A. (Netherlands)*

14:50 - 15:00 Kinematics of the patellofemoral joint and effects of TKA
SY26-4185 *Gosh M. (United Kingdom)*

15:00 - 15:30 Discussion

15:30 - 16:00 Coffee break,
visit industrial exhibition

16:00 - 17:00 **EKA – Patellofemoral joint in TKA**
Chair: Fuchs-Winkelmann Susanne (Germany), Vandenuecker Hilde (Belgium)

16:00 - 16:07 Results of biomechanical examinations patella kinematics
SY30-4293 *Fuchs-Winkelmann Susanne (Germany)*

16:07 - 16:14 Changes induced to the patellofemoral kinematic-biomechanics
by placing a patellofemoral and total knee prosthesis
SY30-4294 *Vandenuecker Hilde (Belgium)*

ROOM C

	continued	EKA – Patellofemoral joint in TKA	
	16:14 - 16:21	Influence of patella position on clinical results: A multicentric study using navigation SY30-4295 Zaffagnini S. (Italy)	
	16:21 - 16:28	Resurfacing the patella and the importance femur rotation SY30-4296 Deehan D. (United Kingdom)	
	16:28 - 16:35	Fluoroscopic analysis of the patellofemoral joint and TKA compared to the natural knee SY30-4297 Parratte S. (France)	
	16:35 - 16:42	Patellar tilting in high flexion designs SY30-4298 Verdonk P. (Belgium)	
	16:42 - 16:49	Complications after patellar resurfacing in TKA at a medium-long term follow-up SY30-4299 Adravanti P. (Italy)	
	16:49 - 17:00	Discussion	
	17:00 - 18:00	EKA – Revision TKA: How to deal with infection: Prevention and treatment Chair: Klauser W. (Germany), Trampuz A. (Switzerland)	
	17:00 - 17:12	How to get the correct bacteria in the lab SY34-4288 Trampuz A. (Switzerland)	
	17:12 - 17:24	Surgical and antibiotic algorithm treatment with and without spacer SY34-4289 De Man H. (Netherlands)	
	17:24 - 17:36	Two stage revision in the treatment of infected total knee arthroplasty SY34-4290 Schiavone Panni A. (Italy)	
	17:36 - 17:48	One stage revision in the treatment of infected TKA SY34-4291 Klauser W. (Germany)	
	17:48 - 18:00	Discussion	
	18:00 - 18:45	EKA Business Meeting ME15	

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07:30 - 08:55 ICL 02: ULS: Management of rotator cuff calcific tendinopathy

Chair: Havlas V. (Czech Republic), Karahan M. (Turkey)

07:30 - 07:33 Introduction – Where are we standing?

ICL11-4230 Havlas V. (Czech Republic)

07:33 - 07:43 Patophysiology and classification

ICL11-4231 Adamczyk G. (Poland)

07:43 - 07:53 Conservative management overview

ICL11-4232 Karahan M. (Turkey)

07:53 - 08:03 Extracorporeal shock-wave therapy

ICL11-4233 Mihelic R. (Croatia)

08:03 - 08:13 Percutaneous needle lavage technique

ICL11-4234 Karahan M. (Turkey)

08:13 - 08:23 Clinical staging, indications for surgery

ICL11-4411 Mataragas E. (Greece)

08:23 - 08:33 Surgical management, open vs. arthroscopic

ICL11-4235 Havlas V. (Czech Republic)

08:33 - 08:43 Practical treatment algorithm

ICL11-4236 Randelli P. (Italy)

08:43 - 08:55 Discussion

11:30 - 12:00 Free papers: Patello-femoral I

Chair: Karahan M. (Turkey), Veselko M. (Slovenia)

11:30 - 11:35 The effect of medial patellofemoral ligament rupture and reconstruction on patellar kinematics and patellofemoral joint contact pressures

FP20-528 Stephen Joanna (United Kingdom), Kader D., Lumpaopong Punyawon, Deehan D., Amis A.

11:35 - 11:40 Arthroscopic management of chronic patellar tendinopathy

FP20-869 Pascarella F. (Italy), Alam M., Pascarella A., Latte C., Di Salvatore M., Maffulli N.

continued	Free papers: Patello-femoral I
11:40 - 11:45	Comparison of in vivo three-dimensional patellar kinematics during robotic tibial rotation using dynamic computed tomography between patients with chronic patellofemoral pain syndrome and healthy volunteers <i>FP20-1170</i> Branch T. (United States), Cunningham T., Stinton S., Albahar A., Mills T., Jacobs C.
11:45 - 11:50	Q vector measurements: physical exam (PE) vs. MRI – are they related? <i>FP20-314</i> Arendt Elizabeth (United States), Agel Julie
11:50 - 12:00	Discussion
12:00 - 14:00	Lunch break, and industry workshops, details see pages 184-193
14:00 - 15:30	Knee injuries in children <i>Chair: Chotel F. (France), Siebold R. (Germany)</i>
14:00 - 14:15	Meniscus surgery in child <i>SY25-4266</i> Beaufils P. (France)
14:15 - 14:30	Bony ACL avulsion in child <i>SY25-4264</i> Tecklenburg Katja (Austria)
14:30 - 14:45	ACL reconstruction in child <i>SY25-4265</i> Siebold R. (Germany)
14:45 - 15:00	Patella dislocation in child <i>SY25-4267</i> Schöttle P. (Switzerland)
15:00 - 15:15	Osteochondrosis dissecans in child <i>SY25-4268</i> Chotel F. (France)
15:15 - 15:30	Treatment of M. Osgood-Schlatter <i>SY25-4269</i> Janarv P. (Sweden)
15:30 - 16:00	Coffee break, visit industrial exhibition

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16:00 - 17:00 Basic science committee: Knee joint assessment methods

Chair: Amis A. (United Kingdom)

16:00 - 16:10 The instrument treadmill to assess walking ability after surgery

SY49-4175 *Wiik A. (United Kingdom)*

16:10 - 16:20 Measurement of rotational laxity

SY49-4176 *Seil R. (Luxembourg)*

16:20 - 16:30 Accelerometers to measure dynamic instability

SY49-4177 *Lopomo N. (Italy)*

16:30 - 16:40 Intraoperative optical navigation to measure TKA kinematics and laxity

SY49-4178 *Marcacci M. (Italy)*

16:40 - 16:50 Which are the best patient-reported outcomes measures (PROMs)?

SY49-4179 *Maffulli N. (United Kingdom)*

16:50 - 17:00 Discussion

17:00 - 18:00 Preservation of ACL remnants (biomechanics, proprioception, vascularization)

Chair: Georgoulis A. (Greece), Colombet P. (France)

17:00 - 17:15 Introduction – Reasons for saving remnants
(mechanical, vascular and proprioception)

SY47-4357 *Georgoulis A. (Greece)*

17:15 - 17:30 Diagnostic, mechanics of lesion, different rupture pattern, imaging

SY47-4358 *Colombet P. (France)*

17:30 - 17:45 The role of the remnants for the post-op proprioception and
new surgical techniques

SY47-4359 *Ochi M. (Japan)*

17:45 - 18:00 Reconstruction of the ACL after partial ACL injury

SY47-4360 *Siebold R. (Germany)*

18:00 - 19:00 Poster Happy Hour II

in Hall 1

ROOM K

07:30 - 08:55	ICL 05: ESSKA – AFAS: Posterior ankle impingement: What's the limit? <i>Chair: van Dijk C. (Netherlands), Calder J. (United Kingdom)</i>
07:30 - 07:45	Surgical anatomy of the hindfoot endoscopy <i>ICL 14-4060 de Leeuw P. (Netherlands)</i>
07:45 - 08:00	Particular posterior impingement cases <i>ICL 14-4061 Ögüt T. (Turkey)</i>
08:00 - 08:15	Arthroscopic subtalar arthrodesis <i>ICL 14-4062 D'Hooghe P. (Belgium)</i>
08:15 - 08:30	Posterior ankle arthrodesis <i>ICL 14-4063 Kerkhoffs G. (Netherlands)</i>
08:30 - 08:45	Anatomy of the hindfoot <i>ICL 14-4059 Golano P. (Spain)</i>
08:45 - 08:55	Discussion
11:30 - 12:00	Free papers: Return to play <i>Chair: Werner Suzanne (Sweden), Bizzini M. (Switzerland)</i>
11:30 - 11:35	Return to sport and sports participation in the medium-term following ACL reconstruction surgery <i>FP39-1082 Arden Clare (Australia), Taylor N., Feller J., Webster Kate</i>
11:35 - 11:40	Factors related to return to sports after ACL-reconstruction <i>FP39-247 Kvist Joanna (Sweden), Österberg Annika, Gauffin H.</i>
11:40 - 11:45	Patient-reported knee function identified by return to sport criteria after ACL reconstruction <i>FP39-1205 Logerstedt D. (United States), Di Stasi Stephanie, Lynch A., Axe M., Snyder-Mackler Lynn</i>
11:45 - 11:50	Factors affecting return to sports after ACL reconstruction in athletes <i>FP39-1474 Iñiguez Magaly (Chile), Hallin Karin, Forssblad M., Werner Suzanne, Padilla O., Engström B.</i>
11:50 - 12:00	Discussion
12:00 - 14:00	Lunch break, and industry workshops, details see pages 184-193

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ROOM K

14:00 - 15:30 PT Cartilage Symposium – Latest evidence on exercise therapy for patients with cartilage lesions

Chair: Della Villa S. (Italy), Kon Elizaveta (Italy)

14:00 - 14:20 The effects of exercise therapy for patients with articular cartilage lesions – What is the latest evidence

PT13-4124 Risberg May Arna (Norway)

14:20 - 14:40 Rehabilitations program following articular cartilage repair

PT13-4125 van Assche D. (Belgium)

14:40 - 14:55 A three months exercise therapy program involved clinical meaningful changes and postponed surgery in patients with articular cartilage lesions

PT13-4126 Wondrasch Barbara (Austria)

14:55 - 15:15 Gait retraining for reducing knee joint loading for patients with cartilage lesions?

PT13-4127 Bennell Kim (Australia)

15:15 - 15:30 Discussion

15:30 - 16:00 Coffee break, visit industrial exhibition

16:00 - 17:00 PT Hamstring injuries – diagnostic criteria and rehabilitation

Chair: Bizzini M. (Switzerland), Melegati G. (Italy)

16:00 - 16:15 Diagnostic criteria – MRI and clinical tests

PT12-4310 Askling C. (Sweden)

16:15 - 16:30 An evidence based update of rehabilitation after hamstring injuries

PT12-4311 Moksnes H. (Norway)

16:30 - 16:45 Acute hamstring injuries – A prospective randomized controlled clinical trial comparing two rehabilitation protocols

PT12-4312 Askling C. (Sweden)

16:45 - 17:00 Discussion

ROOM K

17:00 - 18:00	Free papers: Pelvis/groin <i>Chair: Ludvigsen T. (Norway)</i>
17:00 - 17:05	Periarticular calcifications about the acetabulum: classification and prevalence <i>FP17-720 Safran M. (United States), Larson C., Giveans M.</i>
17:05 - 17:10	Arthroscopic Autologous Membrane Induced Chondrogenesis for the treatment of FAI in the hip <i>FP17-864 Fontana A. (Italy)</i>
17:10 - 17:15	Arthroscopic decompression of the anterior inferior iliac spine leading to extra-articular hip impingement <i>FP17-258 Hetsroni I. (Israel), Larson C., Dela Torre Katrina, Zbeda R., Magennis Erin, Kelly B.</i>
17:15 - 17:20	Prevalence of hip pathology in asymptomatic subjects. A prospective investigation using Magnetic Resonance Imaging (MRI) <i>FP17-1432 Register B. (United States), Philippon M., Pennock A., Briggs Karen</i>
17:20 - 17:30	Discussion
17:30 - 17:35	The cross over sign is not a reliable diagnostic measure for the assessment of acetabular retroversion <i>FP17-1371 Wassilew G. (Germany), Perka C.</i>
17:35 - 17:40	Adductor-related groin pain in athletes treated with a selective partial adductor longus release <i>FP17-1477 Dimitrakopoulou Alexandra (United Kingdom), Schilders E.</i>
17:40 - 17:45	Are acetabular chondral flaps identified during hip arthroscopy worth repairing: a biochemical and cellular assessment <i>FP17-719 Safran M. (United States), Hariri Sanaz, Truntzer J., Smith R.</i>
17:45 - 17:50	Sport participation level in patients with hip injuries <i>FP17-692 Briggs Karen (United States), Philippon M.</i>
17:50 - 18:00	Discussion
18:00 - 19:00	Poster Happy Hour II <i>in Hall 1</i>

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ROOM E

07:30 - 08:55 ICL 01: Arthroscopy committee: Video surgical technique

Chair: Siebold R. (Germany), Kartus J. (Sweden)

07:30 - 07:50 Anatomical ACL reconstruction

ICL10-4243 *Hussein M. (Slovenia)*

07:50 - 08:10 Repair of medial meniscus bucket handle tear

ICL10-4244 *Hoeher J. (Germany)*

08:10 - 08:30 Arthroscopic cartilage transplantation at patella

ICL10-4245 *Siebold R. (Germany)*

08:30 - 08:50 Anatomical MPFL reconstruction

ICL10-4246 *Faunø P. (Denmark)*

11:30 - 12:00 Free papers: Ligament IV

Chair: Koch P. (Switzerland), Servien Elvire (France)

11:30 - 11:35 The validation of simple visual parameters for objective assessment of arthroscopic skill

FP23-616 *Alvand A. (United Kingdom), Khan T., Al-Ali S., Jackson W., Price A., Rees J.*

11:35 - 11:40 The femoral footprint of the ACL and its osseous landmarks

FP23-49 *Gabriel S. (Austria), Fischmeister M., Tschabitscher M., Hirtler Lena*

11:40 - 11:45 Does ligament preservation during anterior cruciate ligament (ACL) reconstructive surgery in ACL deficient patients improve patient-reported outcomes at one year? A prospective cohort study

FP23-482 *Mohtadi N. (Canada), Chan Denise, Humphrey Rhamona, Naylor Alexandra*

11:45 - 11:50 The relationship between lower extremity strength and knee valgus load in a vertical drop jump

FP23-1171 *Nilstad Agnethe (Norway), Ruud K., Kristianslund E., Krosshaug T.*

11:50 - 12:00 Discussion

ROOM E

12:00 - 14:00	Lunch break, and industry workshops, details see pages 184-193
14:00 - 14:45	ESSKA – Dutch/Belgium: The tendon of the long head of the biceps: Update on pathology and management <i>Chair: Pouliart Nicole (Belgium), Willems W. (Netherlands)</i>
14:00 - 14:15	Anatomy, biomechanics and spectrum of pathology SY22-4204 Pouliart Nicole (Belgium)
14:15 - 14:25	Current treatment options: Fix or cut or both – Repair and tenodesis SY22-4205 Willems W. (Netherlands)
14:25 - 14:35	Current treatment options: Fix or cut or both – Tenotomy SY22-4206 Berghs B. (Belgium)
14:35 - 14:45	Discussion
14:45 - 15:30	ESSKA – SIGASCOT – Current options for treatment of tendinopathy <i>Chair: Zorzi C. (Italy), Volpi P. (Italy)</i>
14:45 - 14:53	Epidemiology and aetiology SY23-4048 Ronga M. (Italy)
14:53 - 15:01	Conservative management SY23-4049 Margheritini F. (Italy)
15:01 - 15:09	PRP procedure SY23-4050 Bait C. (Italy)
15:09 - 15:17	Minimally invasive surgery SY23-4051 Longo U. (Italy)
15:17 - 15:25	Surgical treatment SY23-4052 Madonna V. (Italy)
15:25 - 15:30	Discussion

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ROOM E

15:30 - 16:00 Coffee break,
visit industrial exhibition

16:00 - 17:00 PRP in Orthopaedic Sports Medicine
Chair: Filardo G. (Italy), Kelberine F. (France)

16:00 - 16:08 PRP: Biological basis and different products
SY29-4087 Kelberine F. (France)

16:08 - 16:16 PRP and tendinopathies: Pros
SY29-4088 Carmont M. (United Kingdom)

16:16 - 16:24 PRP and tendinopathies: Cons
SY29-4089 De Jonge Suzanne (Netherlands)

16:24 - 16:32 PRP and ACL surgery
SY29-4090 Vogrin M. (Slovenia)

16:32 - 16:40 PRP and cartilage lesions
SY29-4091 Filardo G. (Italy)

16:40 - 16:48 PRP and muscle lesions
SY29-4092 Kelberine F. (France)

16:48 - 17:00 Discussion

ROOM E

17:00 - 18:05	National Award Winners <i>Chair: Randelli P. (Italy), Madry H. (Germany)</i>	
17:00 - 17:05	Mechanical symptoms in arthroscopy of degenerative knee: From indication to contraindication? <i>AW11-4435 Shivonen R. (Finland), Järvinen T.</i>	
17:05 - 17:10	Arthroscopic release of internal rotation contractures of the shoulder secondary to brachial plexus birth palsy <i>AW11-4440 Pireau Nathalie (Belgium), Barbier O., Docquier P., van Isacker T.</i>	
17:10 - 17:15	Tibial plateau fractures in unicompartmental knee arthroplasty <i>AW11-4439 De Bo T. (Belgium), Stuyts B., Verdonk P.</i>	
17:15 - 17:20	CT scan evaluation of the out-in femoral tunnel in ACL reconstruction with reversed arthroscopic portal <i>AW11-4442 Buscayret F. (France)</i>	
17:20 - 17:25	Matrix Metalloproteinase (MMP)-9 and Tissue Inhibitor of Metalloproteinase (TIMP)-1 can contribute to differentiation of inflammatory arthritis of the knee <i>AW11-4434 Fotopoulos V. (Greece), Tzinia Athina, Tzurbakis M., Kalfakakou V., Stamatina L., Georgoulis A.</i>	
17:25 - 17:30	One Stage Osteochondral Repair With Cartilage Fragments In A Composite Scaffold: In Vitro Human And In Vivo Rabbit And Goat Animal Model <i>AW11-4436 Marmotti A. (Torino), Castoldi F., Bruzzone M., Bonasia D., Rossi R., Maiello A., Mattia S., Bignardi C., Tarella C., Peretti G.</i>	
17:30 - 17:35	Instability of the elbow: Biomechanical evaluation of current surgical procedures for medial and lateral collateral ligament reconstruction <i>AW11-4437 Dargel J. (Germany)</i>	
17:35 - 17:40	Alterations of the subchondral bone following marrow stimulation for articular cartilage repair – data from animal models and clinical evidence <i>AW11-4438 Madry H. (Germany), Orth P.</i>	
17:40 - 17:45	MRI anatomical characterization of the Anterior Cruciate Ligament (ACL) and Intercondylar Notch <i>AW11-4441 Sousa A. (Portugal), Duarte F., Raposo F., Valente L., Gonçalves A., Pinto R., Gutierrez M.</i>	

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ROOM E

continued		National Award Winners
17:45 - 17:50	Biomechanical investigation of the stabilization principle of the Latarjet procedure	
AW11-4433	<i>Wellmann M. (Germany), de Ferrari Elena, Bobrowitsch E., Smith T., Agneskirchner J., Siebert C.</i>	
17:50 - 17:55	Experimental background and clinical experiences of fresh osteochondral allograft transplantation – hungarian experiences	
AW11-4443	<i>Hangody L. (Hungary), Tóth F., Módos L., Vásárhelyi G.</i>	
17:55 - 18:00	The effect of life-long endurance training on the mechanical properties of the human patellar tendon, in vivo	
AW11-5040	<i>Couppé C. (Copenhagen), Svensson R., Grosset J., Olsen M., Hansen M., Aagaard P., Kjaer M., Magnusson S.</i>	
18:00 - 18:05	Reconstruction of the extensor mechanism with fresh frozen allograft after knee arthroplasty	
AW11-4432	<i>Valentí A. (Spain), Llombart R., Diaz de Rada P., Mora G., Valentí J.</i>	
18:00 - 19:00	Poster Happy Hour II <i>in Hall 1</i>	

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07:30 - 08:55 ICL 03: ULS: Personality of cuff tears and biceps pathology, global visions evaluation and treatment options

Chair: Poberaj B. (Slovenia), Calvo Diaz A. (Spain), Taverna E. (Italy)

07:30 - 07:36 Intra-articular variations of LHB

ICL12-4301 Kanatli U. (Turkey)

07:36 - 07:42 Do we need LHB? Function and diagnostic investigations of LHB pathology

ICL12-4302 Cartucho Pereira A. (Portugal)

07:42 - 07:48 LHB pathology with intact cuff

ICL12-4303 Calvo Diaz A. (Spain)

07:48 - 17:54 LHB pathology related to cuff tears

ICL12-4304 Poberaj B. (Slovenia)

07:54 - 08:05 Discussion

08:05 - 08:13 Partial rotator cuff tear: How to detect and treatment options

ICL12-4384 Willems W. (Netherlands)

08:13 - 08:21 Large multi-layer rotator cuff tear: How to manage

ICL12-4385 Antonogiannakis E. (Greece)

08:21 - 08:29 Subscapularis tear: How to detect and treatment options

ICL12-4386 Garavaglia G. (Switzerland)

08:29 - 08:37 Irreparable cuff tear: Treatment options

ICL12-4387 Gervasi E. (Italy)

08:37 - 08:55 Discussion

11:30 - 12:00 Free Papers: Cartilage IV	
<i>Chair: Filardo G. (Italy), Monllau J. (Spain)</i>	
11:30 - 11:35	Treatment of knee articular cartilage defects with matrix-induced autologous transplantation of adipose-derived mesenchymal stromal cells: Preliminary results in five patients <i>FP43-1355 Iosifidis M. (Greece), Melas I., Kyriakidis T., Alvanos D., Kyriakidis A.</i>
11:35 - 11:40	Effect of gender in the follow-up after matrix-associated autologous chondrocyte transplantation (MACT) as assessed by morphological and biochemical magnetic resonance imaging as well as clinical scoring <i>FP43-1145 Welsch G. (Germany), Werner S., Blanke M., Stelzeneder D., Marlovits S., Trattnig S.</i>
11:40 - 11:45	Repair of traumatic osteochondral rabbit knee defect using osteochondral autograft vs biosynthetic implant <i>FP43-1138 Intzoglou K. (Greece), Koulalis D., Papaparaskeva Kleo, Mastrokalos D., Babis G., Papagelopoulos P.</i>
11:45 - 11:50	The use of autologous adult, allogenic juvenile, and combined juvenile-adult cartilage fragments for the repair of chondral defects. in vivo study on a rabbit model <i>FP43-507 Bonasia D. (Italy), Marmotti A., Martin J., Rossi R., Blonna D., Amendola N.</i>
11:50 - 12:00	Discussion
12:00 - 14:00 Lunch break, and industry workshops, details see pages 184-193	
18:00 - 19:00 Poster Happy Hour II <i>in Hall 1</i>	

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ROOM L

11:30 - 12:00 Free papers: Basic science

Chair: Doral M. (Turkey), Scheffler S. (Germany)

11:30 - 11:35 Knee cruciate ligaments: Biomechanical effects of injury using robot assisted anterior drawer test

FP22-1199 Menakaya Chinyelu (United Kingdom), Takeda R., Rodriguez y Baena F., Amis A.

11:35 - 11:40 Mechanical axis does not predict size or location of bone marrow lesions in knee osteoarthritis

FP22-673 Ghodadra A. (United States), Winalski C., Miniaci A., Jones M.

11:40 - 11:45 Single layer periosteum progenitor cell sheet enhanced tendon-bone healing than acellular collagen film for anterior cruciate ligament reconstruction

FP22-853 Chen L. (Taiwan), Chen C.

11:45 - 11:50 Do bacterial biofilms play a role in ACL reconstruction failure?

FP22-1485 Jain S. (United States), Altman G., Costerton W., DeMeo P.

11:50 - 12:00 Discussion

12:00 - 14:00 Lunch break, and industry workshops, details see pages 184-193

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A-0T11025

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Time	Room A	Room B	Room C	Le Jura	
7.30	ICL 07: Revision ACL cruciate reconstruction		ICL 10: EKA: Uni in medial OA – The basics	ICL 08: ULS: Massive RC tears and cuff arthropathy	
8.00					
8.30					
8.45					
8.55					
9.00	Travelling Fellows presentation				
9.15					
9.30	Highlight lecture by Jean-Noël Argenson				
9.45					
9.55	Coffee break				
10.15	Visit industrial exhibition				
10.30	Free papers: Ligament V	Free papers: Shoulder III	Free papers: EKA – Joint replacement	Free papers: Meniscus II	
10.45					
11.00	ESSKA General assembly				
11.30					
12.00					
12.30	Lunch Workshops				
12.45					
12.45					
13.00					
13.30	Lunch Break		Lunch Break		
13.45					
14.00	Fee papers: Sport specific & Injury prevention	Biological treatment of early osteoarthritis	Free Papers: EKA – Total joint replacement	Hip Arthroscopy: Basic concept current indication and future perspective	
14.15					
14.30					
14.45					
15.00		Key note: Radiofrequency and meniscal tissue: From resection to repair			
15.10					
15.15					
15.25	QQ: Osteochondritis dissecans of the elbow: Treatment options				
15.30	Coffee break				
15.45	Visit industrial exhibition				
15.45	Coffee break				
16.00	Key note: ACL laxity evaluation	Free Papers: Basic Science II	EKA – Revision TKA: Getting the right diagnosis, indication and surgical technique	ESSKA – AGA: Remodelling of the ACL-graft	
16.10					
16.15	Key note: When to do an osteotomy in lateral and AP laxity?				
16.25					
16.30	Key note: Mosaicplasty – Does size matter?				
16.40					
16.45	Key note: Mosaicplasty versus ACI II-III: Cost/Benefit versus Complications				
16.55					
17.00	Key note: IOC & sports medicine	Anatomical dissection / discover the elbow	EKA – TKA: Optimizing Part I	Free Papers: Ligament VIII	
17.10					
17.15	Key note: Why there are less muscle injuries among female?				
17.25					
17.30	Key note: Does the female heal better than man	Key note: New arthroscopic shoulder portals			
17.40					
17.45	Key note: Muscle injury optimal treatment				Key Note: ULS – Nerve entrapment in shoulder
17.50					
18.00					

Break	Battle	Instructional Course Lecture
Free paper	Awards	Posters
Symposium	Nurse Course	Orthopaedic Review Course
Highlight Lecture	Key Note Lecture	

Room K	Room E	Le Salève	Room L	Time
ICL 11: Study design and research methodology	ICL 12: EWAS: Wrist arthroscopy in traumatic and post-traumatic injuries	ICL 09: Multiple ligament injury management		7.30
				8.00
				8.30
				8.45
				8.55
				9.00
				9.15
				9.30
				9.45
Coffee break				9.55
Visit industrial exhibition				10.15
Coffee break				10.30
Free papers: Mechanobiology of the knee	Free papers: Muscle & Tendon		Nurse Course	10.45
				11.00
				11.30
				12.00
KSSTA Review Course	Lunch Workshops			12.30
				12.45
	Lunch Break			13.00
				13.30
				13.45
Free Papers: Shoulder IV	Free papers: PCL-PLC & Multiple ligament injury	Orthopaedic Sports Medicine Comprehensive Review Course – Upper Limb	Nurse Course	14.00
Relationship recommendations for patient management				14.15
				14.30
				14.45
	Free Papers: Ligament VII			15.00
				15.10
				15.15
				15.25
Coffee break				15.30
Visit industrial exhibition				15.45
Coffee break				16.00
	ATSG – Insertional Achilles Tendinopathy – consensus from diagnosis to the modern treatments	Orthopaedic Sports Medicine Comprehensive Review Course – Lower Limb	Nurse Course	16.10
				16.15
				16.25
				16.30
				16.40
				16.45
				16.55
	EMTG - Meniscal implantation – South Korean allografts and European synthetic grafts	Orthopaedic Sports Medicine Comprehensive Review Course – Spine and Sport Medicine	Nurse Course	17.00
				17.10
				17.15
				17.25
				17.30
				17.40
				17.45
				17.50
				18.00

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ROOM A+B

07:30 - 08:55 ICL 07: Revision ACL cruciate reconstruction

Chair: Denti M. (Italy), Menetrey J. (Switzerland)

07:30 - 07:42 Causes of failure, diagnosis and planning

ICL16-4021 *Hantes M. (Greece)*

07:42 - 07:54 Graft selection / Tibial tunnel placement / Femoral tunnel placement / Graft Fixation

ICL16-4022 *Forssblad M. (Sweden)*

07:54 - 08:06 One stage vs two stage (pros/cons)

ICL16-4023 *Weiler A. (Germany)*

08:06 - 08:18 Association or not peripheral plastic

ICL16-4024 *Amendola N. (United States)*

08:18 - 08:30 Revision in varus knee

ICL16-4025 *Denti M. (Italy)*

08:30 - 08:42 Post-op management

ICL16-4026 *Melegati G. (Italy)*

08:42 - 08:55 Discussion

09:00 - 09:30 Travelling Fellows presentation

ME12

09:30 - 10:00 Highlight lecture

Chair: Wymenga A. (Netherlands)

The new arthritic patient

IL16-4002 *Argenson J. (France)*

10:00 - 10:30 Coffee break, visit industrial exhibition

ROOM A

10:30 - 11:00	Free Papers: Ligament V <i>Chair: Petersen W. (Germany), Rahu M. (Estonia)</i>	
10:30 - 10:35	Large differences in knee loading between drop jumps and cutting maneuvers <i>FP32-1403 Krosshaug T. (Norway), Kristianslund E.</i>	
10:35 - 10:40	Relationship between mucoid degeneration of the anterior cruciate ligament and posterior tibial slope <i>FP32-1130 Youm Y. (South Korea (ROK)), Cho S., Eo J., Lee K.</i>	
10:40 - 10:45	Anteromedial portal versus transtibial drilling techniques in ACL reconstruction: What is the clinical and radiographic relevance? <i>FP32-1460 Franceschi F. (Italy), Papalia R., Rizzello G., Del Buono A., Maffulli N., Denaro V.</i>	
10:45 - 10:50	Measurement of the anterior laxity of the knee by the GNRB system and by a navigation system. A preliminary study <i>FP32-149 Schoenahl J. (France), Jenny J., Arndt J.</i>	
10:50 - 11:00	Discussion	
11:00 - 12:00	ESSKA General assembly <i>ME13</i>	
12:00 - 14:00	Lunch break, and industry workshops, details see pages 184-193	
14:00 - 15:30	Free Papers: Sport specific & Injury prevention <i>FP29 Chair: Bahr R. (Norway), Irrgang J. (United States)</i>	
14:00 - 14:05	Prevention of acute knee injuries in adolescent female football: a cluster randomised controlled trial <i>FP29-452 Hägglund M. (Sweden), Atroshi I., Magnusson H., Wagner P., Waldén M.</i>	
14:05 - 14:10	Surgical treatment of Mcl tears in acute and old multiligament injuries – comparative analysis <i>FP29-1009 Hermanowicz K. (Poland), Jancewicz P., Kuzma K., Malinowski K.</i>	
14:10 - 14:15	Injury mechanisms and safety aspects in world cup alpine skiing: A systematic video analysis of 69 cases <i>FP29-1116 Bere Tone (Norway), Flørenes Tonje, Krosshaug T., Nordsletten L., Bahr R.</i>	

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ROOM A

continued	Free Papers: Sport specific & Injury prevention
14:15 - 14:20 FP29-1046	The effect of playing surface on the incidence of anterior cruciate ligament injuries in national collegiate athletic association American football players <i>Dragoo J. (United States), Braun Hillary, Durham Jennah, Chen M., Harris A.</i>
14:20 - 14:30	Discussion
14:30 - 14:35 FP29-776	Effects of hyperbaric oxygen therapy on the recovery of muscle contusion in rats <i>Cervaens Mariana (Portugal), Camacho O., Marques F., Barata P.</i>
14:35 - 14:40 FP29-442	Skiing and boarding injuries related to ability and gender <i>Ekeland A. (Norway), Rødven A.</i>
14:40 - 14:45 FP29-650	Correlation of clinical and MRI findings in professional dancers' hip: a new femoroacetabular Impingement? <i>Duthon Victoria B. (Switzerland), Charbonnier Caecilia, Kolo Christophe F., Becker C., Hoffmeyer P., Menetrey J.</i>
14:45 - 14:50 FP29-948	Effects of Platelet-Rich Plasma (PRP) combined with the NSAID Ketorolac tromethamine on human cartilage and tendon cells <i>Beitzel K. (Germany), McCarthy Mary Beth, Cote M., Russell R., Arciero R., Mazzocca A.</i>
14:50 - 15:00	Discussion
15:00 - 15:05 FP29-353	Reconstructive surgery using autologous bone-patellar tendon graft for insertional Achilles tendinopathy <i>Yasui Y. (Japan), Takao M., Miyamoto W., Miki S., Innami K., Matsushita T.</i>
15:05 - 15:10 FP29-978	A new method of registration of overuse injuries in sport <i>Clarsen B. (Norway), Bahr R., Myklebust Grethe</i>
15:10 - 15:15 FP29-1439	Pre-participation screening in elite youth tennis players <i>Boykin R. (United States), Ruiz Cotorro A., Dominguez D., Philippon M.</i>
15:15 - 15:20 FP29-1243	Knee muscle activity during squatting and standing exercises on unstable rehabilitation equipment <i>Bencke J. (Denmark), Curtis D., Zebis Mette</i>
15:20 - 15:30	Discussion
15:30 - 16:00	Coffee break, visit industrial exhibition

ROOM A

	16:00 - 16:15	Key note lecture <i>Chair: Neyret P. (France)</i>
	KN16-4007	ACL laxity evaluation <i>Espregueira-Mendes J. (Portugal)</i>
	16:15 - 16:30	Key Note Lecture <i>Chair: Neyret P. (France)</i>
	KN28-4029	When to do an osteotomy in lateral and AP laxity? <i>Benedetto K. (Austria)</i>
	16:30 - 16:45	Key Note Lecture <i>Chair: Jelic M. (Croatia)</i>
	KN15-4006	Mosaicplasty – Does size matter? <i>Espregueira-Mendes J. (Portugal)</i>
	16:45 - 17:00	Key Note Lecture <i>Chair: Jelic M. (Croatia)</i>
	KN32-4383	Mosaicplasty versus ACI II-III: Cost/Benefit versus Complications <i>Kon Elizaveta (Italy)</i>
	17:00 - 17:15	Key Note Lecture <i>Chair: Bahr R. (Norway)</i>
	KN14-4005	IOC & sports medicine <i>Engelbrechtsen L. (Norway)</i>
	17:15 - 17:30	Key Note Lecture <i>Chair: Servien Elvire (France)</i>
	KN27-4028	Why there are less muscle injuries among female? <i>Orava S. (Finland)</i>
	17:30 - 17:45	Key note lecture <i>Chair: Servien Elvire (France)</i>
	KN18-4012	Does the female heal better than man? <i>Huard J. (United States)</i>
	17:45 - 18:00	Key note lecture <i>Chair: Servien Elvire (France)</i>
	KN20-4027	Muscle injury optimal treatment <i>Järvinen T. (Finland)</i>

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ROOM B

10:30 - 11:00 Free Papers: Shoulder III

Chair: Mihelic R. (Croatia), Monga P. (United Kingdom)

10:30 - 10:35 Biomechanical evaluation of an anatomic coracoclavicular and acromioclavicular ligament reconstruction technique utilizing a single continuous intramedullary free tendon graft

FP24-575 *Safran M. (United States), Abrams G., McGarry Michelle, Freehill M., Cheung E., Lee T.*

10:35 - 10:40 Results of arthroscopic stabilization for the acute acromioclavicular joint dislocations

FP24-1336 *Kovacic L. (Slovenia), Senekovic V., Veselko M.*

10:40 - 10:45 Horizontal acromioclavicular stability after AC-joint reconstruction. A comparative biomechanical human cadaveric study

FP24-1360 *Saier T. (Germany), Venjakob A., Minzlaff P., Föhr P., Imhoff A., Vogt S.*

10:45 - 10:50 Arthroscopic procedures of the sternoclavicular joint. Possibilities and biomechanical implications

FP24-1152 *Rathcke M. (Denmark), Trantum-Jensen J., Radi D., Knudsen A., Okholm M., Krogsgaard M.*

10:50 - 11:00 Discussion

12:00 - 14:00 Lunch break,
and industry workshops, details see pages 184-193

14:00 - 15:00 Biological treatment of early Osteoarthritis

Chair: Kon Elizaveta (Italy), Almqvist K. (Belgium)

14:00 - 14:10 Definition and classification of early osteoarthritis of the knee

SY51-4259 *Engelbrechtsen L. (Norway)*

14:10 - 14:20 Biological aspects of early osteoarthritis

SY51-4260 *Madry H. (Germany)*

14:20 - 14:30 Biomechanical considerations in the pathogenesis of osteoarthritis of the knee

SY51-4261 *van Dijk C. (Netherlands)*

ROOM B

	continued	Biological treatment of early Osteoarthritis	
	14:30 - 14:40	Non-surgical management of early knee osteoarthritis SY51-4262 Kon Elizaveta (Italy)	
	14:40 - 14:50	Surgical treatment for early osteoarthritis SY51-4263 Gomoll A. (United States)	
	14:50 - 15:00	Discussion	
	15:00 - 15:15	Key Note Lecture Chair: LaPrade R. (United States)	
	KN13-4004	Radiofrequency and meniscal tissue: From resection to repair Pavlovich I. (Mexico)	
	15:15 - 15:30	Key Note Lecture Chair: Pederzini L. (Italy)	
	KN12-4003	Osteochondritis dissecans of the elbow: Treatment options Safran M. (United States)	
	15:30 - 16:00	Coffee break, visit industrial exhibition	
	16:00 - 17:00	Basic Science II Chair: Doral M. (Turkey), Blankevoort L. (Netherlands)	
	16:00 - 16:05	Posterior horn attachments of the menisci and tibial insertion of the PCL: Gross anatomy and functional arthroscopic findings complemented by cryosectional anatomy FP45-1296 Stäubli H. (Switzerland), Rauschning W., Nemeth T., Friedrich D.	
	16:05 - 16:10	Prevention of chondrocyte death from desiccation in a bovine knee model FP45-710 von Keudell A. (United States), Syed H., Canseco J., Gomoll A.	
	16:10 - 16:15	The TT-TG-index – a new method in diagnostic of patellar instability FP45-1239 Hingelbaum S. (Germany), Best R., Wagner D., Bauer G., Mauch F.	

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ROOM B

	continued	Basic Science II
16:15 - 16:20	Joint preserving therapy in patients with villonodular synovitis of the hip FP45-931	Schröder J. (Germany), Hufeland M., Schaser K., Melcher I., Haas N.
16:20 - 16:30	Discussion	
16:30 - 16:35	Treatment of gluteus medius and minimus tendon tears with a specific diagnostic and surgical technique: a retrospective study of 67 patients FP45-793	Makridis K. (France), Lequesne M., Bard H., Wajsfisz A., Basdekis G., Djian P.
16:35 - 16:40	A numerical study to analyze the post-cam force in primary and revision TKAs during several daily activities FP45-1224	Pianigiani Silvia (Italy), Scheys L., Labey L., Pascale W., Innocenti B.
16:40 - 16:45	Variability of tunnel positioning in ACL reconstruction – a cadaver study FP45-954	Shafizadeh S. (Germany), Balke M., Bâthis H., Akoto R., Banerjee M.
16:45 - 16:50	Neuromuscular performance 2 to 8 years after ACL reconstruction: bone-patellar tendon-bone and semitendinosus/gracilis versus healthy controls FP45-178	Engelen-van Melick Nicky (Netherlands), van Cingel R.
16:50 - 17:00	Discussion	
17:00 - 17:30	Symposia Anatomical dissection / discover the elbow Chair: Golano P. (Spain)	
17:00 - 17:20	Anatomy of the elbow and surgical implications SY41-4186	Golano P. (Spain), Lopez-Vidriero E. (Canada)
17:20 - 17:30	Discussion	
17:30 - 17:45	Key Note Lecture Chair: Milano G. (Italy)	
	New arthroscopic shoulder portals KN24-4019	Calvo Diaz A. (Spain)
17:45 - 18:00	Key Note Lecture Chair: Kovacic L. (Slovenia)	
	Nerve entrapment in shoulder KN35-4242	Yiannakopoulos C. (Greece)

ROOM C

07:30 - 08:55	ICL 10: EKA: Uni in medial OA – The basics <i>Chair: Argenson J. (France), Franz A. (Germany)</i>	
07:30 - 07:40	Indication and patient selection <i>ICL19-4141 Deschamps G. (France)</i>	
07:40 - 07:50	Basic technique-balancing in mobile UKR and new instruments for correct alignment and rotation <i>ICL19-4142 Dodd C. (United Kingdom)</i>	
07:50 - 08:00	Basic surgical technique in fixed bearing uni including rotation <i>ICL19-4143 Hernigou P. (France)</i>	
08:00 - 08:10	Fixed versus mobile, all poly versus metal backed <i>ICL19-4144 Franz A. (Germany)</i>	
08:10 - 08:20	Bicompartmental UKA and PFJ <i>ICL19-4145 Parratte S. (France)</i>	
08:20 - 08:30	ACL and uni <i>ICL19-4146 Argenson J. (France)</i>	
08:30 - 08:55	Discussion	
10:30 - 11:00	Free Papers: EKA – Joint replacement <i>Chair: Becker R. (Germany), Dodd C. (United Kingdom)</i>	
10:30 - 10:35	Does the mobile bearing UKR have good fixation? <i>FP26-661 Tuncer M. (United Kingdom), Nakhla A., Cobb J., Hansen U., Amis A.</i>	
10:35 - 10:40	Factors affecting the postoperative limb alignment and clinical outcome after Oxford unicompartmental knee arthroplasty <i>FP26-1049 Bae J. (South Korea (ROK)), Kim S., Lim H., Lee J., Hong J.</i>	
10:40 - 10:45	An instrumented treadmill measuring top walking speed, stride length and weight acceptance at heel strike suggests superiority of unicompartmental over total knee arthroplasty <i>FP26-760 Wiik A. (United Kingdom), Tankard Sara, Strachan R., Amis A., Cobb J.</i>	
10:45 - 10:50	In vitro knee kinematics of unicondylar knee arthroplasty <i>FP26-1165 Heyse T. (Germany), El-Zayat B., Chevalier Y., Fuchs-Winkelmann Susanne, Labey L.</i>	
10:50 - 11:00	Discussion	

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ROOM C

12:00 - 14:00 Lunch break,
and industry workshops, details see pages 184-193

14:00 - 15:30 Free Papers: EKA – Total joint replacement

Chair: Wilton T. (United Kingdom), Christen B. (Switzerland)

14:00 - 14:05 Erythromycine-colistin cement does not reduce the infection rate in primary total knee arthroplasty

FP31-868 Hinarejos P. (Spain), Guirro P., Leal-Blanquet J., Montserrat F., Pelfort X., Puig-Verdie L.

14:05 - 14:10 High activity scores after total knee replacement

FP31-148 Schoenahl J. (France), Jenny J., Louis P., Diesinger Y.

14:10 - 14:15 Increased levels of BMP-2 in the synovial fluid in painful total knee arthroplasty

FP31-202 Pfizner T. (Germany), Geissler S., Duda G., Perka C.

14:15 - 14:20 No difference in implant migration and clinical outcome between cemented versus press-fit placed stems in revision total knee replacement: a randomized controlled trial

FP31-521 Heesterbeek Petra (Netherlands), Wymenga A., van Hellemond G.

14:20 - 14:30 Discussion

14:30 - 14:35 The effect of age and body mass index, an analysis of 10104 cases with minimum 2 years follow up

FP31-1469 Parwez T. (United Kingdom), Murray J., Hassaballa M., Robinson J., Porteous A.

14:35 - 14:40 Pain management protocols and perioperative pain and health-related quality of life after total knee arthroplasty: A multicenter study

FP31-1029 Chang C. (South Korea (ROK)), Cho W.

14:40 - 14:45 Two-year functional and clinical outcome of the legion revision system

FP31-1464 Hassaballa M. (United Kingdom), Murray J., Robinson J., Porteous A.

14:45 - 14:50 High success rate of routine one-stage exchange for infected total knee replacement

FP31-146 Schoenahl J. (France), Jenny J., Barbe B., Gaudias J., Boéri C.

14:50 - 15:00 Discussion

ROOM C

	continued	Free Papers: EKA – Total joint replacement	
	15:00 - 15:05	Clinical and radiographic outcome after minimally invasive vs. standard total knee arthroplasty – a prospective controlled trial <i>FP31-1017 Liebensteiner M. (Austria), Krismer M., Kapfinger P., Behensky H., Mayr E.</i>	
	15:05 - 15:10	Early failure of a contemporary TKR design <i>FP31-1452 Leach W. (United Kingdom), Rooney B., Mckenna Rosaleen</i>	
	15:10 - 15:15	Total knee replacement by means of custom-fit cutting blocks: Comparison between two different systems <i>FP31-1191 Ensini A. (Italy), Belvedere C., Cenni F., Timoncini A., Giannini S., Leardini A.</i>	
	15:15 - 15:20	Crosslinked polyethylene does not reduce the poly wear in vivo in patients with a total knee arthroplasty <i>FP31-774 Hinarejos P. (Spain), Piñol I., Torres A., Pelfort X., Prats Eva, Puig-Verdie L.</i>	
	15:20 - 15:30	Discussion	
	15:30 - 16:00	Coffee break, visit industrial exhibition	
	16:00 - 17:00	EKA – Revision TKA: Getting the right diagnosis, indication and surgical technique <i>Chair: van Hellemond G. (Netherlands), Benazzo F. (Italy)</i>	
	16:00 - 16:08	The relation with various diagnoses and complications with outcome <i>SY38-4207 van Hellemond G. (Netherlands)</i>	
	16:08 - 16:16	Diagnosis and outcome in allergy and arthrofibrosis <i>SY38-4208 Fuchs-Winkelmann Susanne (Germany)</i>	
	16:16 - 16:24	Diagnosis and outcome of aseptic loosening <i>SY38-4209 Baldini A. (Italy)</i>	
	16:24 - 16:32	Diagnosis and outcome of malrotation <i>SY38-4210 Hofmann S. (Austria)</i>	
	16:32 - 16:40	Treatment and outcome of extensor mechanism problems <i>SY38-4211 Porteous A. (United Kingdom)</i>	
	16:40 - 17:00	Discussion	

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ROOM C

17:00 - 18:00 EKA – TKA: Optimizing Part I

Chair: Bellemans J. (Belgium), Marcacci M. (Italy)

17:00 - 17:08 The influence of rotational alignment on the peri-articular soft tissues

SY42-4212 *Kessler O. (Switzerland)*

17:08 - 17:16 Optimizing rotational alignment of the tibia

SY42-4213 *Beaufils P. (France)*

17:16 - 17:24 Optimizing rotational alignment of the femur

SY42-4214 *Becker R. (Germany)*

17:24 - 17:32 TKA implantation according to the functional flexion axis

SY42-4215 *Marcacci M. (Italy)*

17:32 - 17:40 The principle of kinematic alignment

SY42-4216 *Howell S. (United States)*

17:40 - 18:00 Discussion

07:30 - 08:55	ICL 08: ULS: Massive RC tears and cuff arthropathy <i>Chair: Brzoska R. (Poland), Cartucho Pereira A. (Portugal)</i>
07:30 - 07:33	Introduction – Massive RC criteria <i>ICL17-4192 Cartucho Pereira A. (Portugal)</i>
07:33 - 07:39	Biomechanical studies with spinnacher technique <i>ICL17-4193 Gleyze P. (France)</i>
07:39 - 07:45	The importance of the biology in RCT treatment <i>ICL17-4194 Van Raebroeckx A. (Belgium)</i>
07:45 - 07:51	Suture bridge for massive RCT <i>ICL17-4195 Toussaint B. (France)</i>
07:51 - 07:57	Can double row technique be applied in massive RC tears? <i>ICL17-4196 Brzoska R. (Poland)</i>
07:57 - 08:03	Margin convergence in massive tears – The shoestring bridge <i>ICL17-4197 van der List M. (Netherlands)</i>
08:03 - 08:09	Use of the subacromial balloon at massive RCT <i>ICL17-4198 Senekovic V. (Slovenia)</i>
08:09 - 08:15	Arthroscopic assisted lat. dorsi transfer in massive RCT <i>ICL17-4199 Jermolajevs V. (Lithuania)</i>
08:15 - 08:21	The anatomical reconstruction of the rotator cuff <i>ICL17-5041 Battistella F. (Italy)</i>
08:21 - 08:27	Multicentric study presentation – A. Cartucho, A. van Raebroeckx, S. Kamineni, V. Senekovic, R. Brzoska, B. Toussaint, M. Mikek, F. Battistella, M. van der List <i>ICL17-4200 Brzoska R. (Poland), Cartucho Pereira A. (Portugal)</i>
08:27 - 08:32	Discussion
08:32 - 08:38	Methods of conservative treatment and limits of acromioplasty <i>ICL17-4201 Korolev A. (Russian Federation)</i>
08:38 - 08:44	Reverse shoulder arthroplasty – Limits <i>ICL17-4202 Valenti P. (France)</i>
08:44 - 08:50	Instability after reverse TSR for massive RCT <i>ICL17-4203 Kamineni S. (United States)</i>
08:50 - 08:55	Discussion

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10:30 - 11:00	Free Papers: Meniscus II <i>Chair: Forssblad M. (Sweden), Hantes M. (Greece)</i>
12:00 - 12:05	Comparison of the displacement pre- and post-surgery of 24 polyurethane meniscal implants; is there a difference in displacement and is there any correlation with the thickness of the residual meniscal rim? <i>FP25-1361 Verdonk R. (Belgium), Verdonk P., de Coninck Tineke, Huysse W.</i>
12:05 - 12:10	Arthroscopic single tibial tunnel meniscal allograft transplantation without bone plugs. A 3-year minimum followup study. <i>FP25-654 Marcheggiani Muccioli G. (Italy), Nitri M., Grassi A., Bonanzinga T., Zaffagnini S., Marcacci M.</i>
10:30 - 10:35	Cyclic loading comparison of all-inside device and inside-out sutures for radial meniscus lesion repair: an in vitro porcine model study <i>FP25-412 Lee Yee Han D. (United States), Nyland J., Burden R., Caborn D.</i>
10:35 - 10:40	Validating a global rating scale to monitor resident learning curves during complex arthroscopic tasks <i>FP25-637 Alvand A. (United Kingdom), Jackson W., Khan T., Gill H., Price A., Rees J.</i>
10:40 - 10:50	Discussion
12:00 - 14:00	Lunch break, and industry workshops, details see pages 184-193
14:00 - 15:30	Hip Arthroscopy: Basic concept current indication and future perspective <i>Chair: Bonin N. (France), Sadri H. (Switzerland)</i>
14:00 - 14:09	Arthroscopic anatomy and portal placement <i>SY36-4105 Dienst M. (Germany)</i>
14:09 - 14:18	FAI: Concept, pathology and treatment options <i>SY36-4106 Dora C. (Switzerland)</i>
14:18 - 14:27	Labral Management: Debridement, repair or reconstruction <i>SY36-4107 Philippon M. (United States)</i>
14:27 - 14:36	Chondral Lesions: What can I do? <i>SY36-4108 Sadri H. (Switzerland)</i>
14:36 - 14:45	The internal snapping hip <i>SY36-4109 Bonin N. (France)</i>

	continued	Hip Arthroscopy: Basic concept current indication and future perspective	
	14:45 - 14:54 SY36-4110	External snapping hip and abductor pathology <i>Randelli F. (Italy)</i>	
	14:54 - 15:03 SY36-4112	Ischiofemoral impingement <i>Safran M. (United States)</i>	
	15:03 - 15:12 SY36-4113	Sciatic nerve decompression <i>Hal M. (United States)</i>	
	15:12 - 15:21 SY36-4111	Ligament teres pathology <i>N. N.</i>	
	15:21 - 15:30 SY36-4114	Conclusion – tricks and pearls to bring home <i>Bonin N. (France), Sadri H. (Switzerland)</i>	
	15:30 - 16:00	Coffee break, visit industrial exhibition	
	16:00 - 17:00	ESSKA – AGA: Remodelling of the ACL-graft <i>Chair: Mayr H. (Germany), Imhoff A. (Germany)</i>	
	16:00 - 16:08 SY39-4042	Graft-dependent differences in remodeling of ACL-grafts in sheep <i>Mayr H. (Germany)</i>	
	16:08 - 16:16 SY39-4043	ACL-graft – remodeling of the insertion area <i>Petersen W. (Germany)</i>	
	16:16 - 16:24 SY39-4044	Tissue engineering and remodeling of the anterior cruciate ligament <i>Imhoff A. (Germany)</i>	
	16:24 - 16:32 SY39-4045	ACL-graft remodeling in children – analysis after 7 years <i>Becker R. (Germany)</i>	
	16:32 - 16:40 SY39-4046	Influence of perfusion and mechanical stimulation of MSC's for ACL-reconstruction <i>Frosch K. (Germany)</i>	
	16:40 - 16:48 SY39-4047	Degradation of bioabsorbable fixation materials during remodeling of ACL-grafts <i>Fink C. (Austria)</i>	
	16:48 - 17:00	Discussion	

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17:00 - 18:00	Free Papers: Ligament VIII <i>Chair: Colombet P. (France), N. N.</i>
17:00 - 17:05	Measurement device for MRI assessment of translation and rotation in ACL deficient knee: Clinical validation <i>FP41-1248</i> <i>Pereira H. (Portugal), Sevivas N., Passos Cláudia, Monteiro A., Vasconcelos J., Espregueira-Mendes J., Oliveira J., Reis R.</i>
17:05 - 17:10	International knee documentation committee subjective score correlate with tibial rotation kinematics during dynamic pivoting activities after anterior cruciate ligament reconstruction. An in vivo motion analysis study <i>FP41-1449</i> <i>Zampeli Franceska (Greece), Giotis D., Tsiaras V., Pappas E., Georgoulis A.</i>
17:10 - 17:15	Standardized pivot shift test improves measurement accuracy: a multicenter trial <i>FP41-512</i> <i>Hoshino Y. (United States), Musahl V., Ahldén M., Araujo P., Kuroda R., Kurosaka M.</i>
17:15 - 17:20	Does graft fixation sequence in double-bundle anterior cruciate ligament reconstruction effect the kinematics of the knee? <i>FP41-580</i> <i>Shi D. (China), Linde-Rosen Monica, Zhou J., Yapici C., Smolinski P., Fu F.</i>
17:20 - 17:30	Discussion
17:30 - 17:35	Pre-operative 3D CT scan analysis can predict single or two-stage revision anatomic ACL reconstruction <i>FP41-1080</i> <i>Getgood A. (United Kingdom), Dhillon M., Thompson P., Spalding T.</i>
17:35 - 17:40	Three-Dimensional Kinetic and Kinematic Analysis of Knee Rotational stability in ACL-deficient patients. <i>FP41-1166</i> <i>Bagger Bohn Marie (Denmark), Petersen Anne Mette, Nielsen D., Sørensen H., Søballe K., Lind M.</i>
17:40 - 17:45	Effects of tibial tunnel position on knee stability and loss of extension after anatomical anterior cruciate ligament reconstruction <i>FP41-54</i> <i>Hatayama K. (Japan), Terauchi M., Saito K., Yanagisawa S., Takagishi K.</i>
17:45 - 17:50	ACL reconstruction in arthritic knee. A minimum 10 year follow-up <i>FP41-946</i> <i>Lukasik P. (Poland), Widuchowski W., Widuchowski J., Faltus R., Kwiatkowski G., Mroczka A.</i>
17:50 - 18:00	Discussion

ROOM K

07:30 - 08:55	ICL 11: Study design and research methodology <i>Chair: Årøen A. (Norway), Løken S. (Norway)</i>	
07:30 - 07:40 ICL20-4096	Introduction: Why do high impact journals seldom publish sports medicine studies? <i>Løken S. (Norway)</i>	Timetables
07:40 - 07:55 ICL20-4097	Clinical studies based on outcome scores – Prestudy power calculations <i>Sivertsen E. (Norway)</i>	
07:55 - 08:10 ICL20-4098	Pitfalls and strengths in registry studies <i>Granat L. (Norway)</i>	
08:10 - 08:25 ICL20-4099	Metanalysis in sport medicine – How to perform a metaanalysis and how to write the article based on metaanalysis <i>Oiestad Britt Elin (Norway)</i>	Wednesday
08:25 - 08:37 ICL20-4100	Inclusion of patients in cartilage repair studies and the ACL studies – Do we study a subgroup of patients? <i>Årøen A. (Norway)</i>	
08:37 - 08:55	Discussion	
10:30 - 11:00	Free Papers: Mechanobiology of the knee <i>Chair: Almqvist K. (Belgium), Monllau J. (Spain)</i>	Thursday
10:30 - 10:35 FP27-1168	Robotic analysis of three-dimensional tibiofemoral joint laxity in patients that have undergone tibial tubercle transfer <i>Arendt Elizabeth (United States), Branch T., Cunningham T., Jacobs C.</i>	Friday
10:35 - 10:40 FP27-1026	Clinical grading of the pivot shift test correlates best with acceleration <i>Ahlén M. (Sweden), Araujo P., Hoshino Y., Musahl V., Nagamune K., Karlsson J.</i>	
10:40 - 10:45 FP27-116	The effect of local anesthetic and corticosteroid combinations on chondrocyte viability <i>Braun Hillary (United States), Wilcox-Fogel N., Kim Hyeon Joo, Pouliot M., Sox-Harris A., Dragoo J.</i>	
10:45 - 10:50 FP27-581	Pilot clinical study on a nanostructured synthetic biomimetic scaffold for the treatment of osteochondral defects: outcomes at 4 years <i>Kon Elizaveta (Italy), Patella S., Filardo G., Di Martino A., Zaffagnini S., Marcacci M.</i>	Saturday
10:50 - 11:00	Discussion	
12:00 - 14:00	Lunch break, and industry workshops, details see pages 184-193	
12:30 - 13:45 R13	KSSTA Review Course <i>Chair: Karlsson J. (Sweden)</i>	Posters

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ROOM K

14:00 - 14:30 Free Papers: Shoulder IV	
<i>Chair: Arrigoni P. (Italy), Calvo Diaz A. (Spain)</i>	
14:00 - 14:05	Suture anchor techniques as an appropriate alternative to interference screw techniques for all arthroscopically performable suprapectoral LHB tenodesis <i>FP44-747 Patzer T. (Germany), Rundic J., Bobrowitsch E., Hurschler C., Kircher J., Schofer M.</i>
14:05 - 14:10	Clinical outcome of frozen shoulder after additional posterior capsular release compared to anteroinferior capsular release: retrospective short-term comparison study <i>FP44-1161 Chang J. (South Korea (ROK)), Park Young Sik</i>
14:10 - 14:15	Biomechanical analysis of massive rotator cuff tear repairs: Extended linked repairs and augmented repairs <i>FP44-131 Van der Meijden O. (United States), Wijdicks C., Gaskill T., Jansson K., Millett P.</i>
14:15 - 14:20	The effect of microfractures of the greater tuberosity in arthroscopic rotator cuff repair. A randomized clinical trial <i>FP44-1297 Saccomanno Maristella (Italy), Deriu Laura, Careri Silvia, Donati F., Fabbriani C., Milano G.</i>
14:20 - 14:30 Discussion	
14:30 - 15:30 Relationship recommendations for patient management	
<i>Chair: Gleyze P. (France), Menetrey J. (Switzerland)</i>	
14:30 - 14:40	A comparative analysis of pre op patient information with different methodologies and supports <i>SY28-4444 Thomazeau H. (France)</i>
14:40 - 14:50	Impact of time and working conditions for patient management in the office, practical recommendations based on a prospective multicentric and comparative study of 453 cases <i>SY28-4408 Gleyze P. (France)</i>
14:50 - 15:15	Negotiations in complex situation, interactive conference <i>SY28-4409 Combalbert L. (France)</i>
15:15 - 15:30	Ethic and risk management in daily practice <i>SY28-4410 Gleyze P. (France)</i>
17:00 - 18:00 ESSKA Shoulder Section – Open Meeting	
<i>ME16</i>	

ROOM E

07:30 - 08:55	ICL 12: EWAS: Wrist arthroscopy in traumatic and post-traumatic injuries <i>Chair: Messina Jane (Italy), Luchetti R. (Italy)</i>
07:30 - 07:38	Arthroscopic reduction of in intra-articular distal radius fracture <i>ICL21-4247 Battistella F. (Italy)</i>
07:38 - 07:46	Wrist arthroscopy in distal radius fractures with associated lesions <i>ICL21-4248 Adamczyk G. (Poland)</i>
07:46 - 07:54	Wrist arthroscopy in scaphoid fresh fractures <i>ICL21-4388 Rizzo C. (France), Mathoulin C. (France)</i>
07:54 - 08:02	Wrist arthroscopy in acute TFCC tears <i>ICL21-4249 Baur Eva-Maria (Austria)</i>
08:02 - 08:10	Wrist arthroscopy in acute scapholunate tears <i>ICL21-4250 Dauphin N. (Luxembourg)</i>
08:10 - 08:18	Wrist arthroscopy in Bennett Fractures <i>ICL21-4251 Luchetti R. (Italy)</i>
08:18 - 08:26	Treatment of scaphoid fractures associated to SL ligament lesion <i>ICL21-4252 Messina Jane (Italy), Luchetti R. (Italy)</i>
08:26 - 08:34	Innovative procedures in wrist arthroscopy <i>ICL21-4253 Atzei Andrea (Italy)</i>
08:34 - 08:55	Discussion
10:00 - 10:30	Coffee break, visit industrial exhibition

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ROOM E

10:30 - 11:00	Free Papers: Muscle & Tendon <i>Chair: Orava S. (Finland), Maffulli N. (United Kingdom)</i>
10:30 - 10:35	Relationship between neovascularization and clinical severity in Achilles tendinopathy: A prospective analysis of 556 paired measurements <i>FP28-866 Tol J. (Qatar), De Jonge Suzan, Weir A., de Vos R., Verhaar J.</i>
10:35 - 10:40	Systemic performance-enhancing effects of Platelet-Rich Plasma (PRP) injection <i>FP28-556 Wasterlain Amy (United States), Braun Hillary, Kim Hyeon Joo, Dragoo J.</i>
10:40 - 10:45	Ultrasound-guided sclerosis of neovessels in patellar tendinopathy – a prospective study of 101 patients <i>FP28-861 Hoksud Aasne Fenne (Norway), Torgalsen T., Harstad H., Haugen S., Risberg May Arne, Bahr R.</i>
10:45 - 10:50	Ultrasound changes and prognosis in young elite volleyball players with jumper's knee <i>FP28-596 Visnes H. (Norway), Tegnander A., Bahr R.</i>
10:50 - 11:00	Discussion
12:00 - 14:00	Lunch break, and industry workshops, details see pages 184-193
14:00 - 15:00	Free Papers: PCL-PLC & Multiple ligament injury <i>Chair: Djian P. (France), Scheffler S. (Germany)</i>
14:00 - 14:05	Biomechanical comparison between 4-strand posterolateral corner reconstruction and modified Larson's procedures under cyclic loading <i>FP30-1465 Miyatake S. (Japan), Kondo E., Tsai T., Jakobsen B., Yasuda K., Amis A.</i>
14:05 - 14:10	Posteromedial portal in knee arthroscopy. A new and safe method to do it <i>FP30-1484 Granata Jr G. (Brazil), Stroher A., Granata G., Franciozi C., Carneiro Filho M.</i>
14:10 - 14:15	Arthroscopically pertinent anatomy of the anterolateral and posteromedial bundles of the posterior cruciate ligament <i>FP30-419 LaPrade R. (United States), Anderson C., Westcott D., Ziegler C., Wijdicks C., Engebretsen L.</i>
14:15 - 14:20	Morphological variations of the PCL in the midline sagittal plane: Cryosectional anatomy complemented by Arthro MR Imaging studies <i>FP30-1303 Stäubli H. (Switzerland), Rauschning W.</i>

ROOM E

	continued	Free Papers: PCL-PLC & Multiple ligament injury	
	14:20 - 14:30	Discussion	
	14:30 - 14:35	The practical reference points for the footprint of the PCL to the tibia <i>FP30-831 Inoue M. (Japan), Yasojima N., Tsukuda K., Yasuda K.</i>	
	14:35 - 14:40	Neurovascular anatomic relationships to arthroscopic posterior and trans-septal portals in different knee positions <i>FP30-789 Makridis K. (France), Wajsfisz A., Agrawal N., Basdekis G., Djian P.</i>	
	14:40 - 14:45	Posterior cruciate ligament's tibial insertions: Anatomical study and morphometric analyses <i>FP30-257 Gali J. (Brazil), Oliveira H., Lisboa B., Dias B., Casimiro Fabiana, Caetano E.</i>	
	14:45 - 14:50	Arthroscopic PCL reconstruction using transseptal portal: mixed graft versus Achilles allograft <i>FP30-1044 Yang J. (Korea, Democratic People's Republic of (North Korea)), Wang K., Nha K.</i>	
	14:50 - 15:00	Discussion	
	15:00 - 15:30	Free Papers: Ligament VII <i>Chair: Georgoulis A. (Greece), Mayr H. (Germany)</i>	
	15:00 - 15:05	Prospective correlation between serum relaxin concentration and ACL tears in elite female athletes <i>FP40-34 Drago J. (United States), Castillo Tiffany, Braun Hillary, Ridley Bethany, Kennedy Ashleigh, Golish S.</i>	
	15:05 - 15:10	"Practice makes perfect" in ACL reconstruction <i>FP40-465 Oesterhelt A. (United States), Marx R., Do Huong, Nguyen J., Lyman S.</i>	
	15:10 - 15:15	Anterior cruciate ligament injuries in professional football in Europe – the UEFA injury study <i>FP40-592 Waldén M. (Sweden), Hägglund M., Ekstrand J.</i>	
	15:15 - 15:20	Quantitative topographic anatomy of the anterior cruciate ligament femoral footprint – do the ridges exist? <i>FP40-1071 Norman D. (United Kingdom), Thornby J., Bird J., Getgood A., Williams M., Spalding T.</i>	
	15:20 - 15:30	Discussion	
	15:30 - 16:00	Coffee break, visit industrial exhibition	

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ROOM E

16:00 - 17:00 ATSG – Insertional Achilles Tendinopathy – consensus from diagnosis to the modern treatments

Chair: van Dijk C. (Netherlands), Calder J. (United Kingdom)

16:00 - 16:10 Terminology, anatomy and aetiology

SY37-4361 Wiegerinck J. (Netherlands)

16:10 - 16:20 Conservative management (including ESWT)

SY37-4362 Longo U. (Italy)

16:20 - 16:30 Surgery (open and endoscopic)

SY37-4363 van Sterkenburg Maayke (Netherlands)

16:30 - 16:40 Guidelines on rehabilitation and activity resumption

SY37-4364 Donley B. (United States)

16:40 - 17:00 Discussion

17:00 - 18:00 EMTG – Meniscal implantation – South Korean allografts and European synthetic grafts

Chair: Verdonk R. (Belgium), Aagaard H. (Denmark)

17:00 - 17:15 The Korean Experience 1 – Indications and surgical technique of MAT

SY43-4101 Yoon K. (South Korea (ROK))

17:15 - 17:30 The Korean Experience 2 – Results of MAT with bone fixation

SY43-4102 Bin S. (South Korea (ROK))

17:30 - 17:40 Synthetic implants – Actifit

SY43-4103 Verdonk R. (Belgium)

17:40 - 17:50 Synthetic implants – CMI

SY43-4104 Zaffagnini S. (Italy)

17:50 - 18:00 Discussion



07:30 - 08:55	ICL 09: Multiple ligament injury management <i>Chair: Marx R. (United States), Scheffler S. (Germany)</i>	
07:30 - 07:45	Overview of multiligament knee injuries <i>ICL18-4334 Whelan D. (Canada)</i>	Timetables
07:45 - 08:00	Managing medial collateral ligament injuries <i>ICL18-4335 Hetsroni I. (Israel)</i>	
08:00 - 08:15	Managing posterior cruciate ligament (PCL) injuries <i>ICL18-4336 Engebretsen L. (Norway)</i>	
08:15 - 08:30	Managing lateral collateral ligament and posterolateral corner injuries <i>ICL18-4337 Marx R. (United States)</i>	Wednesday
08:30 - 08:55	Discussion	
12:00 - 14:00	Lunch break, and industry workshops, details see pages 184-193	
14:00 - 15:30	Orthopaedic Sports Medicine Comprehensive Review Course – Upper Limb <i>Chair: Randelli P. (Italy)</i>	Thursday
14:00 - 14:10	Anterior shoulder instability <i>R10-4389 Cartucho P. (Portugal)</i>	Friday
14:10 - 14:20	Posterior and multidirectional shoulder instability <i>R10-4390 Toussaint B. (France)</i>	
14:20 - 14:30	A/C joint acute and chronic shoulder instability <i>R10-4391 Senekovic V. (Slovenia)</i>	
14:30 - 14:40	Rotator Cuff tendinopathies and tears <i>R10-4392 Randelli P. (Italy)</i>	
14:40 - 14:50	Dislocations and instability of the elbow <i>R10-4393 Arrigoni P. (Italy)</i>	
14:50 - 15:00	Tennis elbow <i>R10-4394 Arrigoni P. (Italy)</i>	Saturday
15:00 - 15:10	Sports related pathologies of the wrist and hand <i>R10-4395 Arrigoni P. (Italy)</i>	
15:10 - 15:20	Sports related fractures of the upper limb <i>R10-4396 Senekovic V. (Slovenia)</i>	Posters
15:20 - 15:30	Discussion	

SCIENTIFIC PROGRAMME

FRIDAY, MAY 4, 2012

LE SALÈVE

15:30 - 16:00 Coffee break,
visit industrial exhibition

16:00 - 17:30 Orthopaedic Sports Medicine Comprehensive Review Course –
Lower Limb

Chair: Verdonk P. (Belgium)

16:00 - 16:10 Knee instability ACL
R11-4397 Siebold R. (Germany)

16:10 - 16:20 Knee instability PCL, collaterals, multiligaments and patellofemoral
R11-4398 Scheffler S. (Germany)

16:20 - 16:30 Meniscal pathology
R11-4399 Verdonk P. (Belgium)

16:30 - 16:40 Cartilage injuries
R11-4400 Kon Elizaveta (Italy)

16:40 - 16:50 Femoro acetabular impingement and hip pathologies in sports
R11-4401 Dienst M. (Germany)

16:50 - 17:00 Athlete's ankle
R11-4402 Kerkhoffs G. (Netherlands)

17:00 - 17:10 Tendon disorders and injuries
R11-4403 Maffulli N. (United Kingdom)

17:10 - 17:20 Sports related fractures and dislocations of the lower limb
R11-4404 Benedetto K. (Austria)

17:20 - 17:30 Discussion

17:30 - 18:00 Orthopaedic Sports Medicine Comprehensive Review Course –
Spine and Sport Medicine

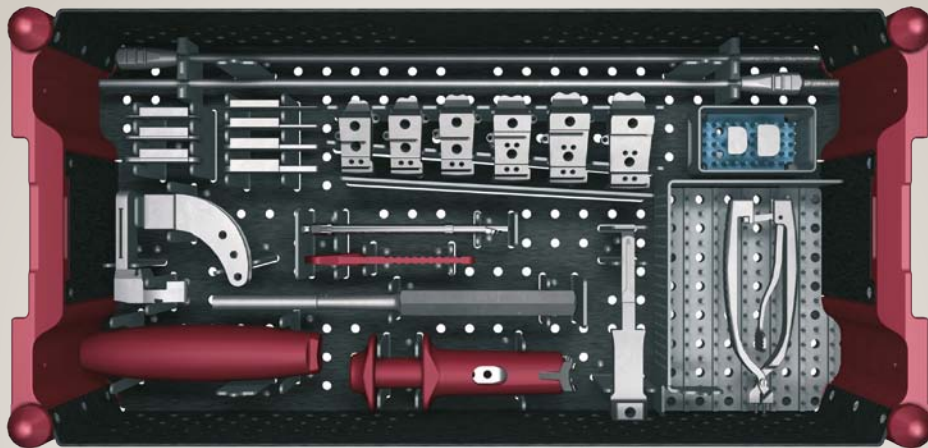
Chair: Denti M. (Italy)

17:30 - 17:40 Spine and sports related injuries
R12-4405 Faundez A. (Switzerland)

17:40 - 17:50 Muscular Injuries in Football
R12-4406 Biosca P. (United Kingdom)

17:50 - 18:00 Discussion

If the tools of the trade
are antiquated...



...maybe it's time for a new toolbox.

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come and visit Stand 04 in Exhibition Hall 1

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Timetables

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Posters

SCIENTIFIC PROGRAMME

FRIDAY, MAY 4, 2012

ROOM L

10:30 - 12:00 Nurse Course

Chair: Courage O. (France)

10:30 - 10:55 Achillis tendon

NU10-4344 *Muellner T. (Austria)*

10:55 - 11:25 Arthroscopic surgery, operating room set up and special instruments

NU10-4346 *Casalini Elisabetta (Italy)*

11:25 - 12:00 Shoulder arthroscopy

NU10-4340 *Courage O. (France)*

12:00 - 14:00 Lunch break, and industry workshops, details see pages 184-193

14:00 - 15:30 Nurse Course

Chair: Robin Christine (Switzerland)

14:00 - 14:30 Anatomic ACL reconstruction

NU11-4341 *Siebold R. (Germany)*

14:30 - 15:00 EORNA-The way forward

NU11-4345 *Higgins Caroline (Ireland)*

15:00 - 15:30 Cartilage defect of the knee

NU11-4342 *Monllau J. (Spain)*

15:30 - 16:00 Coffee break, visit industrial exhibition

ROOM L

16:00 - 17:00	Nurse Course <i>Chair: Higgins Caroline (Ireland)</i>
16:00 - 16:30	Hip arthroscopy <i>NU12-4343 Sadri H. (Switzerland)</i>
16:30 - 17:00	Patient management in same day surgery <i>NU12-4347 Robin Christine (Switzerland)</i>
17:00 - 18:00	Nurse Course <i>Chair: Hulet C. (France)</i>
17:00 - 17:30	TKA indications and surgical principles <i>NU13-4338 Fritschy D. (Switzerland)</i>
17:30 - 18:00	Meniscus preservation <i>NU13-4339 Seil R. (Luxembourg)</i>

The English-French interpretation during the nurse course is kindly supported by:



Timetables

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SCIENTIFIC PROGRAMME

FRIDAY, MAY 4, 2012

OFFICE PT 1

Please note:

The participation is only possible for registered congress participants.

Each workshop is a stand-alone unit. Workshops will be repeated with identical contents!

Participation fee per workshop: 20,00 EUR

09:00 - 09:50	PT Workshop 1:
	ACL rehabilitation for non-operatively treated individuals
<i>PT16</i>	<i>Eitzen Ingrid (Norway), Grindem Hege (Norway)</i>

10:00 - 10:50	PT Workshop 3:
	ACL rehabilitation for non-operatively treated individuals
<i>PT18</i>	<i>Eitzen Ingrid (Norway), Grindem Hege (Norway)</i>

11:00 - 11:50	PT Workshop 5:
	Prevention and Rehabilitation after hamstring injuries
<i>PT20</i>	<i>Askling C. (Sweden), Moksnes H. (Norway)</i>

12:00 - 12:50	PT Workshop 7:
	Prevention and Rehabilitation after hamstring injuries
<i>PT22</i>	<i>Askling C. (Sweden), Moksnes H. (Norway)</i>

Please note:

Office PT 1 and PT 2 are located on the same level as Rooms A, B, C and are accessible from the same foyer.

OFFICE PT 2

09:00 - 09:50	PT Workshop 2: Rehabilitation after shoulder injuries for overhead athletes
PT17	Cools Ann M. (Belgium), Maenhout Annelies (Belgium)
10:00 - 10:50	PT Workshop 4: Rehabilitation after shoulder injuries for overhead athletes
PT19	Cools Ann M. (Belgium), Maenhout Annelies (Belgium)
11:00 - 11:50	PT Workshop 6: Exercise therapy programme for patients with knee OA
PT21	Briem Kristin (Iceland), Stensrud Silje (Norway)
12:00 - 12:50	PT Workshop 8: Exercise therapy programme for patients with knee OA
PT23	Briem Kristin (Iceland), Stensrud Silje (Norway)

Timetables

Wednesday

Thursday

UOTS

Bus shuttle provided from Palexpo to UOTS (free of charge) at 9:00 h.
Return bus at 11:15 h.

UOTS, Cressy Santé, Route de Loëx 99, 1232 Confignon

09:30 - 11:00	PT Workshop 9: Fatigue index – Metabolic and functional performance tests for the athletes
PT24	Danelon F. (Italy), Thomeé R. (Sweden)

Friday

Saturday

The PT workshops are kindly supported by



Posters

SCIENTIFIC PROGRAMME

SATURDAY, MAY 5, 2012

Time	Room A	Room B	Room C	Le Jura
7.30	ICL 13: Needed knowledge for a surgeon on the lateral and posterolateral corner of the knee – A case based ICL		ICL 16: EKA: Osteotomy – The basics	ICL 15: Cartilage committee: Algorithms and flow-charts for the treatment of cartilage pathology
7.45				
8.00				
8.15				
8.30				
8.45				
8.55				
9.00	Awards presentation			
9.15				
9.30	Highlight lecture by Johnny Huard			
9.45				
9.55	Presentation ESSKA Amsterdam 2014			
10.00				
10.10	Key note: The joints and the surgeons, a multifactorial analysis for a complex relationship			
10.20				
10.30	Coffee break Visit industrial exhibition Coffee break			
10.45				
11.00	Battle: Arthroscopic treatment of a degenerative joint: To do or to avoid? – Kohn vs. Steadman	Key note: Disorders clavicular joint	EKA – Lateral OA of the knee uni or osteotomy?	Key note: Root MM Injury
11.10		Key note: Scapulothoracic dyskinesia		
11.15				
11.25				
11.30	Free papers: Ligament VI	Crash and nightmare, how things can go wrong in shoulder arthroscopy		QQ: Mensical repair: Non absorbable or absorbable suture
11.40				
11.45			Key note: Does limb torsion matter?	Free papers: Cartilage II
11.55				
12.00	Multiple ligaments case presentations	Sports medicine committee: Acute hamstring injuries: From onset to treatment	EKA – TKA: Optimizing TKA II	Basic science committee: Latest developments in medical imaging
12.10				
12.20				
12.30				
12.40				
12.50				
13.00				

Break
Free paper
Symposium
Highlight Lecture

Battle
Awards
Nurse Course
Key Note Lecture

Instructional Course Lecture
Posters
Orthopaedic Review Course

Room K	Room E	Le Salève	Room L	Time
ICL 17: ULS: Elbow arthroscopy	ICL 18: Navigation in orthopaedic sports medicine	ICL 14: ULS: Safe and efficient shoulder rehabilitation after surgery – practical guidelines for surgeons		7.30
				7.45
				8.00
				8.15
				8.30
				8.45
				8.55
				9.00
				9.15
				9.30
				9.45
				9.55
				10.00
				10.10
				10.20
Coffee break		Visit industrial exhibition	Coffee break	10.30
				10.45
Key note: Arthroscopic treatment of degenerative joint	ECOSEP: Sports on Field Trauma Emergencies SOFTE: An important tool for the SEM physicians			11.00
Key note: How to manage a stiff knee				11.10
Key note: Formula One Medicine				11.15
Key note: Patellofemoral osteoarthritis in young adults				11.25
				11.30
				11.40
				11.45
				11.55
Free papers: Patello-femoral II	ESSKA – EFOT: Sports and Knee Arthritis			12.00
				12.10
				12.20
Free papers: Cartilage III				12.30
				12.40
				12.50
				13.00

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SCIENTIFIC PROGRAMME

SATURDAY, MAY 5, 2012

ROOM A+B

07:30 - 08:55	ICL 13: Needed knowledge for a surgeon on the lateral and posterolateral corner of the knee – A case based ICL <i>Chair: Engebretsen L. (Norway)</i>
07:30 - 07:35	Introduction <i>ICL22-4319 Engebretsen L. (Norway)</i>
07:35 - 07:50	Anatomy: This is what you need to know <i>ICL22-4320 Griffith C. (United States)</i>
07:50 - 08:05	Biomechanics, exam and stress xrays <i>ICL22-4321 Griffith C. (United States), LaPrade R. (United States)</i>
08:05 - 08:20	Acute lateral injuries: Approach? <i>ICL22-4322 Engebretsen L. (Norway)</i>
08:20 - 08:35	Chronic injuries: Combined, LCL, politeus tendon <i>ICL22-4323 LaPrade R. (United States)</i>
08:35 - 08:50	Posterolateral inj rehab issues <i>ICL22-4324 Moksnes H. (Norway)</i>
08:50 - 08:55	Discussion
09:00 - 09:30	Awards presentation <i>Chair: Randelli P. (Italy)</i>
09:30 - 09:55	Highlight lecture <i>Chair: Madry H. (Germany)</i>
IL17-4008	Tissue engineering over the first decade of the XXIst century <i>Huard J. (United States)</i>
09:55 - 10:10	Presentation ESSKA Amsterdam 2014 <i>ME14-5034 van Dijk C.N. (Netherlands)</i>
10:10 - 10:30	Key Note Lecture <i>Chair: Seil R. (Luxembourg)</i>
KN29-4030	The joints and the surgeons, a multifactorial analysis for a complex relationship <i>Gleyze P. (France)</i>
10:30 - 11:00	Coffee break, visit industrial exhibition

ROOM A

11:00 - 11:30	Battle: Arthroscopic treatment of a degenerative joint: To do or to avoid? – Kohn vs. Steadman <i>Chair: Almqvist K. (Belgium)</i>
11:00 - 11:10 B16-4373	Arthroscopic treatment of a degenerative joint: To avoid <i>Kohn D. (Germany)</i>
11:10 - 11:20 B16-4374	Arthroscopic treatment of a degenerative joint: To do <i>Steadman J. (United States)</i>
11:20 - 11:30	Discussion
11:30 - 12:00	Free papers: Ligament VI <i>Chair: Mora G. (Spain), Prejbeanu R. (Romania)</i>
11:30 - 11:35 FP33-1333	Associations between anatomical risk factors and lower extremity frontal plane kinetics and kinematics during maximal drop jump landings in Norewegian female elite soccer and handball players <i>Wangensteen Arnlaug (Norway), Kristianslund E., Nilstad Agnethe, Steffen Katrin, Krosshaug T.</i>
11:35 - 11:40 FP33-1510	The effect of platelet rich plasma on tendon-to-bone tunnel healing in a rabbit model <i>Delambre J. (France), Bensidhoum M., Khalil C., Aim F., Launay Jean-Marie, David B., Petite H., Hannouche D.</i>
11:40 - 11:45 FP33-631	Effect of haemarthrosis on final outcome in single bundle versus double bundle anterior cruciate ligament reconstruction of the knee: a randomized prospective clinical study <i>Goyal A. (India), Chaudhary D., Joshi D., Bahl V.</i>
11:45 - 11:50 FP33-57	Differences in the ligamentization process of anterior cruciate ligament grafts in a sheep study <i>Mayr H. (Germany), Stoehr Amelie, Südkamp N., Bernstein Anke</i>
11:50 - 12:00	Discussion
12:00 - 13:00	Multiple ligaments case presentations <i>Chair: Adravanti P. (Italy)</i>
12:00 - 12:15 SY53-4325	Case presentation <i>Adravanti P. (Italy)</i>
12:15 - 12:30 SY53-4326	Case presentation <i>Benedetto K. (Austria)</i>
12:30 - 12:45 SY53-4327	Case presentation <i>Maestro A. (Spain)</i>
12:45 - 13:00 SY53-4328	Case presentation <i>Plaweski S. (France)</i>

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SCIENTIFIC PROGRAMME

SATURDAY, MAY 5, 2012

ROOM B

11:00 - 11:15	Key Note Lecture <i>Chair: Prejbeanu R. (Romania)</i>
KN10-4000	Disorders clavicular joint <i>Toussaint B. (France)</i>
11:15 - 11:30	Key Note Lecture <i>Chair: Kovacic L. (Ljubljana)</i>
KN11-4001	Scapulothoracic dyskinesia <i>van der List M. (Netherlands)</i>
11:30 - 12:00	Crash and nightmare, how things can go wrong in shoulder arthroscopy <i>Chair: Tzanakakis N. (Greece), Mikek M. (Slovenia)</i>
11:30 - 11:36	Anesthesiological nightmares in shoulder arthroscopy <i>SY54-4348 Angelis K. (Greece)</i>
11:36 - 11:46	Choosing the right indications for shoulder arthroscopy <i>SY54-4349 Mikek M. (Slovenia)</i>
11:46 - 11:56	Technical difficulties in shoulder arthroscopy <i>SY54-4350 Tzanakakis N. (Greece)</i>
11:56 - 12:00	Discussion
12:00 - 13:00	Sports medicine committee: Acute hamstring injuries: From onset to treatment <i>Chair: Kerkhoffs G. (Netherlands), Servien Elvire (France)</i>
12:00 - 12:12	Hamstring anatomy in relation to injury <i>SY50-4077 Golano P. (Spain)</i>
12:12 - 12:24	Incidence and recurrence rate of hamstring injuries <i>SY50-4078 Ekstrand J. (Sweden)</i>
12:24 - 12:36	Diagnostic and prognostic factors for acute hamstring injuries <i>SY50-4079 Kerkhoffs G. (Netherlands)</i>
12:36 - 12:48	Treatment of acute hamstring injuries: Evidence or eminence <i>SY50-4080 Engebretsen L. (Norway)</i>
12:48 - 13:00	Discussion

ROOM C

07:30 - 08:55	ICL 16: EKA: Osteotomy – The basics <i>Chair: van Heerwaarden R. (Netherlands), Mayr H. (Germany)</i>
07:30 - 07:38	Deformity analysis and planning <i>ICL25-4217 Spruijt S. (Netherlands)</i>
07:38 - 07:46	Science behind HTO/SCO <i>ICL25-4218 van Heerwaarden R. (Netherlands)</i>
07:46 - 07:54	Indication and surgical technique HTO <i>ICL25-4219 Niemeyer P. (Germany)</i>
07:54 - 08:02	Indication and surgical technique SCO <i>ICL25-4220 van Heerwaarden R. (Netherlands)</i>
08:02 - 08:10	Survival analysis HTO <i>ICL25-4221 Marcacci M. (Italy)</i>
08:10 - 08:18	Survival analysis in SCO <i>ICL25-4222 Bruni D. (Italy)</i>
08:18 - 08:26	Digital planning and navigation <i>ICL25-4223 Schröter S. (Germany)</i>
08:26 - 08:34	Case discussions <i>ICL25-4224 Mayr H. (Germany)</i>
08:34 - 08:55	Discussion
10:30 - 11:00	Coffee break, visit industrial exhibition

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SCIENTIFIC PROGRAMME

SATURDAY, MAY 5, 2012

ROOM C

11:00 - 11:45 EKA – Lateral OA of the knee uni or osteotomy?

Chair: Hernigou P. (France), Ritschl P. (Austria)

11:00 - 11:10 What is different between lateral and medial fixed bearing uni?

SY44-4329 *Hernigou P. (France)*

11:10 - 11:20 Mobile bearing uni in lateral arthrosis of the knee

SY44-4330 *Victor J. (Belgium)*

11:20 - 11:30 Results of uni versus osteotomy in lateral arthrosis of the knee

SY44-4331 *Bonnin M. (France)*

11:30 - 11:40 Closing wedge lower femur osteotomies in early lateral OA: Evaluation of more than 100 patient at minimum 10 year follow-up

SY44-4332 *Bruni D. (Italy)*

11:40 - 11:45 Discussion

11:45 - 12:00 Key Note Lecture

Chair: Hofmann S. (Austria)

Does limb torsion matter?

KN21-4010 *Teitge R. (United States)*

12:00 - 13:00 EKA – TKA: Optimizing TKA II

Chair: Wymenga A. (Netherlands), Catani F. (Italy)

12:00 - 12:08 Accuracy and clinical outcomes in TKR patients operated by Patient Specific Technology

SY46-4225 *Catani F. (Italy)*

12:08 - 12:16 Does oversizing influence the results after TKA?

SY46-4226 *Bonnin M. (France)*

12:16 - 12:24 Biomechanical analysis of high flexing total knee arthroplasty

SY46-4227 *Verdonschot N. (Netherlands)*

12:24 - 12:32 Genesis2 versus journey PS design RCT

SY46-4228 *van Hellemondt G. (Netherlands)*

12:32 - 12:40 The impact of patient expectation in TKA on the clinical outcome 100 prospective followed cases

SY46-4229 *Becker R. (Germany)*

12:40 - 13:00 Discussion

07:30 - 08:55	ICL 15: Cartilage committee: Algorithms and flow-charts for the treatment of cartilage pathology <i>Chair: Brittberg M. (Sweden), Madry H. (Germany)</i>
07:30 - 07:45	Classification of lesions <i>ICL24-4187 Brittberg M. (Sweden)</i>
07:45 - 08:00	Treatment of cartilage lesions < 4 cm ² <i>ICL24-4188 Gobbi A. (Italy)</i>
08:00 - 08:15	Treatment of cartilage lesions > 4 cm ² <i>ICL24-4189 Madry H. (Germany)</i>
08:15 - 08:30	Treatment of OA-lesions <i>ICL24-4190 Gomoll A. (United States)</i>
08:30 - 08:45	Cultural aspects on treatment of cartilage lesions <i>ICL24-4191 Goyal D. (India)</i>
08:45 - 08:55	Discussion
10:30 - 11:00	Coffee break, visit industrial exhibition
11:00 - 11:15	Key Note Lecture <i>Chair: Zazirnyi I. (Ukraine)</i>
KN19-4009	Root MM Injury <i>Petersen W. (Germany)</i>
11:15 - 11:30	Key Note Lecture <i>Chair: Dubrov V. (Russian Federation)</i>
KN26-4032	QQ: Mensical repair: Non absorbable or absorbable suture <i>Beaufils P. (France)</i>

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11:30 - 12:00	Free papers: Cartilage II <i>Chair: Madry H. (Germany), Rodkey W. (United States)</i>
11:30 - 11:35	Patient profiling in cartilage regeneration of the knee: mid-term results and prognostic factors <i>FP35-574 Filardo G. (Italy), Kon Elizaveta, Patella S., Di Martino A., Perdisa F., Marcacci M.</i>
11:35 - 11:40	The molecular effect of resveratrol on osteoarthritic and juvenile chondrocytes <i>FP35-118 Dragoo J. (United States), Kim Hyeon Joo, Braun Hillary, Phan H., Gil E., Kaplan D.</i>
11:40 - 11:45	Composite growth-factor-bioreactor synergism for human stem cell chondrogenesis <i>FP35-156 Salzman G. (Germany), Petrou M., Mayr H., Grad Sybille, Alini M., Südkamp N.</i>
11:45 - 11:50	Both functional measures and patient-reported outcomes are necessary to track progression in patients with knee pain <i>FP35-665 Ghodadra A. (United States), Bershadsky B., Miniaci A., Jones M.</i>
11:50 - 12:00	Discussion
12:00 - 13:00	Basic science committee: Latest developments in medical imaging <i>Chair: Amis A. (United Kingdom), Hulet C. (France)</i>
12:00 - 12:10	Clinical applications of RSA with in joint prostheses, both marker-based and model-based <i>SY19-4270 Kaptein B. (Netherlands)</i>
12:10 - 12:20	Knee fluoroscopy evaluation: Comparison of two designs and its clinical relevance <i>SY19-4271 Lebel B. (France)</i>
12:20 - 12:30	MRI 7 T and knee pathology <i>SY19-4272 Marlovits S. (Austria)</i>
12:30 - 12:40	The SPECT-CT for investigation of painful joints <i>SY19-4273 Hirschmann M. (Switzerland)</i>
12:40 - 12:50	MRI of cartilage – Identification of early changes <i>SY19-1107 Welsch G. (Germany), Domayer S., Apprich S., Blanke M., Marlovits S., Trattnig S.</i>
12:50 - 13:00	Discussion

ROOM K

07:30 - 08:55	ICL 17: ULS: Elbow arthroscopy <i>Chair: Safran M. (United States)</i>	
07:30 - 07:45	Elbow arthroscopy - Portals and anatomy <i>ICL26-4237 Willems W. (Netherlands)</i>	Timetables
07:45 - 08:00	Arthroscopic treatment of the stiff elbow – To include OA <i>ICL26-4238 Pederzini L. (Italy)</i>	
08:00 - 08:15	Arthroscopic treatment of OCD <i>ICL26-4240 Arrigoni P. (Italy)</i>	
08:15 - 08:30	Arthroscopic treatment of tennis elbow <i>ICL26-4239 Kelberine F. (France)</i>	
08:30 - 08:45	Arthroscopic evaluation and treatment of instability <i>ICL26-4241 Safran M. (United States)</i>	
08:45 - 08:55	Discussion	
10:30 - 11:00	Coffee break, visit industrial exhibition	Thursday
11:00 - 11:15	Key Note Lecture <i>Chair: Karlsson J. (Sweden)</i>	
KN34-4333	Arthroscopic treatment of degenerative joint <i>Eriksson K. (Sweden)</i>	Friday
11:15 - 11:30	Key Note Lecture <i>Chair: Kecojovic V. (Serbia)</i>	
KN30-4031	How to manage a stiff knee <i>Guillen Garcia P. (Spain)</i>	Saturday
11:30 - 11:45	Key Note Lecture <i>Chair: Piontek T. (Poland)</i>	
KN31-4033	Formula One Medicine <i>Kucukdurmaz F. (Turkey)</i>	Posters

SCIENTIFIC PROGRAMME

SATURDAY, MAY 5, 2012

ROOM K

11:45 - 12:00	Key Note Lecture <i>Chair: Victor J. (Belgium)</i>
KN36-4281	Patellofemoral osteoarthritis in young adults <i>Dejour D. (France)</i>
12:00 - 12:30	Free papers: Patello-femoral II <i>Chair: Dejour D. (France), Varatojo J. (Portugal)</i>
12:00 - 12:05 FP38-1378	Combined trochleoplasty and MPFL reconstruction for treatment of chronic severe patellofemoral instability – a prospective minimum 2-year follow up study <i>Banke I. (Germany), Kohn L., Meidinger G., Beitzel K., Imhoff A., Schöttle P.</i>
12:05 - 12:10 FP38-878	Medial patellofemoral ligament reconstruction with a divergent patellar transverse two-tunnel technique <i>Alam M. (United Kingdom), Panni A., Cerciello S., Vasso M., Maffulli N.</i>
12:10 - 12:15 FP38-1316	Reconstruction of the medial patellofemoral ligament with an aperture fixation – a clinical 2-year follow up <i>Hensler D. (Germany), Otto A., Beitzel K., Banke I., Imhoff A., Schöttle P.</i>
12:15 - 12:20 FP38-538	Combined arthroscopic deepening trochleoplasty and reconstruction of the medial patellofemoral ligament a prospective follow-up <i>Blond L. (Denmark), Haugegaard M.</i>
12:20 - 12:30	Discussion
12:30 - 13:00	Free papers: Cartilage III <i>Chair: Årøen A. (Norway), Hannouche D. (France)</i>
12:30 - 12:35 FP42-1349	Obesity affects the chondrocyte responsiveness to leptin in patients with osteoarthritis <i>Mainard D. (France), Francin P., Pallu S., Guillaume Cecile, Pottie Pascale, Presle Nathalie</i>
12:35 - 12:40 FP42-360	Subchondral drilling affects the microarchitecture of the subchondral bone: analysis at 6 months postoperatively in a preclinical large animal model <i>Madry H. (Germany), Orth P., Goebel L., Wolfram U., Kohn D., Pape D.</i>
12:40 - 12:45 FP42-686	Carbon dioxide arthroscopic matrix induced chondrocyte implantation: technical notes and clinical results <i>Vascellari A. (Italy), Rebuzzi E., Schiavetti S., Coletti N.</i>
12:45 - 12:50 FP42-1328	Does Kellgren-Lawrence grade correlate with arthroscopic findings in knee <i>Briggs Karen (United States), Rodkey W., Steadman J., Matheny Lauren</i>
12:50 - 13:00	Discussion

ROOM E

07:30 - 08:55	ICL 18: Navigation in orthopaedic sports medicine <i>Chair: Colombet P. (France), Klos B. (Netherlands)</i>	
07:30 - 07:42	Influence of secondary retrain factors on stability of the knee <i>ICL27-4351 Ferretti A. (Italy)</i>	Timetables
07:42 - 07:54	ACL extra articular/combined procedures <i>ICL27-4352 Colombet P. (France)</i>	
07:54 - 08:06	Navigated double bundle <i>ICL27-4353 Plaweski S. (France)</i>	
08:06 - 08:18	Preoperative decision making, high tech diagnostic tools <i>ICL27-4354 Zaffagnini S. (Italy)</i>	Wednesday
08:18 - 08:30	Overview and future developments <i>ICL27-4355 Klos B. (Netherlands)</i>	
08:30 - 08:42	Ankle surgery navigation <i>ICL27-4356 Plaweski S. (France)</i>	
08:42 - 08:55	Discussion	Thursday
10:30 - 11:00	Coffee break, visit industrial exhibition	
11:00 - 12:00	ECOSEP: Sports on Field Trauma Emergencies SOFTE: An important tool for the SEM physicians <i>Chair: Maffulli N. (United Kingdom)</i>	Friday
11:00 - 11:15	Initial assessment of the on field <i>SY52-4093 Malliaropoulos N. (Greece)</i>	
11:15 - 11:30	Spinal injuries <i>SY52-4094 Lohrer H. (Germany)</i>	
11:30 - 11:45	Major limb injuries on the field <i>SY52-4095 Maffulli N. (United Kingdom)</i>	
11:45 - 12:00	Discussion	Saturday

Posters

SCIENTIFIC PROGRAMME

SATURDAY, MAY 5, 2012

ROOM E

- | | |
|---------------|--|
| 12:00 - 13:00 | ESSKA – EFOST:
Sports and Knee Arthritis
<i>Chair: Kelberine F. (France)</i> |
| 12:00 - 12:08 | Role of sports in occurrence of arthritis
SY48-4081 Mann G. (Israel) |
| 12:08 - 12:16 | Meniscal tears in young athletes
SY48-4082 Seil R. (Luxembourg) |
| 12:16 - 12:24 | Arthritis in ACL deficient knee
SY48-4083 Engebretsen L. (Norway) |
| 12:24 - 12:32 | Management of medial knee pain in the over 50 sportsmen
SY48-4084 Canata G. (Italy) |
| 12:32 - 12:40 | Recreational sports and resurfacing systemarthroplasty
SY48-4085 Doral M. (Turkey) |
| 12:40 - 12:48 | Sport after TKA
SY48-4086 Huylebroek J. (Belgium) |
| 12:48 - 13:00 | Discussion |



07:30 - 08:55	ICL 14: ULS: Safe and efficient shoulder rehabilitation after surgery – Practical guidelines for surgeons <i>Chair: Gleyze P. (France), Cools Ann M. (Belgium)</i>
07:30 - 07:40	The role of rehabilitation in the postoperative management after shoulder surgery: The past and the future <i>ICL23-4313 Conti M. (Italy)</i>
07:40 - 07:50	Role of senso motor and proprioceptive training in painfull shoulder and cuff pathologies <i>ICL23-4314 Beitzel K. (Germany)</i>
07:50 - 08:00	Challenges and pitfalls of postoperative management after shoulder surgery <i>ICL23-4315 Franceschi F. (Italy)</i>
08:00 - 08:10	Shoulder instability: Conservative and postoperative treatment <i>ICL23-4316 Franceschi F. (Italy)</i>
08:10 - 08:20	Rotator cuff pathology: Pain and cuff tear management <i>ICL23-4317 Flurin P. (France)</i>
08:20 - 08:30	Return to play after shoulder surgery: Rehabilitation guidelines for overhead athletes <i>ICL23-4318 Cools Ann M. (Belgium)</i>
08:30 - 08:55	Discussion

Timetables

Wednesday

Thursday

Friday

Saturday

Posters

POSTER EXHIBITION

P13 SPINE

P13-96	Scoliosis in immature athletes <i>Massada Marta (Portugal), Pereira A., Sousa R., Massada L.</i>
P13-620	The prevalence of low back pain among former elite cross-country skiers, rowers, orienteers and nonathletes – a 10-year cohort study <i>Foss Ida Stange (Norway), Holme I., Bahr R.</i>
P13-1163	Transversus abdominis performance with rehabilitative ultrasound imaging feedback <i>Almeida Isabel (Portugal), Matias R.</i>
P13-1344	The impact of working length of occipital screws on the pullout resistance of the screw-plate construct. A biomechanical cadaver study <i>von Keudell A. (United States), Korn G., Mayer M., Resch H., Zenner Juliane, Koller H.</i>

P14 SHOULDER

P14-110	Autoclaved frozen femoral head allograft bone grafting for large bone defects – A review of its cost-effectiveness <i>Seng C. (Singapore), Chin P., Chia S., Lo N., Yeo S.</i>
P14-130	Arthroscopically assisted Latarjet – Lafosse procedure: how to make it easier in lateral decubitus position through 3 standard portals <i>Belopolsky Alissa (Russian Federation), Milenin O.</i>
P14-238	Arthroscopic rotator cuff repair: Single to double row <i>Fiodorovas M. (Lithuania)</i>
P14-308	Arthroscopic bone block augmentation of the anterior glenoid without violating the subscapularis tendon: a cadaveric study <i>Verborgt O. (Belgium), Van den Bogaert G., Debeer P.</i>
P14-403	Clinical outcomes of arthroscopic repair of massive cuff tears. Comparative study of immobile vs mobile <i>Randelli P. (Italy), Zottarelli L., Fossati Chiara, Arrigoni P., Ragone Vincenzo</i>
P14-406	Biological approach to Bankart repair: A prospective study <i>Randelli P. (Italy), Spennacchio P., Aliprandi A., Ragone Vincenzo, Cabitza P.</i>
P14-501	A preliminary prospective study of the use of ultrasound in the arthroscopic debridement of calcific rotator cuff tendinitis <i>Sabeti M. (Austria), Schmidt M., Schueller-Weidekamm Claudia, Nemecek Elena</i>

P13 SPINE + P14 SHOULDER

P14 SHOULDER

P14-525	Clinical outcomes of arthroscopic subscapularis repair <i>Verma N. (United States), Lin E., Van Thiel G., Nicholson G., Cole B., Romeo A.</i>
P14-669	Can we improve the reliability of the Constant-Murley score? <i>Blonna D. (Italy), Tellini Alessandra, Bonasia D., Rossi R., Michele S., Castoldi F.</i>
P14-836	Arthroscopic Bankart reconstruction improves EQ-5D index and reduces the bone mineral areal mass in the calcanei <i>Ejerhed L. (Sweden), Elmlund Anna Ostberg, Kartus J.</i>
P14-907	Augmentation of suture anchor fixation with polymethylmethacrylate bone cement <i>Seo H. (South Korea (ROK)), Lee S.</i>
P14-923	Arthroscopic single or double row repair of isolated full thickness SSP tear – prospective results after 24 months <i>Heikenfeld R. (Germany), Listringhaus R., Godolias G.</i>
P14-938	Anatomic tunnel positioning in AC joint repair using tendon grafts results in increased stability of graft fixation <i>Beitzel K. (Germany), Geaney Lauren, Apostolakos J., Cote M., Arciero R., Mazzocca A.</i>
P14-971	Arthroscopic management of proximal humerus malunion with tuberoplasty and rotator cuff re-tensioning <i>Lädemann A. (Switzerland), Denard P., Burkhart S.</i>
P14-982	Acromioclavicular joint reconstruction: A comparative biomechanical study of three techniques <i>Lädemann A. (Switzerland), Hoffmeyer P., Stimec B., Fasel J.</i>
P14-988	An Innovative method of shoulder strength assessment <i>Lädemann A. (Switzerland), Collin P.</i>
P14-1125	All-arthroscopic double bundle coracoclavicular ligament reconstruction using autogenous semitendinosus graft. A series of eighteen cases with a new technique <i>Ranne J. (Finland), Sarimo J., Orava S.</i>
P14-1187	Arthroscopically assisted repair of acute grade III-V acromioclavicular joint dislocations <i>Sarasquete J. (Spain), Bruno L., Abat F., Alvarez C., Vidal A., Proubasta I.</i>
P14-1319	Arthroscopic management of posterior shoulder instability <i>Antonogiannakis M. (Greece), Mataragas E., Tsiampa V., Arealis G., Tzanakakis N., Andriopoulou Maria</i>

Timetables

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Posters

POSTER EXHIBITION

P14 SHOULDER

- A musculoskeletal model of the shoulder capable of informing clinical decision-making.
P14-1443 *Matias R. (Portugal), Seth A., Veloso A.*
- Can PEMFs reduce postoperative pain and capsulitis occurrence after arthroscopic rotator cuff repair? A prospective, randomized study
P14-1466 *Osti L. (Italy), Papalia R., Del Buono A., Maffulli N., Denaro V.*
- Biomechanics of a new technique for minimal-invasive coracoclavicular ligament reconstruction in chronic acromioclavicular joint instability
P14-1490 *Schliemann B. (Germany), Lenschow S., Herbolt M., Raschke M.*

P15 SHOULDER

- Comparison of active and passive measurements of shoulder proprioception in healthy individual
P15-53 *Unal M. (Turkey), Dilek Banu, Gulbahar Selmin, Akalin Elif, Akseki D., Pinar H.*
- Suspensory fixation for intraosseous arthroscopic long head biceps tenodesis. Preliminary results
P15-112 *Camacho Chacón J. (Spain), Calvo Diaz A., Roche Alberio A., Ferrer Peiron Sofia, Badiola Vargas Jara*
- Functional results and anatomic control of an arthroscopic repair technique of large and massive rotator cuff tears by a side-by-side suture
P15-115 *Rousseau T. (France), Bertiaux S., Courage O., Roussignol X., Duparc F., Dujardin F.*
- The use of a pre-operative Botulinum Toxin injection in arthroscopic rotator cuff repair. A five year clinical follow up study
P15-153 *Van der Bracht H. (Belgium), van Rooyen K., Huijsmans P., de Beer J.*
- Evaluation of the diagnostic accuracy of preoperative MR arthrography for the subscapularis tendon tears
P15-181 *Sano T. (Japan), Matsuoka H., Nakayama K., Saji T.*
- Technique and outcomes of endoscopic scapulothoracic bursectomy and partial scapulectomy
P15-184 *Van der Meijden O. (United States), Gaskill T., Horan Marilee, Millett P.*

P14 SHOULDER + P15 SHOULDER

P15 SHOULDER

P15-237	Transosseus rotator cuff repair <i>Fiodorovas M. (Lithuania)</i>	
P15-266	Reliability of the geometric classification of rotator cuff tears based on magnetic resonance arthrography <i>van der Zwaal P. (Netherlands), Thomassen Bregje, Urlings T., de Rooij T., Swen J., van Arkel E.</i>	
P15-294	Comparison of glenohumeral contact pressures and contact area after glenoid reconstruction with Latarjet or distal tibial osteochondral allograft <i>Verma N. (United States), Bhatia S., Van Thiel G., Gupta Deepti, Shewman Elizabeth, Romeo A., Bach B.</i>	
P15-309	Posterior capsulorrhaphy in addition to arthroscopic Bankart repair for instability without bone loss <i>Verborgt O. (Belgium), Vanhees M., van Riet R., Janssen N., Declercq G.</i>	
P15-311	Standard or decelerated rehabilitation following arthroscopic rotator cuff repair: a randomized, prospective study <i>Verborgt O. (Belgium), Defoort Saartje, Cools Ann M., Van den Bogaert G.</i>	
P15-374	Refixation of the supraspinatus tendon in the rat model – Influence of continuous G-CSF application via phospho-lipid gel on tendon structure and biomechanical properties <i>Buchmann S. (Switzerland), Walz L., Reichel T., Beitzel K., Winter G., Imhoff A.</i>	
P15-405	Long term quality of life in patients treated for massive retracted immobile cuff tears <i>Randelli P. (Italy), Zottarelli L., Fossati Chiara, Arrigoni P., Ragone Vincenzo</i>	
P15-425	Isokinetic testing in patients with rotator cuff rupture <i>Höfling Imke (Finland), Thorwesten L., Väättäinen U., Sipola P., Niemitukia Lea, Kröger H.</i>	
P15-427	Pre-operative isokinetic testing does not predict long-term outcome of surgery in patients with rotator cuff rupture <i>Höfling Imke (Finland), Thorwesten L., Väättäinen U., Sipola P., Niemitukia Lea, Kröger H.</i>	
P15-451	The influence of ultrasound-guidance in the rate of success of acromioclavicular joint injection <i>Borbas P. (Austria), Kraus Tanja, Clement H., Grechenig W., Weinberg Annelie Martina, Heidari N.</i>	

Timetables

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Posters

POSTER EXHIBITION

P15 SHOULDER

- | | | |
|--|---------|--|
| | P15-460 | Primary stability of a new ultrasound assisted suture anchor system for rotator cuff reconstruction in comparison to the primary stability an established benchmark suture anchor system in osteopenic and healthy human humeri
<i>Mayer J. (Germany) , Gülecü M., Pietschmann M., Schröder C., Müller P.</i> |
| | P15-467 | The clinical and radiographical results of reverse total shoulder arthroplasty with eccentric glenosphere
<i>Mizuno Naoko (Japan), Walch G.</i> |
| | P15-531 | The feasibility and results of arthroscopic removal of proximal humeral locking plates and glenohumeral arthrolysis after proximal humeral fractures
<i>Maqdes A. (France), Levy B., Bauer T., Hardy P.</i> |
| | P15-558 | Margin convergence revisit: arthroscopic partial repair of irreparable large to massive rotator cuff tears
<i>Chun Y. (South Korea (ROK)), Kim S.</i> |
| | P15-572 | Evaluation of arthroscopic subacromial decompression using a 2-portal technique
<i>Marican M. (Singapore), Lim L., Tan A.</i> |
| | P15-579 | Locked plate fixation of proximal humerus fractures with and without the medial humeral calcar: a biomechanical evaluation
<i>Safran M. (United States), Abrams G., Lindsey D., Cheung E., Giori N.</i> |
| | P15-599 | Outcome of a partial cap resurfacing implant for humeral head defects in patients with shoulder instability
<i>Frisch N. (United States), Kodali P., Miniaci A., Jones M.</i> |
| | P15-681 | The applicability of rigid intramedullary devices for clavicle midshaft fractures fracture fixation
<i>Kaminen S. (United States), Bachoura A.</i> |
| | P15-701 | Predictors of success of nonoperative treatment for full-thickness rotator cuff tears: a multicenter cohort study
<i>Dunn W. (United States), Kuhn J.</i> |
| | P15-757 | Injury of the suprascapular nerve during Latarjet procedure: an anatomic study
<i>Lädermann A. (Switzerland), Denard P., Burkhart S.</i> |

P15 SHOULDER

P15 SHOULDER

P15-780	Retrospective comparison of arthroscopic, mini-open and open rotator cuff repair by clinical, radiological and biomechanical measures <i>Lubiatowski P. (Poland), Kaczmarek P., Ogrodowicz P., Breborowicz M., Dziaanach M., Romanowski L.</i>	
P15-833	Single row vs. double row arthroscopic rotator cuff repair: Clinical and 3 Tesla MR arthrography results: A retrospective study <i>Bisicchia S. (Italy), Tudisco C., Savarese E., Fiori R., Bartolucci D., Masala S.</i>	
P15-840	Real-time sonoelastography of the rotator cuff <i>Bisicchia S. (Italy), Tudisco C., Stefanini M., Antonicoli M., Simonetti G.</i>	
P15-871	Subscapularis tear, its modified lafosse classification and its arthroscopic repair <i>Sharma V. (India), Babhulkar A.</i>	
P15-900	The possibility of supraspinatus and infraspinatus separation and suture in cases of massive rotator cuff tears <i>Komatsu T. (Japan), Hayashi Y., Takeda O., Akita M., Iwasaki T., Ito J.</i>	
P15-976	Mid-term outcome of arthroscopic revision repair of massive and non-massive rotator cuff tears <i>Lädermann A. (Switzerland), Denard P., Burkhart S.</i>	
P15-1015	Ultrasound-guided percutaneous needle aspiration of rotator cuff calcifications: A new technique <i>Ciampi P. (Italy), Scotti C., Peretti G., Frascini G.</i>	
P15-1025	The importance of early passive motion in shoulder rehabilitation after arthroscopic rotator cuff repair <i>Akme R. (Turkey), Ilkeryildiz K., Tecimel O., Bilgetekin Y., Ort Ç., Bozkurt M.</i>	
P15-1109	Intrateser and intertester reliability of the cuffmeter: new device for rotator cuff thickness measurements <i>Franceschi F. (Italy), Papalia R., Vasta S., Palumbo A., Maffulli N., Denaro V.</i>	
P15-1151	Effectiveness of the hyaluronic acid in the different stages of the evolutive cuff pathology: a perspective study <i>Busilacchi A. (Italy), Enea D., Cecconi S., Gigante A.</i>	
P15-1156	Early recovery from rotator cuff surgery may incite an increased likelihood of re-tear: compliance may be the critical issue <i>Haber M. (Australia)</i>	

Timetables

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Posters

POSTER EXHIBITION

P15 SHOULDER

- | | |
|----------|---|
| P15-1195 | The postoperative results of arthroscopic HAGL repairs for anterior shoulder instabilities
<i>Kobayashi T. (Japan)</i> |
| P15-1201 | Minimally invasive coracoclavicular stabilization with double augmentation for acute acromioclavicular dislocation
<i>Choi S. (South Korea (ROK)), Kim M., Nam K., Kang H.</i> |
| P15-1204 | Evaluation of current biologic carriers for mesenchymal stem cell application in rotator cuff surgery
<i>Beitzel K. (Germany), McCarthy Mary Beth, Russell R., Edgar C., Arciero R., Mazzocca A.</i> |
| P15-1215 | Functional effectiveness of arthroscopic rotator cuff repair in the elderly
<i>Antonogiannakis E. (Greece), Tsiampa Vassiliki, Arealis G., Mataragas E., Stamatakis G.</i> |
| P15-1221 | Folding-unfolding of the anterior shoulder capsule as an indicator of glenohumeral ligament tension: analysis of stable, unstable and frozen shoulders
<i>Pouliart Nicole (Belgium)</i> |
| P15-1230 | Correlation of clinical and structural outcomes after arthroscopic rotator cuff repair with suture bridge technique
<i>Choi S. (South Korea (ROK)), Kim G., Nam K., Kim M.</i> |
| P15-1285 | Simultaneous Bankart and rotator cuff repair for anterior shoulder instability with Bankart lesion and rotator cuff tear
<i>Saji T. (Japan), Sano T., Matsuoka H.</i> |
| P15-1292 | Surgical treatment of chronic acromionclavicular dislocations: Comparison of two surgical techniques
<i>Ciampi P. (Italy), Scotti C., Peretti G., Fraschini G.</i> |
| P15-1322 | Cost-effectiveness of rotator cuff repair surgery
<i>von Keudell A. (United States), Higgins L., Warner J., Jain N.</i> |
| P15-1329 | Inter-observer reliability of the Sugaya's classification to assess structural integrity of rotator cuff after arthroscopic repair
<i>Saccomanno Maristella (Italy), Deriu Laura, Careri Silvia, De Ieso C., Fabbriani C., Milano G.</i> |

P15 SHOULDER

P15 SHOULDER

P15-1335	Functional outcome after arthroscopic rotator cuff repair in the elderly <i>Antonogiannakis M. (Greece), Tsiampa Vassiliki, Arealis G., Mataragas E., Hiotis I.</i>
P15-1399	Throwing sport improves shoulder proprioception <i>Lubiatowski P. (Poland), Kaczmarek P., Wojtaszek M., Dudzinski W., Nowak M., Romanowski L.</i>
P15-1436	The efficacy of two different patches for rotator cuff repair <i>Ciampi P. (Italy), Scotti C., Peretti G., Vitali M., Fraschini G.</i>
P15-1453	Do microfractures influence recovery after rotator cuff repair? A randomized controlled study <i>Osti L. (Italy), Papalia R., Del Buono A., Maffulli N., Denaro V.</i>
P15-1457	Glenohumeral osteoarthritis after arthroscopic Bankart repair for anterior instability <i>Franceschi F. (Italy), Papalia R., Del Buono A., Rizzello G., Maffulli N., Denaro V.</i>
P15-1495	The Arthroscopic Bone Needle. A new, safe and cost-effective technique for rotator cuff repair <i>Haag M. (Germany), Frick H., Volz M., Stehle J.</i>
P15-1501	Translation and cultural adaptation of the American shoulder and elbow surgeons standardised shoulder assessment form (ASES) for evaluation of shoulder function to the Turkish language <i>Celik D. (Turkey), Atalar A., Demirhan M., Dirican A.</i>
P15-1517	Radiologic comparative analysis of anatomical bony reconstruction after total shoulder arthroplasty; interest of a neck osteotomy with a fixed angulation of 135° – A serie of 64 cases <i>Gleyze P. (France), Elkothe K., Kany J., Katz D., Sauzieres P., Valenti P.</i>
P15-1518	Lack of active external rotation and massive cuff tear: assessment and therapeutic options: retrospective review of 20 cases <i>Valenti P. (France), Gleyze P., Boughebri O., Kilinc A.</i>
P15-1520	Management of stiff shoulder: A prospective multicenter comparative study of 6 major techniques used, about 235 cases <i>Gleyze P. (France), Clavert P., Benkalfate T., Charousset C., Flurin P., Georges T., Hardy P., Hubert L., Joudet T., Katz D., Lafosse L., Laprelle E., Levigne C., Solignac N., Toussaint B.</i>

Timetables

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POSTER EXHIBITION

P16

ELBOW/HAND

- | | |
|----------|--|
| P16-29 | Surgical treatment with suture-bridge or double row in triceps avulsion
<i>Valencia-García H. (Spain), Lopez-Hualda A., Egea-Gamez Rosa M, González-Onandía P., Fahandezh-Saddi H., Moreno- Coronas F.</i> |
| P16-307 | Complications associated with single-incision distal biceps tendon repair
<i>Bisson L. (United States), Gawai Y., Wind W., Fineberg M.</i> |
| P16-356 | Effect of hot and cold applications on elbow proprioception
<i>Kaynak H. (Turkey), Altun M., Unal M., Ozer M., Akseki D.</i> |
| P16-586 | Investigation of radioulnocarpal joint load distribution effects of radial shortening osteotomy for the treatment of Kienböck disease: a biomechanical study
<i>Turan A. (Turkey), Uzun B., Unal M., Uyulgan B., Unver B., Gunal I.</i> |
| P16-611 | Intraoperative carpal tunnel pressure in carpal tunnel release: comparison of endoscopic and open methods
<i>Ejiri S. (Japan), Konno S.</i> |
| P16-693 | Three dimensional analysis of the insertional footprints of the triceps brachii
<i>Kamineni S. (United States), Bachoura A., Sasaki K.</i> |
| P16-1104 | Positive effects of Autologous Conditioned Plasma (ACP) on the healing of uman epicondylitis
<i>Pütz O. (Germany), Klein P., Dewitz H., Schäferhoff P.</i> |
| P16-1326 | Histological and biochemical analysis of collagen types I and III in transverse carpal ligament in patients with carpal tunnel syndrome (CTS)
<i>Kunamneni A. (United States), Sasaki K., Sinai A., Kamineni S.</i> |
| P16-1354 | Treatment of mild and advanced cases of elbow OA with arthroscopic debridement and intra-articular hyaluronic acid injections
<i>Kamineni S. (United States), Patten D., Wani Z., Yoshida Ruriko</i> |
| P16-1362 | A normalised parameter for the localisation if the radial nerve (PIN) in the proximal forearm
<i>Norgren Crystal (United States), Davidson E., Ruriko Yoshida, Deane A., Kamineni S.</i> |
| P16-1369 | Rupture of the distal triceps brachii tendon – case report
<i>Geada N. (Portugal), Canilho B., Lança N., Mota B., Barroso R.</i> |
| P16-1480 | Evaluation of biochemical alterations of collagen types I and III expression in elbow capsule following trauma
<i>Kunamneni A. (United States), Sasaki K., Sinai A., Kamineni S.</i> |

P16 ELBOW/HAND + P17 PELVIS-GROIN

P17 PELVIS-GROIN

	The role of intra-articular infusion of long lasting steroids and hyaluronic acid in conservative treatment of degenerative labral tears of the hip joint	
P17-60	<i>Tzoanos G. (Greece), Manidakis N., Koutroumpas I., Tsavalas N., Katonis P., Karantanas A.</i>	
	Outcome of adductor tenotomy as treatment for chronic groin pain in professional male soccer players	
P17-95	<i>Massada Marta (Portugal), Sousa R., Pereira A., Massada L.</i>	
	Return to sport following Total Hip Arthroplasty (THA): Do we all agree?	
P17-194	<i>Kaplan Y. (Israel)</i>	
	Nerve injury after hip arthroscopy with labral repair, a prospective cohort study – is there a learning curve?	
P17-532	<i>Dippmann C. (Denmark), Kraemer O., Winge S., Hölmich P.</i>	
	Active and passive pain coping strategies before hip school – a descriptive cross sectional study	
P17-597	<i>Hansson Magdalena (Sweden), Klässbo Maria</i>	
	Endoscopic treatment of the external snapping hip syndrome – new surgical technique	
P17-787	<i>Kunac N. (Croatia), Medanic N., Starcevic D., Tršek D., Hašpl M.</i>	
	Arthroscopic repair versus debridement in Asian hip labrum tear	
P17-844	<i>Park S. (South Korea (ROK)), Kim S.</i>	
	Septic arthritis of the adult hip – Arthroscopic management	
P17-942	<i>Hufeland M. (Germany), Haas N., Schröder J.</i>	
	Reachability of extraarticular pathologies of iliopsoas tendon and bursitis of greater trochanter in hip arthroscopy – a cadaver study	
P17-987	<i>Thorey F. (Germany), Budde S., Ettinger M., Albrecht U., Ezechieli M.</i>	
	Clinical results after arthroscopical treatment of Cam impingement	
P17-994	<i>Thorey F. (Germany), Lerch M., Ettinger M., Ezechieli M., Budde S.</i>	
	Hip arthroscopy in the dysplastic hip	
P17-998	<i>Lund B. (Denmark), Christiansen S., Nielsen T., Vinter M., Søballe K., Lind M.</i>	

Timetables

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Posters

POSTER EXHIBITION

P17

PELVIS-GROIN

- Arthroscopical treatment of acetabular labral tear: an analysis of 262 patients**
P17-1001 *Thorey F. (Germany), Budde S., Ezechieli M., Ettinger M., Lerch M.*
- The bleeding pelvic fracture: Predictors for angiographic evaluation**
P17-1121 *Vellasamy A. (Singapore), Hussein F., Vaarun B., Zhu R., Aris I.*
- Do we need a new method to assess femoral head deformity on plain radiographs?**
P17-1174 *Erquicia J. (Spain), Gelber P., Pelfort X., Tey M., Monllau J., Ormazabal Inmaculada*
- Risk of sciatic nerve traction injury during hip arthroscopy – is it the amount or duration? An intra-operative nerve monitoring study**
P17-1179 *Safran M. (United States), Telleria Jessica, Glick J.*
- All-arthroscopic labral reconstruction in the hip by use of collagen scaffold – operative technique and early results**
P17-1236 *Piontek T. (Poland), Cierniewska-Gorzela Kinga, Szulc A., Naczek J.*
- Modified Thomas' test for measuring the fixed flexion deformity of the hip**
P17-1241 *Ling M. (Singapore)*
- The effect of hydrotherapy on the return to sports following hip arthroscopy in athletes**
P17-1365 *Dimitrakopoulou Alexandra (United Kingdom), Schilders E.*
- Hip arthroscopy for labral tears in acetabular dysplasia; the role of the tonnis angle**
P17-1475 *Dimitrakopoulou Alexandra (United Kingdom), Schilders E.*

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		Anterior cruciate ligament reconstruction surgery and osteoarthritis; primary reconstructions versus revision reconstructions using allograft material	
P18-73		<i>Kievit A. (Netherlands), Jonkers F., Barentsz J., Blankevoort L.</i>	
		Anatomical evaluation of quadriceps tendon: Application for the ACL graft	
P18-90		<i>Iriuchishima T. (Japan), Shirakura K., Fu F.</i>	
		Analysis of tunnel widening after double-bundle ACL reconstruction with an outside-in femoral tunnel formation: a study using a remodeled MRI with a tunnel direction	
P18-137		<i>Lee Beom Koo (South Korea (ROK)), Lee Y., Sim J., Kwak J., Nam S.</i>	
		Anatomy of the Anterior Cruciate Ligament related to hamstrings tendons grafts. A cadaveric study	
P18-222		<i>Pujol N. (France), Boisrenoult P., Beaufils P.</i>	
		A prospective study of the association between bone bruising and intra-articular injuries associated with acute ACL tear	
P18-313		<i>Bisson L. (United States), Marzo J., Kluczynski Melissa, Buyea Cathy</i>	
		ACL double bundle linked cortical-aperture tibial fixation: An in vitro biomechanical study	
P18-410		<i>Nyland J. (United States), McGinnis M., Lee Yee Han D., Kibbe S., Burden R., Caborn D.</i>	
		Analysis of anterior tibial subluxation to femur at maximum extension in anterior cruciate ligament-deficient knees	
P18-435		<i>Kuroda R. (Japan), Araki D., Sasaki H., Matsushita T., Kubo S., Kurosaka M.</i>	
		A biomechanical analysis of suture to tendon attachment techniques used during ligament reconstruction	
P18-483		<i>Bradley B. (United Kingdom), Walter R., Isaac D., Hockings M.</i>	
		Anatomic transtibial ACL reconstruction: effect of tunnel placement, size and reamer characteristics	
P18-530		<i>Verma N. (United States), Bhatia S., Korth K., Gupta Deepti, Cole B., Bach B.</i>	
		Anterior cruciate ligament injury related to physical education	
P18-550		<i>Sasaki S. (Japan), Ishibashi Y., Tsuda E., Yamamoto Y., Kimura Yuka, Fujita Yuki</i>	

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| P18-591 | Anatomic anterior cruciate ligament reconstruction with curved guides and flexible reamers. Surgical technique
<i>Ruiz-Iban M. (Spain), Diaz Heredia J., Gomez Santos Helena, Cebreiro I., Garcia Cabezueta Patricia, Moreno Quintanilla Isabel</i> |
| P18-622 | Arthroscopic treatment for avulsion fracture of the anterior cruciate ligament in seven children, with the arthroscopic pull-out fixation
<i>Ohashi Y. (Japan), Toratani T., Kosaka M., Nakase J.</i> |
| P18-708 | Bespoke anatomic ACL reconstruction. individualized femoral tunnel placement guided by intercondylar notch ridge anatomy – a 3D CT study
<i>Robinson J. (United Kingdom), Porteous A.</i> |
| P18-766 | Autologous platelet-rich plasma promoted proliferation of synovial fluid mesenchymal stem cells in alginate hydrogel
<i>Tang H. (Taiwan), Chen C.</i> |
| P18-806 | Arthroscopic primary anatomic anterior cruciate ligament reconstruction using patellar tendon autograft – a retrospective study with more than 15 years of follow-up
<i>Mogos S. (Romania), Fayard J., Sonnerly-Cottet B., Chambat P.</i> |
| P18-821 | Anterior cruciate ligament femoral tunnel drilling anteromedial portal: 3-Dimensional plane drill angle affects tunnel length relative to notchplasty
<i>Hwang S. (South Korea (ROK)), Fu F.</i> |
| P18-859 | A new design femoral fixation device for anterior cruciate ligament reconstruction – mechanical evaluation and comparison
<i>Chen L. (Taiwan), Chen C.</i> |
| P18-913 | Anterior cruciate ligament (ACL) reconstruction using a quadriceps tendon autograft and press-fit fixation has equivalent results compared to a standard technique using semitendinosus graft – a prospective matched-pair analysis after one year
<i>Hoeher J. (Germany), Balke M., Albers M., Helm P., Bouillon B., Akoto R.</i> |
| P18-914 | Anatomical ACL reconstruction – single bundle quadriceps vs. double bundle hamstring
<i>Lee S. (South Korea (ROK)), Lee M., Lee J., Jang J., Chun S., Seong S.</i> |
| P18-953 | Anterior cruciate ligament reconstruction: Soft tissue Vs BTB
<i>Predescu V. (Romania), Georgeanu V., Prescura C., Cristea S.</i> |

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P18-974	Anatomical double bundle ACL reconstruction – transtibial versus anteromedial targeting of the femoral tunnels <i>Zeman P. (Czech Republic), Nepras P., Koudela K.</i>	
P18-979	Biomechanical comparison of ACL reconstruction femoral anchors using a novel test method <i>Hohman Jr D. (United States), Ehrensburger M., Bisson L.</i>	
P18-992	A comparison of patellatendon v. quadricepstendon in anterior cruciate ligament reconstruction – a prospective and randomized study <i>Lund B. (Denmark), Christiansen S., Nielsen T., Faunoe P., Lind M.</i>	
P18-1018	ACL reconstruction: clinicals results using hamstring vs. allograft <i>Furlan E. (Italy), Baldan Simona, Rovini A., Nardacchione R.</i>	
P18-1055	A prospective study of 100 double bundle ACL reconstructions: Our technique with hybrid fixation and its results <i>Goyal A. (India), Chaudhary D., Joshi D., Bahl V.</i>	
P18-1084	Anatomic anterior cruciate ligament reconstruction: 3D CT analysis and clinical results of mid bundle tunnel positions determined by the ruler technique [*] <i>Getgood A. (United Kingdom), Spencer S., Bird J., Carmont M., Thompson P., Spalding T.</i>	
P18-1157	Selective posterolateral bundle augmentation in ACL tears: MRI and clinical evaluation of a series of 40 patients with a mean 24 months follow-up <i>Sonnery-Cottet B. (France), Zayni R., Archbold P., Carillon Y., Clechet J., Chambat P.</i>	
P18-1271	ACL RI-reconstruction with fresh-frozen tendon allograft: Clinical outcomes at six years follow-up <i>Corradini C. (Italy), Bottiglia Amici Grossi P., Ventura A., Macchi V., Malagoli E., Verdoia C.</i>	
P18-1318	Biomechanic testing of the porcine triple bundle anterior cruciate ligament <i>Pinto M. (United States), Protta T., Tantisricharoenkul G., Smolinski P., Fu F.</i>	

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- A pilot study on the ability of an unloading brace to reduce the risk of ACL injury**
P18-1356 *Nicholls M. (Iceland), Briem Kristin*
- Augmentation of anterior cruciate ligament after partial tears**
P18-1392 *Iosifidis M. (Greece), Melas I., Kyriakidis T., Kyriakidis A.*
- Arthroscopic-assisted Fixation of anterior cruciate ligament avulsion (tibial eminence fractures) in adults**
P18-1422 *Fehske K. (Germany), Weißer C., Ziai P., Meffert R.*
- Anterior cruciate ligament revision reconstruction with MacIntosh procedure using the fascia lata**
P18-1446 *Arndt J. (France), Ducrot G., Londero A., Jaeger J.*

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- Double bundle anterior cruciate ligament reconstruction; not for all; An MRI study**
P19-46 *Tzoanos G. (Greece), Ntaliani Aikaterini, Manidakis N., Tsavalas N., Katonis P., Karantanas A.*
- Double bundle anterior cruciate ligament reconstruction using bone-patellar tendon-bone and gracilis composite graft: Minimum 2 years follow-up**
P19-59 *Tajima T. (Japan), Chosa E., Yamamoto K., Kawahara K., Yamaguchi Nami*
- Chlorhexidine gluconate cleansing has no effect on the structural properties of human patellar tendon allografts**
P19-62 *Hohman D. (United States), Sobel A., Bisson L., Jones J.*
- Clinical and radiological accuracy in the diagnosis of reattached ACL ruptures**
P19-75 *Al-Dadah O. (United Kingdom), Dhillon Ajit, Servant C.*
- Biomechanical comparison of tibial eminence fracture fixation with high-strength suture, endobutton, and suture anchor**
P19-93 *Hapa O. (Turkey), Barber A., Ozden R., Bozdog E., Sunbuloglu E., Dogramaci Y.*
- Comparison of tunnel placements and clinical results of single-bundle anterior cruciate ligament reconstruction before and after starting the use of double-bundle technique**
P19-114 *Suomalainen Piia (Finland), Moisala Anna-Stina, Paakkala A., Kannus P., Järvelä T.*

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	Correlation between tibial guidewire position on intraoperative X-ray and intraoperative tibial bone tunnel communication in double-bundle anterior cruciate ligament reconstruction	
P19-117	Hara Y. (Japan), Tomihara T., Yoshida G., Hashimoto Y., Shimada N.	
	Comparison of tunnel locations of double bundle ACL reconstruction created by conventional transtibial technique with anatomic tunnel locations using a 3-D CT model	
P19-134	Lee Beom Koo (South Korea (ROK)), Lee Y., Sim J., Kwak J., Nam S.	
	Comparative analysis of femoral tunnels between outside-in and transtibial double bundle ACL reconstruction: A 3-dimensional computed tomography study	
P19-136	Lee Beom Koo (South Korea (ROK)), Lee Y., Sim J., Kwak J., Nam S.	
	Determining factors influencing the angle between the intra-articular part of an ACL graft and the tibial tunnel: A pilot study	
P19-159	Van der Bracht H. (Belgium), Stuyts B., Page B., Bellemans J., Verdonk P.	
	Double bundle reconstruction of anterior cruciate ligament with a femoral fixation device	
P19-176	Hiranaka T. (Japan)	
	Comparison of femoral bone tunnel communication after ACL double bundle reconstruction: Outside-in vs inside-out technique	
P19-246	Tomihara T. (Japan), Yoshida G., Hara Y., Taniuchi M., Shimada N.	
	Complex regional pain syndrome type I post reconstruction of anterior cruciate ligament – treatment with percutaneous radiofrequency	
P19-268	Santos Assis de Melo N. (Brazil), Dias Assis F., de Oliveira Neri I., Pidner Neto H., Santos Duarte Lana J.	
	CT and MRI controlled prospective evaluation of bovine bone interference screws for ACL-reconstruction using BPTB-graft	
P19-279	Tecklenburg Katja (Germany), Burkart P., Friederich N., Fink C.	
	Effect of gamma radiation and freeze drying on the maximum tensile strength of the Demineralised Cortical Bone	
P19-317	Elnikety S. (United Kingdom), Bendegross Catherine, Blunn G.	

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- Computer-assisted navigation for acl reconstruction: a randomized comparative study between the performance of the femoral tunnel in a transtibial or anteromedial way
P19-323 *Minguell J. (Spain), Castellet E., Cortina J., Nardi J., Caceres E., Carrera L.*
- Comparison of clinical results according to amount of remnant in anterior cruciate ligament reconstruction using anterior tibialis tendon allograft
P19-330 *Lee S. (South Korea (ROK)), Lee J., Choi C.*
- CT scan evaluation of the tunnel positioning in ACL reconstruction using an "Outside in" femoral guide with reversed arthroscopic portals and an ACL tibial stump preserving procedure
P19-337 *Buscayret F. (France), Sonnery-Cottet B., Barth J., Graveleau N., Chambat P.*
- Double-bundle versus single-bundle ACL reconstruction: prospective, randomized study with 5-year clinical results
P19-385 *Suomalainen Piia (Finland), Järvelä T., Järvinen M.*
- Comparison of femoral graft bending angle and tunnel length between transtibial technique and transportal technique in anterior cruciate ligament reconstruction: an in vivo Imaging analysis using three dimensional-computed tomography (3D-CT)
P19-493 *Wang J. (South Korea (ROK)), Kim J., Lim H., Ahn J., Kim H., Bae J.*
- Development of a virtual three-dimensional kinematic model of the human knee joint
P19-511 *Rochcongar G. (France), Geais L., Potel J., Beaufils P., Hulet C., Seil R.*
- Clinical outcome after oval revision ACL reconstruction surgery using autologous hamstring tendon grafts
P19-524 *Pütz O. (Germany), Schäferhoff P., Klein P., Böttenberg B., Säugling M., Dewitz H.*
- Comparison of tunnel widening after single-bundle and anatomic double-bundle ACL reconstruction
P19-527 *Achtnich Andrea (Germany), Forkel P., Metzlaß S., Lopez Hänninen E., Petersen W.*
- Clinical and functional outcomes after an accelerated rehabilitation program following single-bundle ACL reconstruction with hamstring autograft
P19-541 *Hernan Prado M. (Spain), Diez Ramos Maria Fuencisla, Perez Moro Olga Susana, Llopis Miró R.*
- Does pressfit technique reduce femoral tunnel enlargement in ACL reconstruction using autologous hamstring tendons? A prospective randomized CT study
P19-562 *Nha K. (South Korea (ROK)), Kim J., Kwon J., Lee H., Jang B.*

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	Bundle specific injury patterns of anterior cruciate ligament: value of MR imaging	
P19-571	Choi J. (South Korea (ROK)), Chang C., Chang M., Kim T.	
	Changes in bone tunnels in flexion MR imaging during the early postoperative period after anterior cruciate ligament reconstruction	
P19-602	Nakase J. (Japan), Kitaoka K., Toratani T., Kosaka M., Ohashi Y., Tsuchiya H.	
	Bone density comparison at the femoral attachment in the acute and chronic anterior cruciate ligament injured knee	
P19-715	Yamasaki S. (Japan), Hashimoto Y., Takigami J., Nakamura H.	
	Defining chronicity in an ACL deficient knee: When is a knee with an acutely torn ACL no longer "acute"?	
P19-782	Kaeding C. (United States), Pedroza Angela, Flanigan D.	
	Bone tunnel enlargement following anterior cruciate ligament reconstruction with hamstrings tendons. A comparative study of three different techniques	
P19-842	Apostolopoulos I. (Greece), Tsolos I., Andreacos A., Tsiplakou Sofia, Staikidou Ioanna, Giannikouris G.	
	Differences between awake and anesthetized patients in knee kinematics during the pivot-shift test for anterior cruciate ligament deficiency	
P19-881	Oka S. (Japan), Kuroda R., Matsushita T., Kubo S., Nagamune K., Kurosaka M.	
	Degenerative changes after ACL reconstruction in relation to tunnel position	
P19-917	van Dijck R. (Netherlands), Saris D., van Ommeren J., Enneking T., Fievez A.	
	Comparisons of static and dynamic tibial translation between children and adults and between sexes	
P19-984	Tagesson Sofi (Sweden), Witvrouw E., Hesar Narmin, Kvist Joanna	
	Comparative study of double bundle techniques used in ACL reconstruction	
P19-1004	Maestro A. (Spain), Fernandez Lombardia J., Guerrero A., Jorge J., Rodriguez L.	
	Comparative study of femoral fragility after SB or DB techniques used in ACL reconstruction	
P19-1008	Maestro A. (Spain), Fernandez Lombardia J., Guerrero A., Jorge J., Rodriguez L.	

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- Clinical outcome measures in anterior cruciate ligament surgery:
Clinician vs patient completed knee scores**
P19-1019 *Al-Dadah O. (United Kingdom), Shepstone L., Donell S.*
- Carioca and co-contraction tests can be effective predictors of returning
to sports after anterior cruciate ligament reconstruction**
P19-1139 *Jang S. (South Korea (ROK)), Kim J., Ha J.*
- Correlation between remnant type of the ACL and proprioception in the
knee**
P19-1146 *Mammoto T. (Japan), Hirano A.*
- Bone-patella-tendon-bone autografts vs iliotibial band autograft for
ACL-reconstruction: a 15-year follow-up of a prospective randomized
controlled trial**
P19-1155 *Hölmich P. (Denmark), Stensbirk F., Thorborg K., Konradsen L.*
- Biomechanical insights of a standardized pivot-shift maneuver:
An in-vitro multi-tester study**
P19-1162 *Lopomo N. (Italy), Musahl V., Hoshino Y., Ahldén M., Fu F., Zaffagnini S.*
- Comparison of ST/G and BPTB grafts in ACL reconstruction, results
from the Danish registry of knee ligament reconstruction**
P19-1259 *Wagner Lene (Denmark), Thillemann T., Pedersen Alma, Lind M.*
- Can the single leg hop test identify neuromuscular and biomechanical
asymmetries in ACL reconstructed patients?**
P19-1317 *Xergia Sofia (Greece), Pappas E., Zampeli Franceska, Georgiou S., Georgoulis A.*
- Double bundle three tunnels ACL reconstruction**
P19-1364 *Maestro A. (Spain), Fernandez Lombardia J., Rodriguez L., Garcia P.,
Meana Ana Rosa*
- Double-bundle anterior cruciate ligament reconstruction:
a comparative cadaver study of femoral tunnels performed with in-out
and out-in techniques**
P19-1421 *Ronga M. (Italy), Punzetto P., Callegari L., Genovese E., Fu F., Pederzini L.*
- Can bone dowel prevent tibial tunnel enlargement in
ACL reconstruction?**
P19-1461 *Silva A. (Portugal), Sampaio R.*

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- Clinical and radiological outcome of a simple and innovative technique for arthroscopic tibial spine avulsion fixation
- P19-1507 Pandey V. (India), Acharya K., Sripathi Rao P., Rao S.

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- Femoral tunnel widening after hamstring anterior cruciate ligament reconstruction with bioabsorbable Cross-Pin
- P20-42 Choi N. (South Korea (ROK)), Jung Y., Oh J.
- Intercondylar roof impingement in the anatomical double bundle ACL reconstruction: in vitro and in vivo studies
- P20-89 Iriuchishima T. (Japan), Shirakura K., Fu F.
- Kinematic characteristics of the chronical anterior cruciate ligament-deficient knee during in gait
- P20-92 Zhou J. (China), Li G., Li F.
- Immunohistological evaluation of the proprioceptive potential of the residual stump of an injured anterior cruciate ligament
- P20-126 Bali K. (India)
- Evaluation of outcomes in conservatively managed concomitant Type A and B posterolateral corner injuries in ACL deficient patients undergoing ACL reconstruction
- P20-127 Bali K. (India)
- Failure of a polyethylene terephthalate ligament used in cruciate ligament reconstruction: a case series
- P20-174 Melton J. (Australia), Wood D., Roe J., Caldwell B., Cross M., Pinczewski L.
- Identifying individuals with an anterior cruciate ligament deficient knee as copers and non-copers: A narrative literature review
- P20-190 Kaplan Y. (Israel)
- Knee proprioception in the ACL injury risk position
- P20-245 Mir S. (Iran), Talebian S., Nasseri Nasrin
- Interference screw fixation of soft tissue tendon grafts in the tibial tunnel: an in situ comparison of composite interference screws
- P20-409 Nyland J. (United States), Krupp R., Greene J., Bowles R., Burden R., Caborn D.

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- P20-472 Knee function following non-operative treatment after anterior cruciate ligament injury in skeletally immature children. A prospective cohort study
Moksnes H. (Norway), Engebretsen L., Risberg May Arna
- P20-477 Improved morphological outcomes after ACL reconstruction with quadrupled hamstrings grafts and additional bone plug augmentation at 5-year follow-up
Nebelung S. (Germany), Deitmer G., Gebing R., Reichwein F., Nebelung W.
- P20-488 Is femoral tunnel length correlated with geometry of the intercondylar notch and femoral condyle after double bundle ACL reconstruction using the transportal technique? An in vivo imaging analysis using computed tomography
Kim J. (South Korea (ROK)), Wang J., Lim H., Ahn J., Kim H., Bae J.
- P20-489 Inaccuracy of intraoperative femoral tunnel length measurement: comparison between transportal and outside-in techniques after double bundle anterior cruciate ligament reconstruction with an in vivo imaging analysis using 3D-CT
Wang J. (South Korea (ROK)), Kim J., Ahn J., Lim H., Kim H., Bae J.
- P20-552 Histological analysis on the tendon-to-bone healing utilizing bone marrow-derived MSCs in ACL reconstruction model without a tibial bone tunnel
Kanazawa T. (Japan), Soejima T., Noguchi K., Tabuchi K., Noyama Megumi, Nagata K.
- P20-585 Knee stability, athletic performance and sport-specific tasks in non-professional soccer players after ACL reconstruction: comparing trans-tibial and antero-medial portal techniques
Bisicchia S. (Italy), Tudisco C., Chiozzi Federica, Piva M.
- P20-603 Incidence and risk factors of graft failure in double-bundle anterior cruciate ligament reconstruction
Tsuda E. (Japan), Ishibashi Y., Yamamoto Y., Maeda S., Kimura Yuka, Sasaki S.
- P20-647 Hip acetabular dysplasia and joint laxity of female anterior cruciate ligament-injured patients
Yamazaki J. (Norway), Muneta T., Sekiya I., Ju Y., Koga H.
- P20-658 Factors contributing to quadriceps muscle weakness after ACL reconstruction
Item Julia (Switzerland), Casartelli Nicola, Bizzini M., Maffiuletti N.
- P20-689 Functional outcome after transphyseal ACL reconstruction in children
Holwein C. (Germany), Hinterwimmer S., Mayr H., Brucker P., Münch E., Imhoff A.

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P20-741	Finite element analysis of graft positions in ACL reconstruction <i>Smolinski P. (United States), Kramer S., Fu F.</i>	
P20-769	Flexible instruments outperform rigid instruments to place anatomic ACL femoral tunnels without hyperflexion <i>Steiner M. (United States), Smart R.</i>	Timetables
P20-790	Effects of stiff and soft landing techniques on knee loading during a modified single-leg cross-over hop <i>Benjaminse Anne (Netherlands), Gokeler A., Otten B.</i>	
P20-791	Graft failure after primary ACL reconstruction: an analysis of time to failure <i>Kaeding C. (United States), Schroeder M., Pedroza Angela</i>	Wednesday
P20-795	Kinematics of single-bundle and double-bundle ACL reconstruction in medial meniscus-deficient knees using a porcine model <i>Smolinski P. (United States), Zhou J., Tantisrichaenkul G., Chen L., Linde-Rosen Monica, Fu F.</i>	
P20-797	Femoral tunnel drilling during ACL reconstruction: evaluation of the tunnel characteristics using either flexible-or straight reamers through an anteromedial portal <i>Christel P. (Saudi Arabia), Clancy Jr W., Anne F., Appleby D.</i>	Thursday
P20-805	Effects of anatomic and non anatomic partial anterior cruciate ligament augmentation on knee rotational stability in a porcine model <i>Smolinski P. (United States), Yapici C., Keklikci K., Kim D., Linde-Rosen Monica, Fu F.</i>	
P20-822	Efficacy of the bone tunnel evaluation by CT for ACL revision surgery <i>Hashimoto Y. (Japan), Yamasaki S., Hara Y., Takigami J., Tomihara T., Nakamura H.</i>	Friday
P20-824	Higher bone mineral density of femoral insertion site of ACL than that of non-insertion site <i>Hashimoto Y. (Japan), Yamasaki S., Takigami J., Hara Y., Tomihara T., Hiroaki N.</i>	
P20-825	Effect of notchplasty in anterior cruciate ligament reconstruction: A biomechanical study in porcine knees <i>Keklikci K. (Turkey), Yapici C., Kim D., Linde-Rosen Monica, Smolinski P., Fu F.</i>	Saturday
P20-862	Histological study of the posterolateral bundle after a partial tear of the anterior cruciate ligament <i>Pujol N. (France), Bazille Celine, Hulet C., Colombet P., Djian P.</i>	Posters

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| P20-901 | Elongations and yield loads of four tibial fixation systems. Comparative analysis in hamstring ACL reconstruction
<i>Robert H. (France), Collette M., Lanternier H., Cassard X., Bowen M., De Polignac T.</i> |
| P20-922 | Histological basis for improving outcome after anatomic acl reconstruction by preserving the remnant stump
<i>Prejbeanu R. (Romania), Haragus H., Vermesan D., Crisan D.</i> |
| P20-952 | Immuno-histo-chemical properties of the ruptured ACL graft – lacking re-innervation, a cause of graft failure?
<i>Tscholl P. (Switzerland), Biedert R., Moschopoulos M., Edouard S.</i> |
| P20-977 | Flexible drilling of femoral tunnels for ACL reconstruction – Must we still hyperflex the knee?
<i>Lee Y. (Singapore), Nyland J., Caborn D.</i> |
| P20-1027 | Knee medial collateral ligament injuries
<i>Price A. (United Kingdom), Taddeo H.</i> |
| P20-1053 | Evaluation of cellularity and cell viability of the anterior cruciate ligament remnant tissue according to the time of rupture
<i>Dominguez C. (Chile), Ekdahl M., Acevedo M., Hernandez R., Morales B., Bustos J.</i> |
| P20-1061 | Evaluation of femoral tunnel exit points in three different tunnel drilling techniques for anatomical double bundle ACL reconstruction
<i>Nozaki M. (Japan), Kobayashi M., Goto H., Nishimori Y., Murase A., Otsuka T.</i> |
| P20-1103 | Knee joint infection after acl reconstruction; management and mid-term functional outcomes
<i>Torres-Claramunt R. (Spain), Erquicia J., Pelfort X., Gelber P., Hinarejos P., Monllau J.</i> |
| P20-1105 | Events leading to anterior cruciate ligament injury in world cup alpine skiing: A systematic video analysis of 20 cases
<i>Bere Tone (Norway), Flørenes Tonje, Krosshaug T., Nordsletten L., Bahr R.</i> |
| P20-1225 | Gait analysis after anterior cruciate ligament (ACL) reconstruction in patients aged 50 years and older
<i>Sarmah S. (United Kingdom), Fayad T., Pammer Jasmine, Patel R., Haddad F.</i> |
| P20-1281 | Functional hop test, kinematic and isokinetic asymmetries persist 6-9 months after ACL reconstruction: Mechanisms and clinical implications
<i>Xergia Sofia (Greece), Pappas E., Zampeli Franceska, Georgiou S., Georgoulis A.</i> |

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P20-1334	Femoral fixation strength of device-free isoanatomical bone-patellar tendon-bone single-bundle ACL reconstruction – a biomechanical study <i>Hirschmann M. (Switzerland), Burger L., Arnold M., Meyer P., Goepfert B., Wirz D.</i>
P20-1351	Impact of meniscal and cartilage status on long term results of ACL reconstruction. 15-20 year follow-up results <i>Lukasik P. (Poland), Widuchowski W., Widuchowski J., Faltus R.</i>
P20-1441	Isolated anteromedial and posterolateral ACL bundle augmentation – patient outcome at 1 year <i>Robinson J. (United Kingdom), Porteous A., Murray J., Halliday Ruth, Piper Dani</i>
P20-533	Soft tissue healing in an in vivo anterior cruciate ligament (ACL) allograft model <i>Verma N. (United States), Bhatia S., Bell R., Frank R., Bach B.R., Chubinskaya S.</i>

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P21-2	Proprioceptive deficits after ACL injury. Are they clinically relevant? A systematic review <i>Gokeler A. (Netherlands), Benjaminse Anne, Hewett T., Engebretsen L., Ageberg Eva, Arnold M.</i>
P21-28	Pre-operative factors predicting good outcome in terms of health-related quality of life after anterior cruciate ligament reconstruction <i>Månsson O. (Sweden), Kartus J., Sernert Ninni</i>
P21-58	MRI comparison of fibular collateral ligament and patellar tendon length <i>Milankov M. (Serbia), Semnic R., Njagulj Vesna, Ninkovic S., Harhaji V.</i>
P21-161	Ten year results after anterior cruciate ligament reconstruction with hamstring tendons and accelerated rehabilitation: A prospective clinical and radiological study <i>Janssen R. (Netherlands), duMée A., van Valkenburg Julliette, Sala H., Tseng C.</i>
P21-182	Management of postoperative synovitis after ACL reconstructions <i>Knoll Z. (Hungary)</i>
P21-224	Partial anterior cruciate ligament tears: anatomic reconstruction versus non anatomic augmentation surgery <i>Vannini Francesca (Italy), Buda R., Ruffilli A., Cavallo M., Parma A., Giannini S.</i>

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| P21-228 | <p>Osteoarthritis after anterior cruciate ligament reconstruction:
A meta-analysis</p> <p><i>Claes S. (Belgium), Hermie L., Verdonk R., Bellemans J., Verdonk P.</i></p> |
| P21-318 | <p>Standardised transtibial acl reconstruction technique can result in
high reproducibility rate of the optimal femoral tunnel position:
Radiographic review</p> <p><i>Elnikety S. (United Kingdom), El-Husseiny M., Kamal T., Gregoras M.,
Talawadekar G., Jeer P.</i></p> |
| P21-331 | <p>Single-stage revision anterior cruciate ligament reconstruction:
three to ten year follow-up</p> <p><i>Lee S. (South Korea (ROK)), Lee J., Choi C.</i></p> |
| P21-433 | <p>Out in technique in revision anterior cruciate ligament reconstruction
with doubled semitendinosus and gracilis tendons and lateral
extra-articular reconstruction: a long term follow-up study</p> <p><i>Monaco E. (Italy), Caperna L., Palma T., Conteduca F., Ferretti A.</i></p> |
| P21-449 | <p>Normative references and minimum detectable change in anterior and
rotational knee joint laxity measurements</p> <p><i>Mouton Caroline (Luxembourg), Theisen D., Pape D., Agostinis Hélène,
Krecke R., Seil R.</i></p> |
| P21-628 | <p>Patellofemoral osteoarthritis after anterior cruciate ligament
reconstruction</p> <p><i>Oiestad Britt Elin (Norway), Holm Inger, Aune A., Engebretsen L.,
Gunderson Ragnhild, Risberg May Arna</i></p> |
| P21-638 | <p>Sagittal alignment of the knee and its relationship to postoperative knee
laxity after anterior cruciate ligament reconstruction</p> <p><i>Terauchi M. (Japan), Hatayama K., Saito K., Yanagisawa S.</i></p> |
| P21-679 | <p>Return to high school and college level American Football following
ACL reconstruction: a MOON cohort study</p> <p><i>Spindler K. (United States), McCullough K., Phelps K., Reinke Emily, Dunn W.</i></p> |
| P21-740 | <p>Revision anterior cruciate ligament reconstruction using an anatomic
approach for malpositioned tunnels. Clinical and three dimensional
computed tomography results</p> <p><i>Hantes M. (Greece), Tsoungias G., Vlychou Mariana, Tsarouhas A., Malizos K.</i></p> |

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		Return to skiing and re-injury after anterior cruciate ligament reconstruction in skiers	
P21-765		Kimura Yuka (Japan), Ishibashi Y., Tsuda E., Yamamoto Y., Maeda S., Sasaki S.	
		Probability of meniscal tears in relation to the time after anterior cruciate ligament injury	
P21-775		Tutkus V. (Lithuania), Tutkuvienė Janina	
		Prospective randomized comparison of transtibial versus transportal techniques for clinical results in the double-bundle ACL reconstruction	
P21-814		Takeda Y. (Japan), Iwame T., Koizumi T., Miyatake K., Kondo K., Takasago T.	
		Primary stability of a new technique for tibial fixation of a free tendon graft in ACL reconstruction: The retrograde shim technique	
P21-829		Lenschow S. (Germany), Fütterer Jana, Schliemann B., Herbolt M., Raschke M.	
		Primary ACL Reconstruction using a quadriceps tendon graft with press-fit fixation leads to significant less bone loss in the bone tunnels compared to a hamstring graft with interference screw fixation – a CT scan analysis 3 months postoperatively	
P21-916		Akoto R. (Germany), Müller-Hübenthal J., Albers M., Helm P., Bouillon B., Hoehner J.	
		Pain evaluation after ACL ligamentoplasty: “All-inside” versus classical technique. A prospective randomized comparative study	
P21-955		Benea H. (France), Klouche Shahnez, Bauer T., Hardy P.	
		Mid term clinical results after augmentation anterior cruciate ligament reconstruction technique	
P21-973		Abat F. (Spain), Gelber P., Erquicia J., Pelfort X., Tey M., Monllau J.	
		Reconstruction of anterior and posterior cruciate ligaments in a patient with bilateral congenital absence of both cruciate ligaments: A case report	
P21-999		Starcevic D. (Croatia), Tršek D., Medanic N., Hašpl M.	
		Parcial lesion of Ica: What can we expect to the conservative treatment?	
P21-1066		Valencia-García H. (Spain), Ruiz-Zafra J., Lopez-Hualda A., Martinez-Martín J., Lopez-González D., Panizo-Mota F.	
		Longitudinal tear of medial meniscus posterior horn in anterior cruciate ligament deficient knee significantly influences the anterior stability of the knee	
P21-1068		Lee S. (South Korea (ROK)), Ahn J.	

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| P21-1176 | Simple guidelines for anatomic femoral tunnel placement in ACL reconstruction
<i>Davis A. (United States), Izaguirre A., Brown C., Steiner M.</i> |
| P21-1182 | Reliability of a semi-automated 3D-CT measuring method for tunnel diameters after anterior cruciate ligament reconstruction
<i>Claes S. (Belgium), Robbrecht C., Cromheecke M., Mahieu P., Bellemans J., Verdonk P.</i> |
| P21-1188 | Self-reported quality of life, knee function and activity level in persons with bilateral anterior cruciate ligament injury
<i>Fältström Anne (Sweden), Häggglund M., Kvist Joanna</i> |
| P21-1234 | Morphology of the medial wall of the lateral femoral condyle
<i>Kopf S. (Germany), Ingham Sheila, Martins C., Smolinski P., Fu F.</i> |
| P21-1277 | Minor continental differences exist between outcome criteria used to determine success after ACL injury by orthopaedic surgeons
<i>Lynch A. (United States), Logerstedt D., Grindem Hege, Eitzen Ingrid, Risberg May Arna, Snyder-Mackler Lynn</i> |
| P21-1282 | Outcome after re-revision ACL reconstruction in 15 patients from a single institution. 2-15 years follow-up
<i>Strauss M. (Denmark), Christiansen S., Faunoe P., Lund B., Lind M.</i> |
| P21-1288 | Precision of arthroscopic measurements during anterior cruciate ligament reconstruction using a standard arthroscopic ruler
<i>Middleton Kellie (United States), Miyawaki Motoko, Araujo P., Tashman S., Irrgang J., Fu F.</i> |
| P21-1295 | Minimum 10-year follow-up after anterior cruciate ligament reconstruction using Howells guide: The effect of tibial tunnel placement on clinical and subjective outcome
<i>Inderhaug E. (Norway), Strand T., Solheim E.</i> |
| P21-1300 | No increased occurrence of OA following ACL reconstruction after isolated ACL injury in athletes
<i>Hoffelner T. (Austria), Resch H., Moroder P., Atzwanger J., Hitzl W., Tauber M.</i> |
| P21-1312 | Oral rivaroxaban for the prevention of deep vein thrombosis after arthroscopic ACL reconstruction
<i>Darabos N. (Croatia), Cuti T., Car Dolores, Rakic-Ersek Vera, Pavic Marina, Elabjer E.</i> |

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| | <p>P21-1350</p> <p>Revision anterior cruciate ligament reconstruction: A review of 25 cases
<i>Smigielski R. (Poland), Szymanska Marta</i></p> | |
| | <p>P21-1363</p> <p>Single - bundle versus anatomic double-bundle reconstruction of anterior crutiate ligament: A early clinical results
<i>Hašpl M. (Croatia), Starcevic D., Tršek D., Medanic N., Kunac N.</i></p> | Timetables |
| | <p>P21-1368</p> <p>Results of isolated anteromedial or posterolateral bundle ACL augmentation
<i>Piper Dani (United Kingdom), Porteous A., Murray J., Robinson J.</i></p> | |
| | <p>P21-1374</p> <p>Single bundle ACL reconstruction in medial portal technique: Knee kinematics after femoral tunnel drilling with conventional over the top aimer in comparison to the "Medical Portal Aimer", "MPA"
<i>Herbort M. (Germany), Domnick C., Lenschow S., Schliemann B., Petersen W., Raschke M.</i></p> | Wednesday |
| | <p>P21-1377</p> <p>Regeneration of hamstring tendons after anterior cruciate ligament reconstruction: A prospective analysis
<i>van der Velden Marly (Netherlands), Janssen R.</i></p> | |
| | <p>P21-1398</p> <p>Morphology and area of ACL femoral insertion site
<i>Fujimaki Y. (United States), Miyawaki Motoko, Araujo P., Irrgang J., Tashman S., Fu F.</i></p> | Thursday |
| | <p>P21-1401</p> <p>Outcome following infection after ACL reconstruction
<i>Wood T. (United Kingdom), Smith N., Spalding T., Thompson P.</i></p> | |
| | <p>P21-1425</p> <p>Platelet-rich plasma in ACL quadriceps tendon bone reconstruction. Inflammatory response, tunnel widening and proprioception afterwards
<i>Malinowski K. (Poland), Wiecek R., Hermanowicz K., Jancewicz P., Kuzma K., Synder M.</i></p> | Friday |
| | <p>P21-1435</p> <p>Patellar tendon vs. hamstrings in ACL reconstruction: A seve year follow-up prospective randomized study
<i>Camillieri G. (Italy), Matteo F., Calvisi V.</i></p> | |
| | <p>P21-1448</p> <p>Mini-invasive medial collateral ligament and posterior oblique ligament repair in combined chronic medial and ACL injuries
<i>Canata G. (Italy)</i></p> | Saturday |
| | <p>P21-1476</p> <p>Magnetic resonance imaging and clinical evaluation of anterior cruciate ligament reconstruction using the femoral bioabsorbable cross-pin fixation via the anteromedial portal
<i>Lee S. (South Korea (ROK)), Jung Y., Ahn J.</i></p> | Posters |

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- P21-1482 Midterm follow-up of an Anatomic 'Hybrid' ACL reconstruction technique using one femoral and two tibial tunnels
Altman G. (United States), Jain S., Patel K., Re P.
- P21-1486 Quadriceps avoidance gait is more obviously seen in recurrent ACL injured knee than primary ACL injured knee
Takeda K. (Japan), Niki Y., Enomoto H., Suda Y., Kiriya Y., Nagura T.

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- P22-11 7 to 22Y follow-up of Anterior Cruciate Ligament reconstruction: Is osteoarthritis rate dependant to approach (trans tibial or trans AM portal)?
Lee Beom Koo (South Korea (ROK)), Sim J., Kwak J.
- P22-91 The effect of anatomical single-bundle vs. double-bundle ACL reconstruction on medial meniscus-deficient knees: A porcine study
Zhou J. (China), Keklikci K., Araujo P., Fu F.
- P22-98 Tunnel enlargement after anatomic double-bundle anterior cruciate ligament reconstruction using hamstring tendon autografts: a prospective computed tomography study
Kawaguchi Y. (Japan), Kondo E., Onodera Jun, Kitamura N., Yagi T., Yasuda K.
- P22-150 The lateral tibial tunnel in revision ACL surgery. A biomechanical study of a new technique
Van der Bracht H. (Belgium), Verhelst L., Goubau Y., Verdonk P., Bellemans J.
- P22-151 The consequence of tibial drill-guide angle and drill bit diameter on tibial footprint coverage in ACL surgery
Van der Bracht H. (Belgium), Page B., Bellemans J., Verdonk P.
- P22-152 The lateral tibial tunnel in ACL surgery: Does it allow for adequate footprint coverage?
Van der Bracht H. (Belgium), Verhelst L., Page B., Stuyts B., Verdonk P., Bellemans J.
- P22-326 The effects of different hormonal influences on knee stiffness and proprioception
Bányai T. (Germany), Cerulli G., Michael J.

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P22-361	Tunnel bone density after allogenic bone chip and bone cylinder transplantation in staged revision anterior cruciate ligament reconstruction <i>Said S. (Denmark), Faunoe P., Lund B., Christiansen S., Lind M.</i>
P22-560	The potential risk of the posterior blowout using far anteromedial portal drilling for anatomical double bundle anterior cruciate ligament reconstruction <i>Nishimori Y. (Japan), Nozaki M., Kobayashi M., Goto H., Iguchi H., Otsuka T.</i>
P22-570	Transtibial anatomic ACL reconstruction can lead to short tibial tunnel and medial tibial chondral injury <i>Chang C. (South Korea (ROK)), Choi J., Lee J., Kim T.</i>
P22-683	The effect of coronal location of the tibial anteromedial tunnel in anatomic double-bundle anterior cruciate ligament reconstruction on knee kinematics <i>Asai S. (United States), Hoshino Y., Kim D., Pronesti V., Smolinski P., Fu F.</i>
P22-702	The pivot shift – a global user guide <i>Musahl V. (United States), Hoshino Y., Araujo P., Ahldén M., Zaffagnini S., Fu F.</i>
P22-722	The values of C-reactive protein as predictors of infection after anterior cruciate ligament reconstruction <i>Ruiz-Iban M. (Spain), Diaz Heredia J., Cebreiro Martinez del Val I., Gomez Santos Helena, Aranda F., Gonzalez-Lizán F.</i>
P22-815	Value of oblique coronal and oblique sagittal magnetic resonance images in diagnosis of anterior cruciate ligament tear and evaluation of anterior cruciate ligament remnant <i>Kosaka M. (Japan), Nakase J., Toratani T., Ohashi Y., Kitaoka K., Tsuchiya H.</i>
P22-837	The use of an accessory medial portal in anatomic ACL reconstruction. A prospective CT-study <i>Chouliaras V. (Greece), Giotis D., Christogiannis C., Koukounas V., Grestas A.</i>
P22-889	The influence of the cross sectional area of the ACL graft on the postoperative knee laxity <i>Kusano M. (Japan), Yonetani Y., Tanaka Y., Kanamoto T., Horibe S.</i>
P22-930	The effects of anatomic and non-anatomic posterolateral bundle augmentation on knee rotational stability: A biomechanical study in porcine knees <i>Yapici C. (United States), Keklikci K., Kim D., Linde-Rosen Monica, Smolinski P., Fu F.</i>

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| P22-1041 | The optimum far anteromedial portal position for trans-medial portal technique of ACL reconstruction by pre-operative 3D-CT taken at the knee flexion position
<i>Eguchi A. (Japan), Adachi N., Deie M., Nishimori M., Nakamae A., Ochi M.</i> |
| P22-1048 | Volume and contact surface area analysis of bony tunnels between single and double bundle anterior cruciate ligament reconstruction using autograft tendons -In vivo three-dimensional imaging analysis-
<i>Yang J. (Korea, Democratic People's Republic of (North Korea)), Kim J., Wang J.</i> |
| P22-1075 | Validation of electromagnetic measurement system during the pivot shift test in a cadaveric model: A comparison of cutaneous and transosseous electromagnetic position sensors
<i>Nishizawa Y. (Japan), Kuroda R., Matsushita T., Kubo S., Nagamune K., Kurosaka M.</i> |
| P22-1078 | The effects of trans-tibial versus anteromedial portal technique on the stress patterns around the femoral tunnel in anatomical single-bundle ACL reconstruction at different knee flexion angles using a finite element analysis
<i>Seo Y. (South Korea (ROK)), Yoo Y., Song S., Kim H., Kim H.</i> |
| P22-1087 | The 'vancomycin wrap' – a simple, effective method to reduce infection rates in ACL reconstruction
<i>Getgood A. (United Kingdom), Wood T., Thompson P., Spalding T.</i> |
| P22-1095 | Validation of acceleration parameters in quantifying pivot-shift test: in-vitro multi-tester VS in-vivo single-tester analysis
<i>Lopomo N. (Italy), Hoshino Y., Ahlén M., Nagamune K., Musahl V., Zaffagnini S.</i> |
| P22-1134 | 3D CT analysis of femoral and tibial tunnel locations after modified transtibial single bundle ACL reconstruction
<i>Cho S. (South Korea (ROK)), Youm Y., Eo J., Lee K.</i> |
| P22-1175 | The effect of graft selection on in vivo three-dimensional patellar kinematics during robotic tibial rotation using dynamic computed tomography
<i>Branch T. (United States), Stinton S., Cunningham T., Jacobs C.</i> |
| P22-1213 | Tunnel positioning and graft obliquity in anatomic single bundle and transtibial techniques – an MRI comparison study
<i>Haragus H. (Romania), Prejbeanu R., Deleanu B., Popescu Alina, Vermesan D.</i> |

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		The influence of applied internal and external rotation on acceleration of the pivot shift momen	
P22-1325		Kopf S. (Germany), Kauert R., Halfpaap J., Halfpaap Nicole, Jung T., Becker R.	
		Transverse femoral fixation of BPTB in ACL reconstruction. Biomechanical study of two different bio-absorbable pins. Controlled animal study	
P22-1341		Camillieri G. (Italy), Vittorio C., Adriani E.	
		Use of the ruler technique to determine mid-footprint femoral tunnel position in anatomic anterior cruciate ligament reconstruction in a District General Hospital, analysed with 3-dimensional computed tomography	
P22-1342		McGarvey C. (United Kingdom), Bird J.	
		Vascularization of the remnant of ACL and clinical results of ACL reconstructions with remnant preservation	
P22-1404		Cholewinski J. (Poland), Ficek K., Wiatr A., Pajak M., Kubiak A.	
		The femoral insertion area of anterior cruciate ligament	
P22-1408		Fujimaki Y. (United States), Fujimaki Yoshimasa Y., Miyawaki Motoko, Tashman S., Irrgang J., Fu F.	
		The control of the knee kinematics achieved by single verses double-bundle Anterior Cruciate Ligament reconstruction: intra-operative measurement using surgical navigation	
P22-1418		Robinson J. (United Kingdom), Murray J., Hassaballa M., Porteous A., Colombet P.	
		Tibial insertion morphology and area of anterior cruciate ligament	
P22-1419		Maeda S. (Japan), Miyawaki Motoko, Fujimaki Y., Tashman S., Irrgang J., Fu F.	
		Two stage procedure in anterior cruciate ligament revision surger. A 5 year prospective study	
P22-1451		Franceschi F. (Italy), Papalia R., Del Buono A., Rizzello G., Maffulli N., Denaro V.	
		The Tegner Activity Scale index as a measure of early regained activity following knee arthroscopy	
P22-1463		Briggs Karen (United States), Rodkey W., Matheny Lauren, Steadman J.	
		Intraoperative comparisons of knee kinematics of double-bundle versus single-bundle Anterior Cruciate Ligament reconstruction	
P22-1515		Plaweski S. (France), Mercier N., Grimaldi M., Saragaglia D.	

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<i>Lee Y. (South Korea (ROK)), Nha K.</i> |
| P23-167 | Anatomical study and morphometric analyses of the posterior cruciate ligament's femoral insertions
<i>Gali J. (Brazil), Oliveira H., Camargo A., Martins C., Silva P., Caetano E.</i> |
| P23-216 | Fixation strength of tibial inlay technique versus posterior slope onlay technique in arthroscopic PCL reconstruction
<i>Benedetto K. (Austria), Osti M.</i> |
| P23-232 | How to safely perform the femoral tunnels of the popliteus tendon and fibular collateral ligament in multiligamentary knee reconstructions. Computed tomography evaluation in a cadaveric model
<i>Gelber P. (Spain), Erquicia J., Sosa G., Ferrer G., Abat F., Monllau J.</i> |
| P23-251 | Clinical and radiological long-term outcome after posterior cruciate reconstruction and popliteus bypass surgery – what could we expect?
<i>Adler T. (Switzerland), Friederich N., Amsler F., Hirschmann M.</i> |
| P23-287 | Results of posterior cruciate ligament avulsion fixation in fresh or delayed- isolated or combined cases
<i>Kachooei A. (Iran), Samani S., Razi Shiva, Mahdavian Naghash Zargar R.</i> |
| P23-381 | Radiographic landmarks for tunnel positioning in posterior cruciate ligament reconstructions
<i>LaPrade R. (United States), Johannsen A., Westcott D., Wijdicks C., Engebretsen L.</i> |
| P23-396 | Triple bundle PCL reconstruction with autogenous hamstring tendons: minimum 2 years follow-up
<i>Soejima T. (Japan), Inoue T., Noguchi K., Kanazawa T., Tabuchi K., Nagata K.</i> |
| P23-431 | Is the U sign a radiological evidence of PCL tibial avulsion fracture?
<i>Piedade S. (Brazil), Mischon Martha, Ferreira D.</i> |
| P23-492 | Intraoperative navigation evaluation of double-bundle posterior cruciate ligament reconstruction
<i>Ishibashi Y. (Japan), Tsuda E., Yamamoto Y., Tsukada H., Maeda S.</i> |

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	Arthroscopic popliteus tendon reconstruction: introduction a novel technique and primary results	
P23-595	Razi M. (Iran), Safar Cherati Afsaneh, Dadgostar H., Razi H., Ahadi K.	
	Efficacy of posteromedial safety incision in PCL reconstruction, our experience with first 100 cases	
P23-619	Goyal A. (India), Chaudhary D., Joshi D., Bahl V.	
	High prevalence of abnormal MR findings of lateral collateral ligament and popliteus tendon in the knees without instability	
P23-627	Chang C. (South Korea (ROK)), Choi J., Chang M., Lee J., Kim T.	
	Femoral critical corner in posterior cruciate ligament reconstruction: a comparison of three techniques using 3-dimensional model	
P23-726	Kim S. (South Korea (ROK)), Chun Y., Kim S., Jung M., Lee S., Kim S.	
	Correction of chronic irreducible posterior knee subluxation in multiple ligament injury patients using external fixation distraction: A novel technique	
P23-729	Saowaprut S. (Thailand), Charoensopa T., Chinanuvathana A.	
	Combined PCL and PLC reconstruction in chronic posterolateral instability	
P23-893	Alam M. (United Kingdom), Zorzi C., Iacono V., Madonna V., Rosa D., Maffulli N.	
	Quantification of posterior knee laxity in PCL injury – instrumented laxity measurement vs. stress radiography	
P23-1023	Höher J. (Germany), Akoto R., Shafizadeh S., Greshake O., Bouillon B., Balke M.	
	Posterolateral corner reconstruction using single fibular sling method	
P23-1032	Kim J. (South Korea (ROK)), Yang B., Ha J.	
	The use of fibroblasts for the reconstruction of anterior cruciate ligament: research on the sheep animal model	
P23-1219	Guillen Garcia P. (Spain), Guillen-Vicente Marta, Guillen-Vicente Isabel, Rodriguez-Inigo Elena, Caballero-Santos Rosa, Lopez-Alcorocho J.	
	Mid-term clinical and radiographic outcomes for surgical reconstruction of multiple ligament knee instability	
P23-1268	Hantes M. (Greece), Tsarouhas A., Antoniou I., Basdekis G., Malizos K.	

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	Development of a novel test method for intra-articular fatigue and wear testing of meniscal reconstructions
P24-81	<i>Halewood Camilla (United Kingdom), Nawabi D., Amis A.</i>
	Inter- and intra-observer reliability of the Genovese grading to evaluate the radiological outcome after partial meniscus substitution
P24-101	<i>Schenk Larissa (Switzerland), Hirschmann Anna, Keller Leonie, Arnold M., Friederich N., Hirschmann M.</i>
	Does the meniscus transplant prevent osteoarthritis? Functional and radiographic outcome 5-year follow-up
P24-105	<i>Valencia-García H. (Spain), Gavín-González C., Prieto-Martinez J., Ruiz-Zafra J., Chozas-Muñoz A., Ferrete-Barroso Ana</i>
	A pilot study of the use of a polycarbonate-urethane implant for the treatment of postmeniscectomy medial knee pain
P24-122	<i>Verdonk P. (Belgium), Dhollander A., Verdonk R.</i>
	A novel technique of the all-inside repair for lateral meniscus root tears using the meniscal viper: a technical note
P24-398	<i>Soejima T. (Japan), Noguchi K., Tabuchi K., Kanazawa T., Nagata K.</i>
	A novel acellular and viroinactivated meniscus allograft
P24-438	<i>Tan Nathalie (France), Servien Elvire, Couchoux H., Barnouin Laurence, Neyret P.</i>
	Evaluation of two virtual reality arthroscopic simulators
P24-440	<i>Tuijthof Gabrielle (Netherlands), Visser P., Sierevelt Inger, van Dijk C., Kerkhoffs G.</i>
	Clinical mid-term outcome after partial meniscus substitution using the collagen meniscal implant – good or bad?
P24-545	<i>Hirschmann M. (Switzerland), Keller Leonie, Berbig R., Lüthi U., Schenk Larissa, Arnold M.</i>
	A 12-week exercise therapy program is feasible and improves function in middle-aged patients with degenerative meniscus tears
P24-639	<i>Stensrud Silje (Norway), Roos Ewa, Risberg May Arna</i>
	Joint stressing forces when performing knee arthroscopies
P24-660	<i>Tuijthof Gabrielle (Netherlands), Wulms P., Sierevelt Inger, Schafoth M., Blankevoort L., Kerkhoffs G.</i>
	Global Rating Scales to objectify arthroscopic skills in the operating room
P24-663	<i>Tuijthof Gabrielle (Netherlands), van Ooij B., Schafoth M., van Dijk C., Dragoo J., Kerkhoffs G.</i>

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P24-670	Arthroscopic Lateral Collagen Meniscus Implant at 2 year minimum follow-up <i>Marcheggiani Muccioli G. (Italy), Zaffagnini S., Bulgheroni P., Bulgheroni Erica, Grassi A., Marcacci M.</i>
P24-762	A novel polycarbonate-urethane meniscal implant: A functional evaluation of sizing <i>Linder-Ganz E. (Israel), Elsner J., Condello V., Hershman E., Arbel R., Shterling A.</i>
P24-848	Implant of a polyurethane scaffold for treatment of partial meniscal lesion. Early results <i>Bulgheroni P. (Italy), Bulgheroni Erica, Cherubino P.</i>
P24-858	Clinical results of arthroscopic salvage repair incorporating the base of PCL as a temporary post for medial meniscus posterior horn root tears <i>Park S. (South Korea (ROK)), Kim S.</i>
P24-897	All-inside meniscal repair: a prospective, randomized clinical study with 4- to 7-year results <i>Järvelä Sally (Finland), Sihvonen R., Järvelä T.</i>
P24-919	Effect of tourniquet use on rehabilitation and muscle damage after arthroscopic partial meniscectomy. A prospective randomized study. <i>Hantes M. (Greece), Tsarouhas A., Basdekis G., Tsoungias G., Antoniou I., Malizos K.</i>
P24-985	A new arthroscopic technique using intraarticular portal for lateral parameniscal cyst decompression <i>Haklar U. (Turkey), Ayhan E., Sarioglu E.</i>
P24-1036	Incidence of bilateral discoid lateral meniscus in Asian population: An arthroscopic assessment of contra-lateral knees <i>Bae J. (South Korea (ROK)), Lim H., Hwang D., Song J., Byun J., Nha K.</i>
P24-1043	Can arthroscopic medial meniscus root repair using a suture anchor restore subluxation and hoop tension of the medial meniscus? <i>Lee C. (South Korea (ROK)), Chung D., Jung K., Lee S.</i>
P24-1097	All-arthroscopic technique of biological meniscal tear therapy with collagen membrane – early results <i>Piontek T. (Poland), Ciemniowska-Gorzela Kinga, Szulc A., Naczek J., Jakob R.</i>

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| | | Biological reconstruction of the failing knee: experience of meniscus allograft transplantation with osteotomy, ligament reconstruction and articular cartilage repair |
| | P24-1117 | Spalding T. (United Kingdom), Getgood A., Spencer S., Bird J., Thompson P. |
| | | Arthroscopic meniscal scaffold implantation: early clinical results at 20 months of follow-up |
| | P24-1211 | Zorzi C. (Italy), Madonna V., Condello V., Cortese F., Giovarruscio R. |
| | | Hand-held ultrasound scanning diagnosis in acute knee injury |
| | P24-1434 | Klos B. (Netherlands), Konijnenberg S. |
| | | Comparison between arthroscopic meniscal allograft transplantation and polyurethane scaffold implantation: Clinical outcome, reinterventions and implant integrity after a minimum follow-up period of 2 years. A prospective clinical trial |
| | P24-1437 | Verdonk P. (Belgium), Moens K., Willemot L., Tampere T., Verdonk R. |
| | | Early results after arthroscopic meniscus suture in patients with a "relative" indication |
| | P24-1508 | Melinte P. (Romania), Rodica C., Niculescu D., Didu S., Mercut C. |

P25

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| | | Width is more reliable than length in graft sizing using plain radiography prior to lateral meniscal transplantation |
| | P25-10 | Bin S. (South Korea (ROK)), Lee B., Chung J., Kim J., Kim K. |
| | | Meniscectomy after failure of meniscal repair: a review of 37 cases |
| | P25-24 | Pujol N. (France), Barbier O., Boisrenoult P., Beaufils P. |
| | | Midterm outcomes after meniscal allograft transplantation: comparison of cases with extrusion versus without extrusion |
| | P25-30 | Bin S. (South Korea (ROK)), Lee D. |
| | | Meniscal healing after repair of chronic meniscal tears: a MRI arthrography assessment |
| | P25-48 | Popescu D. (Spain), Diego R., Sastre S., Lozano L., Martinez-Pastor J., Macule F. |
| | | Radiological mid-term outcome after partial meniscus substitution using the collagen meniscal implant using MRI |
| | P25-100 | Hirschmann M. (Switzerland), Keller Leonie, Schenk Larissa, Berbig R., Lüthi U., Arnold M. |

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P25 KNEE-MENISCUS

P25-230	Morphologic changes in fresh-frozen meniscus over one year: a prospective magnetic resonance imaging study on the width and thickness of transplants <i>Bin S. (South Korea (ROK)), Lee B., Kim J., Cho W.</i>
P25-293	Long term follow-up after meniscal repair <i>Liantis A. (Greece), Willberg Lotta, Engström B.</i>
P25-401	Pullout failure strength of the posterior horn of the medial meniscus with root ligament tear: a biomechanical study <i>Kim Y. (South Korea (ROK)), Joo Y., Kang T., Jeon Y., Han S.</i>
P25-404	Role of the mechanical axis of lower limb and body weight in the horizontal tear and root ligament tear of the posterior horn of the medial meniscus <i>Kim Y. (South Korea (ROK)), Joo Y., Kang T., Jeon Y., Han S.</i>
P25-567	Learning and retaining complex arthroscopic knee skills <i>Khan T. (United Kingdom), Jackson W., Alvand A., Gill H., Price A., Rees J.</i>
P25-662	Probing forces of menisci: what levels are safe for arthroscopic surgery? <i>Tuijthof Gabrielle (Netherlands), Horeman T., Schafroth M., Blankevoort L., Kerkhoffs G.</i>
P25-783	MRI and clinical assessment of the contralateral knee of symptomatic discoid lateral meniscus <i>Tagigami J. (Japan), Hashimoto Y., Yamasaki S., Nakaura H.</i>
P25-808	The impact of free or restricted rehabilitation after meniscus repair. A prospective randomized clinical trial <i>Lind M. (Denmark), Lund B., Faunoe P., Christiansen S.</i>
P25-820	Second-look arthroscopic findings after open wedging high tibia osteotomy of posterior root tears of the medial meniscus <i>Nha K. (South Korea (ROK)), Kim J., Kwon J., Jang B., Lee H.</i>
P25-906	Treatment of meniscus horizontal tear <i>Lee M. (South Korea (ROK)), Lee J., Lee S., Jang J., Chun S., Seong S.</i>
P25-945	Meniscal repair in soccer players using all-inside meniscal suture device. Long term results <i>Alvarez P. (Spain), Llobet F., Nelson G., Steinbacher G., Ramon C.</i>
P25-966	Relationship between meniscal extrusion and two different fixation techniques in meniscal allograft transplantation <i>Abat F. (Spain), Gonzalez-Lucena Gemma, Gelber P., Erquicia J., Pelfort X., Monllau J.</i>

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| <div style="background-color: #8ebf8e; width: 20px; height: 40px; margin-bottom: 10px;"></div> <div style="background-color: #8ebf8e; width: 20px; height: 40px; margin-bottom: 10px;"></div> <div style="background-color: #8ebf8e; width: 20px; height: 40px; margin-bottom: 10px;"></div> <div style="background-color: #8ebf8e; width: 20px; height: 40px; margin-bottom: 10px;"></div> <div style="background-color: #8ebf8e; width: 20px; height: 40px; margin-bottom: 10px;"></div> <div style="background-color: #8ebf8e; width: 20px; height: 40px;"></div> | <p>P25-1064</p> <p>P25-1067</p> <p>P25-1247</p> <p>P25-1315</p> <p>P25-1359</p> <p>P25-1367</p> <p>P25-1423</p> | <p>Repair for radial tears of the midbody of the lateral meniscus using the new suture technique</p> <p><i>Suzuki T. (Japan), Nakata K., Otsubo H., Watanabe K., Yamashita T.</i></p> <p>The relationship of neural structures to arthroscopic posterior portals according to knee positioning</p> <p><i>Lee S. (South Korea (ROK)), Ahn J.</i></p> <p>The effectiveness of comprehensive physiotherapeutic programme in patients after AMMS (Arthroscopic Meniscus Membrane Suturing)</p> <p><i>Prusinska Agnieszka (Poland), Piontek T., Ciemniewska-Gorzela Kinga, Naczek J., Grygorowicz Monika, Dudzi W.</i></p> <p>Medial meniscal root repair – the biomechanical effectiveness of pull-out sutures</p> <p><i>Röpke E. (Germany), Becker R., Lohmann C., Stärke C.</i></p> <p>Meniscus transplantation and open wedge proximal tibia osteotomy in biologically young patients with varus axis of the knee and chondromalacy.</p> <p><i>Pasa L. (Czech Republic), Kalandra S., Radek V., Kelbl M., Kuzma J.</i></p> <p>Postoperative care and rehabilitation in patients after arthroscopic medial meniscus repair with polyurethane implants</p> <p><i>Kurowska Emilia (Poland), Slynarski K., Piatkowski M.</i></p> <p>Simulation training in arthroscopic surgery. A proficiency based training curriculum for arthroscopic skill acquisition</p> <p><i>Vega R. (Chile), Iñiguez Magaly, Varas J., Padilla O., Vega Jr R.</i></p> |
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KNEE-CARTILAGE

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P25 KNEE-MENISCUS + P26 KNEE-CARTILAGE

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P26-50	Mid-term results of the treatment of cartilage defects in the knee using alginate beads containing human mature allogenic chondrocytes <i>Dhollander A. (Belgium), Verdonk P., Verdonk R., Almqvist K.</i>
P26-172	Longterm benefits comparing intra-articular betamethasone with sodium hyaluronate in patients with knee osteoarthritis <i>Almqvist K. (Belgium), Van Lauwe J., Van der Bracht H., Verdonk R., Luyten F.</i>
P26-175	Long-term success in the treatment of diffuse pigmented villonodular synovitis of the knee with subtotal synovectomy and radiotherapy <i>Carvalho Jr L. (Brazil), Melo-Silva Jr O., Soares L., Temponi E., Jacques Gonçalves M., Costa L.</i>
P26-209	Long term management of knee osteoarthritis with hylan GF-20: Efficacy and safety of repeat treatments over 4 years <i>Raman R. (United Kingdom), Shaw C., Johnson G., Dutta A., Sharma H.</i>
P26-220	How to treat osteocondritis dissecans of the knee: surgical techniques and new trends <i>Kon Elizaveta (Italy), Vannini Francesca, Buda R., Filardo G., Marcacci M., Giannini S.</i>
P26-240	Does the mechanical alignment correlate with the tracer uptake pattern and intensity in SPECT/CT? A retrospective series on 104 knees <i>Hirschmann M. (Switzerland), Schoen S., Affi F., Rasch H., Arnold M., Friederich N.</i>
P26-289	Isokinetic knee extensor strength deficit following matrix-induced autologous chondrocyte implantation <i>Ebert J. (Australia), Lloyd D., Ackland T., Wood D.</i>
P26-290	Clinical and radiological outcome following matrix-induced autologous chondrocyte implantation in the patellofemoral joint: 5 year results <i>Ebert J. (Australia), Meyerkort D., Fallon M., Ackland T., Zheng M., Wood D.</i>
P26-424	Membrane-guided regeneration augmented with bone marrow concentrate (BMC) for cartilage repair in the knee. Histological results <i>Enea D. (Italy), Calcagno S., Alberto B., Cecconi S., Manzotti Sandra, Gigante A.</i>

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| P26-485 | Autologous chondrocyte implantation on the femoral condyles – Long term clinical and radiographic results
<i>Drobnic M. (Slovenia), Martincic D., Radosavljevic D.</i> |
| P26-608 | Comparison of „autologous chondrocytes in an agarose and alginate gel“ implantation versus Mosaicplasty: 1 year follow-up of a phase III clinical trial
<i>Potel J. (France), Robert H., Bussière C., Servien Elvire, Neyret P., Dubrana F.</i> |
| P26-671 | A pilot study of the use of a contoured articular prosthetic device as a salvage procedure for the treatment of focal cartilage defects in the knee
<i>Dhollander A. (Belgium), Vandekerckhove P., Moens K., Verdonk P., Almqvist K.</i> |
| P26-680 | Comparison of chondrotoxic effects of anaesthetics for arthroscopic application as single shot or repetitive use
<i>Patzer T. (Germany), Herten Monika, Kircher J., Ickert Irina, Vogl Melanie, Krauspe R.</i> |
| P26-697 | Long- term follow-up study of autologous chondrocyte implantation and survivorship analysis
<i>von Keudell A. (United States), Bryant T., Minas T.</i> |
| P26-751 | Knee arthroscopy on the internet: How well informed are your patients?
<i>Prinja A. (United Kingdom), Neffendorf J.</i> |
| P26-857 | Entrapment of TGF-β1 in photo-responsive hydrogels stimulated chondrocytes differentiation in bioreactor cultivation
<i>Chen L. (Taiwan), Chen C.</i> |
| P26-891 | Clinical results of the arthroscopic treatment in knee chondral defects – a 7 years clinical follow-up
<i>Tiberiu B. (Romania), Opris R., Bataga S., Voicu B., Melinte R., Ivanescu A.</i> |
| P26-910 | G-CSF and cartilage fragments. A potential new strategy for increasing chondrocyte outgrowth for one-stage repair. In vitro study
<i>Marmotti A. (Italy), Peretti G., Bruzzone M., Bonasia D., Rossi R., Castoldi F.</i> |
| P26-915 | Chondrogenic potential of haemarthrosis-derived MSC for cartilage repair after abrasion arthroplasty
<i>Hartz Claudia (Germany), Pries F., Lippross S., Pufe T., Seekamp A., Varoga D.</i> |

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	High tibial "open-wedge" oteotomy versus unicompartmental knee arthroplasty in unicompartmental knee joint osteoarthritis: 5- year follow up retrospective study	
P26-925	Metzlaff S. (Germany), Achtnich Andrea, Forkel P., Petersen W.	
	Autologous Membrane Induced Chondrogenesis for the treatment of chondral lesions in the knee. A retrospective clinical evaluation with mid-term results of 40 patients	
P26-1112	de Girolamo Laura (Italy), Adravanti P., Schoenhuber H., Banchini P., Volpi P.	
	Critical bone and osteochondral defects: An innovative approach using magnetic scaffold	
P26-1120	Russo A. (Italy), Panseri Silvia, Sandri Monica, Tampieri Anna, Dediu V., Marcacci M.	
	All arthroscopic Autologous Matrix Induced Chondrogenesis cartilage reconstruction in the knee – early results	
P26-1226	Ciemniewska-Gorzela Kinga (Poland), Piontek T., Szulc A., Naczek J.	
	Long-term results of abrasion arthroplasty of the medial femoral condyle of the knee for full-thickness chondral defects	
P26-1235	Sansone V. (Italy), Pascale V., de Girolamo Laura	
	Comparison of factors associated with early osteoarthritis vs. moderate to severe osteoarthritis of the knee	
P26-1278	Briggs Karen (United States), Matheny Lauren, Steadman J., Rodkey W.	
	Miniprosthesis addressing cartilage lesions in the knee – are they usable?	
P26-1389	Laursen J. (Denmark)	
	A tissue engineered osteochondral composite for cartilage repair: an in vivo study	
P26-1393	Peretti G. (Italy), Sosio C., Deponti Daniela, Melato M., Di Giancamillo A., Gervaso Francesca	
	Microfracture treatment In athletes with knee grade IV chondral lesion – A 10 year follow up	
P26-1430	Gobbi A. (Italy), Kumar A., Karnatzikos G.	

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		Osteochondritis dissecans of the knee. Autologous chondrocyte transplantation, in combination with corrective osteotomy of the lower limb
P27-39		<i>Goudelis G. (Greece), Samaras K.</i>
		Platelet-rich plasma in treatment of tibiofemoral chondromalacia
P27-65		<i>Hart R. (Czech Republic), Safi A., Komzák M., Jajtner P., Puskeiler M., Hartová Petra</i>
		Short-term outcome of the second generation characterized chondrocyte implantation for the treatment of cartilage lesions in the knee
P27-69		<i>Dhollander A. (Belgium), Verdonk P., Verdonk R., Almqvist K.</i>
		Results prediction of knee cartilage injuries treatment
P27-97		<i>Golovakha M. (Ukraine), Schabus R., Orłjanski W.</i>
		The chondrotoxic effect of single-dose local anesthetics
P27-120		<i>Dragoo J. (United States), Braun Hillary, Kim Hyeon Joo, Golish S.</i>
		Specific compartmental analysis of cartilage status in patients with double bundle ACL reconstruction: a comparative study using a pre- and post-operative MRI
P27-141		<i>Lee Beom Koo (South Korea (ROK)), Lee Y., Sim J., Kwak J., Nam S.</i>
		Prosthetic inlay resurfacing for the treatment of focal, full thickness cartilage defects of the femoral condyle: A bridge between biologics and conventional arthroplasty
P27-195		<i>Bollars P. (Belgium), Bosquet M., Vandekerckhove B., Bellemans J.</i>
		Safety, efficacy and outcome of 4400 patients treated with viscosupplementation for osteoarthritis of knee
P27-208		<i>Raman R. (United Kingdom), Shaw C., Sharma H., Johnson G., Dutta A.</i>
		The evaluation using T2 mapping and the pathological specimen for the degenerative change of articular cartilage of the knee joint
P27-448		<i>Tatsuhiko T. (Japan), Nakase J., Masahiro K., Yoshinori O., Hiroyuki T.</i>
		PRP injections versus viscosupplementation for early knee osteoarthritis: a randomized double-blind study
P27-518		<i>Filardo G. (Italy), Kon Elizaveta, Di Martino A., Patella S., Di Matteo B., Marcacci M.</i>
		Osteochondral regeneration in goat model using a new aragonite-hyaluronic acid bi-phasic implant
P27-577		<i>Kon Elizaveta (Italy), Zaslav K., Robinson D., Chorev Y., Eisman J., Levy A.</i>

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	An extra-capsular load absorber as an early surgical option for patients with medial knee OA	
P27-615	London N. (United Kingdom), Dahabreh Z., Waller C., Hayes D.	
	Predicting symptomatic progression of osteoarthritis	
P27-668	Ghodadra A. (United States), Sakamoto Flavia, Rajiah P., Winalski C., Miniaci A., Jones M.	
	The evaluation of the pull out force between the osteochondral plug and the receiving tunnel in autologous osteochondral transplantation	
P27-940	Fleaca R. (Romania), Roman M., Oleksik V., Pascu A.	
	Newly developed nano-structural bio-mimetic scaffold for the treatment of osteochondral defects at the knee. Preliminary results	
P27-970	Alevrogiannis S. (Greece), Skarpas G.	
	Platelet Rich Plasma (PRP)- a new hope for degenerative lesions of the knee	
P27-993	Gobbi A. (Italy), Kumar A., Karnatzikos G.	
	The use of Agili-C, a novel aragonite-hyaluronate biphasic implant, in the regeneration of chondral and osteochondral defects – Initial clinical results	
P27-1022	Drobnic M. (Slovenia), Kon Elizaveta, Widuchowski W., Zaslav K., Robinson D., Levy A.	
	Positive reaction of bone and surrounding cartilage to a metal implant after 12 months in the sheep's knee	
P27-1153	Ryd L. (Sweden), Martinez-Carranza N., Berg H., Nurmi-Sandh Hillka, Lagerstedt Ann-Sofie	
	Radiosynoviorthesis improves functional outcome after arthroscopic synovectomy	
P27-1289	Pompe B. (Slovenia), Suhodolcan L., Grmek M., Zupanc O.	
	Synthetic polymer scaffolds vs microfracture: Two year follow-up prospective randomised trial	
P27-1307	Camillieri G. (Italy), Calvisi V., Ferretti M.	
	Outcomes and survivorship at 10 years following arthroscopic treatment package for osteoarthritis of the knee	
P27-1313	Steadman J. (United States), Ellis H., Briggs Karen, Matheny Lauren	

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KNEE-CARTILAGE

- P27-1331 Tissue engineering for cartilage repair: In vitro development of an osteochondral scaffold
Peretti G. (Italy), Deponi Daniela, Di Giancamillo A., Gervaso Francesca, Domeneghini Cinzia, Sannino A.

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KNEE-PATELLOFEMORAL

- P28-12 Localized pigmented villonodular synovitis of the knee: Clinical and MRI outcome of arthroscopic treatment with mid term follow up
Loriaut P. (France), Djian P., Boyer T., Bonvarlet J., Delin C.
- P28-23 Does pre-op chondral damage predispose to subsequent patellofemoral arthritis? 10-15 year follow up results of athroscopic Elmslie-trillat osteotomy from Bristol
Naveed M. (United Kingdom), Ackroyd C., Porteous A.
- P28-201 'Basket weave technique' for MPFL reconstruction – a prospective study
Kodkani P. (India)
- P28-225 Atraumatic locked knee from superior dislocation of the patella-diagnosis and management of a rare injury
Siddiqui M. (Singapore), Tan M.
- P28-234 Correlation between different patella alta measurements in patients with and without patella-femoral instability
Said S. (Denmark), Faunoe P., Lund B., Christiansen S., Lind M.
- P28-295 Treatment of persistent patellofemoral instability after failed previous surgery
Kohn L. (Germany), Meidinger G., Beitzel K., Banke I., Banke I., Imhoff A., Schöttle P.
- P28-306 Initial validity and reliability of the Banff Patellar Instability Instrument (BPII)
Hiemstra Laurie (Canada), Lafave M., Kerslake Sarah, Heard S., Buchko G.
- P28-315 Displacing lateral meniscus masquerading as patella dislocation
Arendt Elizabeth (United States), Fontbote C.
- P28-316 Location of abnormally elevated T2-relaxtion values in patellar cartilage correlates with the degree of patella alta
Arendt Elizabeth (United States), Lemeister N., Ellermann Jutta

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	Reconstruction of the knee extensor mechanism and free vascularized latissimus dorsi musculocutaneous flap for treating traumatic complete extensor loss with extensive soft tissue defect of the anterior aspect of the knee: A case report	
P28-340	Otoshi K. (Japan), Kikuchi S., Numazaki H., Kobayashi H., Ejiri S., Konno S.	
	Tunnel positioning analysis post medial patellofemoral ligament reconstruction. Correlation with clinical outcomes	
P28-383	Howells N. (United Kingdom), Barnett A., Eldridge J.	
	Medial patellofemoral ligament reconstruction – prospective outcome assessment of a large single centre series	
P28-392	Howells N. (United Kingdom), Barnett A., Ansari A., Ahearn N., Eldridge J.	
	Medial patellofemoral ligament reconstruction for patellofemoral instability in patients with hypermobility	
P28-393	Howells N. (United Kingdom), Eldridge J.	
	Medial patellofemoral ligament reconstruction: mid term results	
P28-515	Schiavone Panni A. (Italy), Cerciello S., Vasso M.	
	Recalcitrant symptomatic synovial plica: validation of unique clinical exam findings and causal relationship to anterior knee pain	
P28-544	Albright J. (United States), McCunniff P.	
	mpfl reconstruction with less implants in recurrent patella dislocations-first results in 15 consecutive patients	
P28-569	Gatzka C. (Germany), Pap G.	
	Anatomic femoral tunnel position for medial patellofemoral ligament reconstruction	
P28-652	Stephen Joanna (United Kingdom), Kader D., Lumpaopong Punyawan, Deehan D., Amis A.	
	Autologous chondrocyte Implantation to isolated patella defects	
P28-698	von Keudell A. (United States), Bryant T., Minas T.	
	Bicompartmental knee arthritis: a prospective matched short term study using UKR + PFA	
P28-699	Confalonieri N. (Italy), Manzotti A.	
	Patellofemoral realignment with medial patellofemoral ligament reconstruction as a novel procedure for correction of patellar maltracking after TKA in selected cases	
P28-754	van Gennip S. (Netherlands), Schimmel Janneke, van Hellemond G., Wymenga A.	

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| P28-798 | Knee function in patients with two or more episodes of patella dislocations
<i>Mikaelsen J. (Norway), Skråmm I., Evensen Birte, Pedersen Sarah, Brand J., Årøen A.</i> |
| P28-927 | MPFL – reconstruction with gracilis tendon for patellar instability – 3 years results
<i>Fechner A. (Germany), Godolias G., Meyer O.</i> |
| P28-941 | Incidence of cartilage lesions and early osteoarthritis in patients with patellar dislocation
<i>Scheffler S. (Germany), Vollnberg B., Koehlietz T., Hoburg A., Jung T., Diederichs G.</i> |
| P28-967 | The width: Thickness ratio of the patella and its relationship to pain and functional outcome post patellofemoral joint arthroplasty
<i>Eddie Leanne (United Kingdom), Hassaballa M., Robinson J., Porteous A., Murray J.</i> |
| P28-981 | Medial patellofemoral ligament avulsion injury from the patella: classification, surgical technique and clinical outcome
<i>Sillanpää P. (Finland), Mäenpää H., Pihlajamäki H.</i> |
| P28-1010 | Biologic arthroplasty in patello-femoral cartilage lesions
<i>Gobbi A. (Italy), Kumar A., Karnatzikos G. (Italy)</i> |
| P28-1016 | Long-term results of patello-femoral realignment procedures
<i>Drobnic M. (Slovenia), Vivod G., Strazar K., Zupanc O., Verdonk P.</i> |
| P28-1056 | J-sign, TT-TG, and dynamic MRI in establishing proper tibial tubercle transfer In patients with patellar instability
<i>Albright J. (United States), McDermott S.</i> |
| P28-1069 | Clinical outcome after MPFL reconstruction in primary patellar dislocation vs. salvage surgery
<i>Verdonk P. (Belgium), Mulliez A., Thibaut Ellen, Verbruggen D., Lambrecht Delphine, Victor J.</i> |
| P28-1106 | The isometric point for medial patellofemoral ligament reconstructions: An in vivo analysis using 3-dimensional computed tomography
<i>Song S. (South Korea (ROK)), Yoo Y., Seo Y.</i> |
| P28-1131 | Improved TTTG accuracy using 3D landmarks to compensate for misalignment
<i>Harris S. (United Kingdom), Cobb J.</i> |
| P28-1158 | Patello-femoral kinematics in relation to medial patello-femoral ,Ligament'
<i>Colle Francesca (Italy), Sharma B., Bignozzi S., Dejour D., Zaffagnini S.</i> |

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	In vitro measurement of native patella kinematics in different loading conditions and motor tasks	
P28-1184	<i>Vandenneucker Hilde (Belgium), Labey L., Chevalier Y., Innocenti B., Victor J., Bellemans J.</i>	
	The biomechanical relationship between Anterior Knee Pain Syndrome (AKPS) and Functional Hallux Limitus (FHL). A case series review	
P28-1217	<i>Diehl S. (Switzerland), Vallotton J.</i>	
	The value of the MPFL suture for acute patella luxation in consideration of risk factors	
P28-1232	<i>Wagner D. (Germany), Loebig C., Pfalzer F., Huth J., Mauch F., Bauer G.</i>	
	Long term results after arthroscopic suturing of the medial patello-femoral ligament in children after acute, first episode of patella dislocation	
P28-1320	<i>Drwiega M. (Poland), Zdanowicz Urszula, Smigielski R.</i>	
	The relation of the distal femoral physis and the medial patellofemoral ligament	
P28-1324	<i>Nelitz M. (Germany), Lippacher Sabine, Dornacher D., Reichel H.</i>	
	Analysis of failed surgery for patellar instability in children with open growth plates	
P28-1340	<i>Woelfle Julia (Germany), Nelitz M., Lippacher Sabine, Reichel H.</i>	
	Reconstruction of the lateral retinaculum after failed lateral release in case of patellofemoral instability – a prospective study	
P28-1343	<i>Meidinger G. (Germany), Münch Marina, Beermann Insa, Banke I., Imhoff A., Schöttle P.</i>	
	In vitro navigated kinematic validation of the tensioning of MPFL reconstruction	
P28-1346	<i>Dejour D. (France), Sharma B., Lopomo N., Bignozzi S., Zaffagnini S.</i>	
	MRI-Assessment of various contributing factors in patellofemoral instability with and without weight bearing	
P28-1352	<i>Becher C. (Germany), Rase M., Calliess T., Ettinger M., Siebert C., Ostermeier S.</i>	
	Presence of trochlear dysplasia associated with less progression of tibiofemoral osteoarthritis following patellofemoral arthroplasty	
P28-1481	<i>Dahm Diane (United States), Kalisvaart M., Slettedahl S.</i>	
	Validation of a classification for patients with patellar instability	
P28-1483	<i>Hiemstra Laurie (Canada), Lafave M., Kerslake Sarah, Heard S., Buchko G.</i>	

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KNEE-OSTEOTOMY

	A "safe zone" in medial open wedge high tibia osteotomy to prevent lateral cortex fracture
P29-4	Nha K. (South Korea (ROK)), Han S., Lee D., Wang K., Lee H.
	The effect of medial opening and lateral closing high tibial osteotomy on leg length
P29-77	Servien Elvire (France), Lustig S., Demey G., Neyret P.
	The role of high tibial osteotomy with ACL reconstruction in ACL-deficient varus knees with medial compartment OA: Systematic review
P29-125	Anand A. (United Kingdom), Patel A., Anand B.
	How much is the tibial width in a high tibial osteotomy important?
P29-370	León Muñoz V. (Spain), Lisón Almagro A., Martínez Bravo Inmaculada, Ruiz Maciá D., Caiguelas Villa F.
	Femoral opening wedge osteotomy for valgus knees. A prospective study with 5 years follow-up
P29-445	Ekeland A. (Norway), Nerhus K., Dimmen S., Heir S.
	Tibial opening wedge osteotomy for varus knees. A prospective study with 5 years follow-up
P29-447	Ekeland A. (Norway), Nerhus K., Dimmen S., Heir S.
	Dome osteotomy with dome stabilizer – a patient friendly procedure
P29-555	Kodkani P. (India)
	Medial opening wedge high tibial osteotomy (OWHTO) for medial compartment overload/arthritis in the varus knee
P29-589	Bonasia D. (Italy) Rossi R., Dettoni F., Castoldi F., Blonna D., Sito G.
	The use of toothed plate in supracondylar femoral osteotomy to correct genu valgum
P29-649	Abdel-Hamid M. (Egypt)
	Simultaneous anterior cruciate ligament (ACL) reconstruction and medial opening wedge high tibial osteotomy (OWHTO).
P29-758	Cox G. (United Kingdom), Thomas N., Wilson A.
	Osteotomy around the knee & its effect on joint line obliquity at the ankle – a radiographic study
P29-759	Cox G. (United Kingdom), Robin E., Thomas N., Wilson A.
	The weight-bearing scanogram technique provides better coronal limb alignment than the navigation technique in open high tibial osteotomy
P29-819	Kim J. (South Korea (ROK)), Nha K., Kwon J., Lee H., Jang B.

P29 KNEE-OSTEOTOMY + P30 KNEE – TOTAL JOINT REPLACEMENT

P29 KNEE-OSTEOTOMY

- | | |
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| P29-959 | Outcome of Distal femoral osteotomy – A surgeon's experience!
<i>Desai A. (United Kingdom), Dawson M.</i> |
| P29-1244 | Wedge volume and osteotomy surface depend on surgical technique for high tibial osteotomy
<i>Pape D. (Luxembourg), Dueck K., Haag M., Lorbach O., Seil R., Madry H.</i> |
| P29-1411 | Clinical and radiological results of medial gonarthrosis treated with closed wedge high tibial osteotomy
<i>Stegemann N. (Turkey), Erdogan F., Can A., Sankaya I.</i> |

P30 KNEE – TOTAL JOINT REPLACEMENT

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| P30-21 | Contribution of femoral & tibial component position to the overall coronal limb alignment in conventional instrumentation total knee arthroplasty: A comparison with computer assisted total knee arthroplasty
<i>Chan K. (Malaysia), Sathappan S., Teo Y.</i> |
| P30-27 | Extensor mechanism allograft reconstruction in TKA for ruptures or ankylosis
<i>Baldini A. (Italy), Manfredini L., Summa P., Traverso F., Grappiolo G.</i> |
| P30-51 | Behaviour of the synovial fluid cytokines after a total knee replacement in osteoarthritis
<i>Popescu D. (Spain), Lozano L., Ares O., Martinez-Pastor J., Segur J., Suso S.</i> |
| P30-147 | Floating platform total knee replacement. Prospective evaluation after 5 to 8 years
<i>Schoenahl J. (France), Jenny J., Miehke R., Saragaglia D.</i> |
| P30-160 | Computer navigated versus conventional total knee arthroplasty. Retrospective cohort study on prosthesis alignment and functional outcome in 100 LCS rotating platform TKA at mid term follow-up
<i>Tolk J. (Netherlands), Koot H., Janssen R.</i> |
| P30-205 | Femorotibial rotation is influenced by the position of the fibular head after implantation of a total knee prosthesis
<i>Pfizzner T. (Germany), Matziolis G., Perka C.</i> |

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	Improvement of health-related quality of life after TKA. Best results after bilateral TKA in one time
P30-386	León Muñoz V. (Spain), Lisón Almagro A., Hernández García C.
	CT based patient-specific cutting blocks for total knee arthroplasty: Technique and preliminary radiological results
P30-454	Koch P. (Switzerland), Müller D., Fucentese S.
	A new spacer-guided PCL balancing technique results into good kinematics of an anatomically designed cruciate-retaining total knee arthroplasty
P30-523	Heesterbeek Petra (Netherlands), Labey L., Wong P., Innocenti B., Wymenga A.
	A novel reference axis that indicates axial alignment of distal tibia in total knee arthroplasty
P30-576	Enomoto H. (Japan), Nakamura T., Shimosawa H., Niki Y., Toyama Y., Suda Y.
	Conservative treatment of the spontaneous avascular necrosis of the knee in middle-aged patients
P30-587	Marcheggiani Muccioli G. (Italy), Grassi A., Bonanzinga T., Nitri M., Zaffagnini S., Marcacci M.
	Analysis of different stem lengths and fixation techniques in hinged total knee arthroplasty
P30-609	Fuchs-Winkelmann Susanne (Germany), El-Zayat B., Heyse T., Fanciullacci N., Yan C., Innocenti B.
	Hip abductors strength: reliability and association with physical function after unilateral total knee arthroplasty
P30-676	Alnahdi A. (United States), Zeni J., Snyder-Mackler Lynn
	Computer assisted UKR: a prospective randomized study at a short term follow-up
P30-703	Confalonieri N. (Italy), Manzotti A.
	Accuracy of a MRI based patient matched cutting jigs technology in TKA: Evaluation with navigation
P30-856	Ferretti A. (Italy), Conteduca F., Iorio R., Caperna L., Mazza D., Di Sette Priscilla

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	Comparison of accuracy between a MRI based patient matched cutting jigs and the EM tibial guides	
P30-863	Conteduca F. (Italy), Ferretti A., Iorio R., Mazza D., Caperna L., Di Sette Priscilla	
	Does total knee arthroplasty design affect proprioception, balance, strength and clinical outcome: a comparative study between posterior cruciate-stabilizing and posterior cruciate-retaining TKA	
P30-902	Vandekerckhove P. (Belgium), Parys R., Dhollander A., Stevens Nikita, Van den Daelen L., Verdonk P.	
	Clinical, functional, and radiological outcomes in computer-assisted total knee replacement: comparison between two prosthetic designs	
P30-911	Catani F. (Italy), Digennaro V., Grandi G., Mugnai R., Marcovigi A.	
	Five to nine years results of high flexion fixed bearing total knee arthroplasty: how many knees survived?	
P30-912	Lee M. (South Korea (ROK)), Kim D., Lee S., Jang J., Chun S., Seong S.	
	Analysis of the knee joint kinematics and muscle activity during gait in patients with total knee replacement	
P30-929	Hajduk G. (Poland), Sobota G., Nowak Karina, Bacik B., Kusz D., Kopec K.	
	Genu recurvatum versus fixed flexion deformity after total knee arthroplasty – which is the lesser evil?	
P30-1020	Koo K. (Singapore), Amila S., Chin P., Chia S., Lo N., Yeo S.	
	Assessment of joint gap for mid-flexion (45°) and hyper-flexion (120°) during navigation-assisted TKA	
P30-1050	Yang J. (Korea, Democratic People's Republic of (North Korea)), Yoon J., Oh K., Oh C., Lim H., Kim Y.	
	Comparison of total knee arthroplasty using patient specific instruments versus conventional instruments	
P30-1054	Lee M. (South Korea (ROK)), Lee S., Jang J., Chun S., Roh Y., Seong S.	
	Improved metaphyseal fixation of revision total knee arthroplasty with metal modular augments fixed to the bone instead of the tibial baseplate	
P30-1085	Baldini A. (Italy), Manfredini L., Traverso F., Grappiolo G.	

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| P30-1100 | Health economics and adoption of a new technology in orthopaedics
<i>Toms A. (United Kingdom), Coorey D., Latimore R., Garling E.</i> |
| P30-1127 | Cemented versus cementless fixation in Oxford unicompartmental knee arthroplasty at five years: A randomised controlled trial
<i>Dodd C. (United Kingdom), Pandit H., Liddle A., Price A., Gill H., Murray D.</i> |
| P30-1149 | Fitness of the femoral components of total knee arthroplasty with distal femoral cut surfaces in Korean women
<i>Cho S. (South Korea (ROK)), Youm Y., Eo J., Lee K.</i> |
| P30-1150 | Effect of accompanying diseases on the quality of life results after total knee arthroplasty
<i>Bilgic E. (Turkey), Murat A., Bostan B., Tas F., Gunes T., Erkorkmaz U.</i> |
| P30-1180 | Comparison of the changes in the patellar tendon thickness with flexion between meniscal bearing and rotating platform design prosthesis
<i>Takeda M. (Japan), Ishii Y., Noguchi H., Sato J.</i> |
| P30-1183 | Effects of component malpositioning and soft-tissue balancing in Total Knee Arthroplasty kinematics
<i>Pianigiani Silvia (Italy), Chevalier Y., Labey L., Pascale W., Innocenti B.</i> |
| P30-1218 | Five RSA studies to study the safety of the triathlon TKA system – a case for phased innovation in orthopaedics
<i>Garling E. (Sweden), Molt M., Toksvig-Larsen S..</i> |
| P30-1299 | Effect of polyethylene crosslinking and bearing design on wear of unicompartmental arthroplasty
<i>Streicher R. (Switzerland), Netter J., Hermida J., D'Alessio J., Kester M., D'Lima D.</i> |
| P30-1488 | Effect of posterior condyle of femur on extension gap during primary TKA
<i>Seo S. (South Korea (ROK)), Kim C., Kim J., Jung D.</i> |

P30 + P31 KNEE – TOTAL JOINT REPLACEMENT

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KNEE – TOTAL JOINT REPLACEMENT

	Intra-operative kinematic analysis of the knee during total replacement. A prognostic information?	
P31-142	Schoenahl J. (France), Jenny J., Wasser L.	
	Leg alignment and tibial slope after minimal invasive total knee arthroplasty: A prospective randomized radiological study of intramedullary versus extramedullary tibial instrumentation (doi.org/10.1016/j.knee.2011.04.007)	
P31-158	Janssen R. (Netherlands), Kroon de Karin, Houterman Saskia	Timetables
	Is chondromalacia patella contraindicated to unicompartmental knee arthroplasty?	
P31-179	Song M. (South Korea (ROK))	Wednesday
	New high flexion design does not improve maximal flexion in total knee arthroplasty: a randomized controlled trial	
P31-288	Schimmel Janneke (Netherlands), Wymenga A., Defoort K., van Hellemond G.	
	Is it safe to use unconstrained TKA in UKA revision surgery?	
P31-459	Weber P. (Germany), Müller P., Pietschmann M., Wohlleb Lisa, Jansson V.	Thursday
	Is navigation a useful tool in unicompartmental knee arthroplasty? A meta-analysis of the current literature	
P31-626	Weber P. (Germany), Crispin A., Utzschneider Sandra, Pietschmann M., Jansson V., Müller P.	
	No effect of knee joint icing on knee-extension strength or knee pain shortly after total knee arthroplasty. A randomized cross-over study	
P31-651	Holm Bente (Denmark), Husted H., Kehlet H., Bandholm T.	Friday
	Joint line reconstruction in medial unicompartmental knee arthroplasty: development of a measurement method and comparison of 2 prostheses with different gap management	
P31-667	Weber P. (Germany), Müller P., Schröder C., Utzschneider Sandra, Pietschmann M., Jansson V.	
	Lessons learned with 226 consecutive journey knee replacements – learning curve and complication rate	
P31-896	Christen B. (Switzerland), Aghayev E., Rieger B., Neukamp Michal Sarah	Saturday
	Is indication for revision TKA a determinant for outcome? A cohort of 224 patients with a minimum follow-up of 2 years	
P31-1083	Schimmel Janneke (Netherlands), van Kempen R., Vandenneucker Hilde, Wymenga A., van Hellemond G., Defoort K.	

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| P31-1233 | Malalignment: Can thin sequentially cross-linked tibial inserts pass the test?
<i>Streicher R. (Switzerland), Korduba L., Essner A., Delanois R., Mont M., Sayeed S.</i> |
| P31-1258 | Is the posterior offset of femoral condyles related to the sagittal tibial slope?
<i>Cinotti G. (Italy), Sessa P., Ripani Francesca Romana, Della Rocca A., Salustri W.</i> |
| P31-1267 | Kinematic analysis of a three condyles prosthesis design
<i>Colle Francesca (Italy), Bignoz S., Lopomo N., Zaffagnini S., Marcacci M.</i> |

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KNEE – TOTAL JOINT REPLACEMENT

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| P32-37 | Outcomes in the elderly following total knee arthroplasty
<i>Miyamoto S. (Japan), Kosugi M., Sasaki S., Kojin H., Suga J., Hamahata T.</i> |
| P32-76 | Residual varus alignment does not compromise results of TKAs in patients with preoperative varus
<i>Servien Elvire (France), Magnussen R., Lustig S., Demey G., Neyret P.</i> |
| P32-83 | The accuracy of lower extremity alignment in total knee arthroplasty using navigation system – data analysis of 661 cases
<i>Park H. (South Korea (ROK)), Lee J.</i> |
| P32-109 | Outcomes of unicondylar knee arthroplasty in patients with severe deformity – A minimum 2 year follow up study
<i>Seng C. (Singapore), Ho D., Chin P., Lo N., Chia S., Yeo S.</i> |
| P32-143 | Oxford knee questionnaire. Is information identically informative before and after knee replacement?
<i>Schoenahl J. (France), Jenny J., Louis P.</i> |
| P32-173 | Targeted thromboprophylaxis in knee arthroplasty – an audit of 5544 patients
<i>Cox G. (United Kingdom), Pearce Andrea, Britton J., Thomas N., Wilson A., Rossiter N.</i> |
| P32-200 | Physical activity and outcomes thirty months after revision total knee replacement
<i>Núñez Montserrat (Spain), Nuñez Esther, Sastre S., Lozano L., Segur J., Sauló Anna</i> |
| P32-275 | Patellar tilt and thickness in a high-flex design total knee arthroplasty – do they influence the postoperative flexion?
<i>Verdonk P. (Belgium), Dhollander A., Bassens D., Victor J.</i> |

P31 + P32 KNEE – TOTAL JOINT REPLACEMENT

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	The relationship between the posterior condylar offset and the flexion balance in TKA	
P32-368	León Muñoz V. (Spain), Lisón Almagro A., González Garro J.	
	The influence of the instrumentation system in the postoperative posterior condylar offset of TKA	
P32-369	León Muñoz V. (Spain), Lisón Almagro A., Escámez Pérez Á., González Garro J.	
	Unicompartmental knee replacement. Mid-term results with ZUK prosthesis	
P32-387	Schiavone Panni A. (Italy), Vasso M., Cerciello S., Felici A.	
	Vitamin C plasma values reduced after orthopaedic surgical intervention in patients with total knee arthroplasty and prosthesis revision operation	
P32-423	Lengnick H. (Switzerland), Giesinger K., Kuster M., Behrend H.	
	Patellar height after reconstruction of the extensor mechanism with allograft in total knee arthroplasty	
P32-428	Valentí A. (Spain), Llombart R., Diaz de Rada P., Mora G., Valentí J.	
	Use of Tantalum in total knee arthroplasty in severe and morbidly obese patients (BMI> 35kg/m ²)	
P32-497	Lozano L. (Spain), Popescu D., Sastre S., Segur J., Martinez-Pastor J., Macule F.	
	Posterior condylar offset and tibiofemoral contact point do not influence outcome and range of motion in a mobile bearing total knee arthroplasty	
P32-535	Hesterbeek Petra (Netherlands), Geysen G., van Stralen G., Anderson P.G., Wymenga A.	
	Problems, obstacles and complications in more than 800 computer assisted knee arthroplasties	
P32-705	Confalonieri N. (Italy), Manzotti A.	
	Unicompartmental knee resurfacing vs. segmental bicompartmental knee resurfacing vs. total knee arthroplasty: A comparison of clinical outcomes at 2 years follow-up	
P32-778	Al-Dadah O. (United Kingdom), Hawes Georgina, Chapman-Sheath P., Tice J., Barrett D.	
	Semimembranosus release as second stage of soft tissue balancing in varus total knee arthroplasty	
P32-811	In Y. (South Korea (ROK))	

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| | | ‘Two radius area contact’ – posterior stabilized total knee arthroplasty. Short and long term results |
| | P32-849 | <i>Verdoodt An (Belgium), Casteleyn P.</i> |
| | | Patient-specific cutting block in TKR: comparison between CT and MRI 3D planning |
| | P32-887 | <i>Messerli G. (Switzerland), Fritschy D.</i> |
| | | Periprosthetic fractures of the distal femur – results of operative treatment in a single center |
| | P32-895 | <i>Lempainen L. (Finland), Leino O., Mokka J., Seppanen M., Virolainen P., Makela K.</i> |
| | | Radiological evaluation of 226 consecutive journey knee replacements – conventional versus computer navigated surgery |
| | P32-904 | <i>Christen B. (Switzerland), Rieger B., Aghayev E., Neukamp Michal Sarah</i> |
| | | Retrograde femoral nailing of periprosthetic femoral fractures after total knee joint endoprosthesis replacement |
| | P32-936 | <i>Fechner A. (Germany), Meyer O., Godolias G.</i> |
| | | Unicompartmental knee arthroplasty for spontaneous osteonecrosis of the knee: 10-years survivorship and long term clinical results |
| | P32-983 | <i>Bruni D. (Italy), Iacono F., Raspugli G., lo Presti M., Zaffagnini S., Marcacci M.</i> |
| | | One-stage versus two-stage bilateral unicompartmental knee arthroplasty: A comparison of post-operative complications and functional outcome |
| | P32-1051 | <i>Chen J. (Singapore), Lo N., Yeo S.</i> |
| | | The reliability and accuracy of knee implants sizing predicted by digital templating |
| | P32-1057 | <i>Zadoroznijs S. (Latvia)</i> |
| | | Testing high performance after knee arthroplasty: a new objective functional score |
| | P32-1081 | <i>Baldini A. (Italy), Manfredini L., Ceruli Mariani P., Pisaneschi A.</i> |
| | | Total joint replacement in the past does not relate to a deteriorated functional level and health status in the oldest old |
| | P32-1092 | <i>Verra W. (Netherlands), de Craen A., Jaspars C., Maier Andrea, Nelissen R.</i> |
| | | Utilisation of finite element analysis to predict elevated bone metabolic activity in patients with painful total knee arthroplasty |
| | P32-1118 | <i>Keller R. (United Kingdom), Hirschmann M., Friederich N., Hansen U., Amis A.</i> |

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	Usefulness of medial tibial condylar resection in total knee arthroplasty	
P32-1147	Cho S. (South Korea (ROK)), Youm Y., Eo J., Lee K.	
	Preoperative assisted navigation for total knee arthroplasty (TKA): Preliminary results	
P32-1194	Sansone V. (Italy), Ursino N., Bonora Cristina	
	Should the presence of menisci be considered when measuring the posterior tibial slope in total knee arthroplasty?	
P32-1237	Cinotti G. (Italy), Sessa P., Ripani Francesca Romana, Della Rocca A., Salustri W.	
	Quadriceps inhibition and physical function after unilateral total knee arthroplasty	
P32-1257	Alnahdi A. (United States), Zeni J., Snyder-Mackler Lynn	
	The relationship of joint line and flexion/extension axes of the knee to the mechanical axis in the coronal plane	
P32-1330	Streicher R. (Switzerland), D'Alessio J., Patel Amisha, Kester M., Jacofski D.	
	Periprosthetic fractures following total knee replacement. A 17 cases review	
P32-1347	Ares O. (Spain), Prat S., Carreño Ana, Camacho Pilar, Garcia R., Zumbado A.	
	Novel anatomical landmark for rotational alignment of tibial component in TKA	
P32-1489	Seo S. (South Korea (ROK)), Kim C., Kim Y., Jung D.	
	Rehabilitation after Total Knee Arthroplasty – an evaluation of different regimes	
P32-1497	Radtke Kerstin (Germany), Stukenborg-Colsman Christina, Thomson M., Virolainen P., Guerado E., Hinarejos P.	
	Two-stage revision of infected total knee arthroplasty: Mid-term results	
P32-1502	Celik D. (Turkey), Kilicoglu Ö., Tözün R., Yazicioglu Ö.	
	Two-stage revision of infected total hip arthroplasty: Mid-term results	
P32-1503	Celik D. (Turkey), Cil Hilal, Kilicoglu Ö., Yazicioglu Ö., Tözün R., Gülenç B.	
	Prospective comparison of tensioned gaps versus posterior condylar referencing in determining femoral component rotation in TKA	
P32-1505	Luyckx T. (Belgium), Victor J., Peeters T., Vandenuecker Hilde, Bellemans J.	

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KNEE – TOTAL JOINT REPLACEMENT

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<i>Bontemps G. (Germany), Schlüter-Brust K.</i></p> <p>Medial unicompartmental arthroplasty with a mobile bearing implant: Clinical and radiographic results of 463 knees at a Canadian center
<i>Burnett R. (Canada), Nair R., Jacks D., Hall Christine, McAllister Megan</i></p> |
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LEG/ANKLE

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<i>Murawski C. (United States), Kennedy J.</i></p> <p>Functional and quantitative T2-mapping results of autologous osteochondral transplantation in 72 patients
<i>Murawski C. (United States), Kennedy J.</i></p> <p>Chevron-type medial malleolar osteotomy: A functional, radiographic and quantitative T2-mapping MRI analysis
<i>Lamb J. (United States), Murawski C., Deyer T., Kennedy J.</i></p> <p>A single platelet-rich plasma injection for the treatment of chronic insertional Achilles tendinopathy
<i>Murawski C. (United States), Newman H., Kennedy J.</i></p> <p>Simultaneously performed ankle arthroscopy and hindfoot endoscopy for the treatment of severe ankle impingement
<i>Sasahara J. (Japan), Takao M., Matsushita T.</i></p> <p>Bipolar fresh total osteochondral allograft: why, where, when
<i>Giannini S. (Italy), Buda R., Cavallo M., Ruffilli A., Neri Simona, Vannini Francesca</i></p> <p>Computertomographic evaluation of frontal talar edge configuration for osteochondral plug transplantation
<i>Wiewiorski M. (Switzerland), Höchel S., Nowakowski A., Valderrabano V.</i></p> <p>Comparison of active and passive measurements of ankle proprioception in healthy individual
<i>Unal M. (Turkey), Baydar Meltem, Gulbahar Selmin, Akalin Elif, Akseki D., Pinar H.</i></p> |
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P33 LEG/ANKLE

	Comparison of clinical and radiological results in minimally invasive plate osteosynthesis for distal tibial fractures – conventional versus anatomically percutaneous wiring reduction technique	
P33-400	Kim Y. (South Korea (ROK)), Joo Y., Kang T., Jeon Y., Hwang J.	
	Histologic evaluation of anterior talofibular ligament diagnosed as chronic lateral injury of ankle joint and comparison to arthroscopic finding	
P33-414	Miyamoto W. (Japan), Takao M.	
	CT assessment of the fusion rate after posterior subtalar arthrodesis	
P33-481	Thaumat M. (France), Bajard X., Boisrenoult P., Beaufils P., Oger P.	
	Cartilage reconstruction in the foot and ankle	
P33-635	Thermann H. (Germany), Suezer Ferzan, Feil S.	
	The status of ankle joint at the time of implant removal after malleolar fractures. An arthroscopic study	
P33-839	Chouliaras V. (Greece), Christogiannis C., Plakoutsis S., Kopsidas S., Grestas A.	
	Impairment of sensory motor control in functionally instable ankle joint	
P33-865	Pisanu F. (Italy), Verderosa V., Di Monda A., Santandrea A., Marcialis Valentina, Deriu Franca	
	Metaphyseal locking compression plate as an external fixator for the distal tibia	
P33-905	Tulner S. (Netherlands), Kloen P.	
	The ability to perform a single heel-rise is significantly related to patient reported outcome 12 weeks after an Achilles tendon rupture	
P33-909	Olsson N. (Sweden), Karlsson J., Eriksson B., Lundberg Mari, Silbernagel Karin	
	Traumatic osteochondral lesions of the talus treated arthroscopically with microfractures and arthroscopic four step treatment for ankle instability	
P33-1005	Ventura A. (Italy), Terzaghi Clara, Legnani C., Acquati Lozej J., Borgo E.	
	All arthroscopic Autologous Matrix Induced Chondrogenesis cartilage reconstruction open technique in the ankle – early results	
P33-1154	Ciemniewska-Gorzela Kinga (Poland), Piontek T., Szulc A., Naczek J.	
	Lower limb muscle activity during high-heeled vs. low-heeled gait	
P33-1273	Kjartansdottir Inga (Iceland), Arnadottir Asdis, Magnusdottir Sigridur, Briem Kristin	

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POSTER EXHIBITION

P33

LEG/ANKLE

- P33-1391 Microfracture in the treatment of osteochondral defects of the talus: Clinical results at an average follow-up of 9 years with T2-mapping at 3 Tesla
Becher C. (Germany), Zuehlke D., Plaass C., Ewig M., Stukenborg-Colsman Christina, Thermann H.
- P33-1409 Bone volume of an osteochondral talar defect after debridement and microfracturing: A new method to quantify bone volume changes
Reilingh M. (Netherlands), Gerards R., Streekstra G., Jonges R., Blankevoort L., van Dijk C.
- P33-1458 Loose bodies are consistently present after scopic debridement and microfracturing of osteochondral talar defects
Reilingh M. (Netherlands), van Bergen C., Gerards R., van Dijk C.

P34

FOOT

- P34-354 Osteochondral plug transplantation for treatment of stage III or IV Freiberg disease
Miki S. (Japan), Takao M., Miyamoto W., Yasui Y., Innami K., Matsushita T.
- P34-502 New endoscopic approach for the treatment of plantar fasciitis
Komatsu F. (Japan), Takao M., Innami K., Miyamoto W., Nakajima K., Matsushita T.
- P34-584 Comparison of screw-fixation stabilities of first metatarsal shaft osteotomies: a biomechanical study
Unal M. (Turkey), Baran O. †, Uzun B., Turan A.
- P34-746 Comparing unstable shoes versus low dye taping and insoles as treatment for plantar fasciitis
Rúnarsson B. (Iceland), Briem Kristin, Magnússon R., Árnason Á.
- P34-1052 The expectation of a return to play in 6 weeks following fifth metatarsal fracture in professional footballers – clinical reality or media inaccuracy?
Jain N. (United Kingdom), Tucker H., Murray D., Calder J.
- P34-1189 A Multi-segment model study to evaluate the sagittal plane blockade in patients with Functional Hallux Limitus (FHL): Results after endoscopic tenolysis of the Flexor Hallucis Longus (Fhl) at the retrotalar pulley
Vallotton J. (Switzerland), Diehl S., Boulos K., Rouhani H., Aminian K.
- P34-1390 Predictive variables of clinical outcome of osteochondral autologous transplantation in osteochondritis dissecans of the talus
Woelfle Julia (Germany), Reichel H., Nelitz M.

P33 LEG/ANKLE + P34 FOOT + P35 MUSCLE + P36 TENDON

P35 MUSCLE

- | | |
|----------|---|
| P35-648 | Low molecular weight dextran sulfate improves human myoblasts survival after intramuscular transplantation in mice
<i>Laumonier T. (Switzerland), Hoffmeyer P., Menetrey J.</i> |
| P35-801 | Operative treatment of complete rectus femoris muscle ruptures in athletes
<i>Lempainen L. (Finland), Sarimo J., Mattila K., Heikkilä J., Orava S.</i> |
| P35-807 | The influence of mouthguards on muscular performance
<i>Machado T. (Portugal), Pereira R., Cervaens Mariana</i> |
| P35-1192 | Experimental study on the influence of Intramuscular injection of Plasma Rich Growth Factors in serum Insuline like Growth Factors-I (IGF-I) and C-Reactive Protein (CRP) in the DOG
<i>Rubio-Zaragoza Monica (Spain), Damia Elena, Ceron J., Cugat Bertomeu R., Garcia-Balletbo Montserrat, Carrillo J.</i> |

Timetables

Wednesday

P36 TENDON

- | | |
|---------|--|
| P36-499 | The effect of deep friction massage on the Achilles tendon blood flow
<i>Mahieu N. (Belgium), Pattyn E., Maenhout Annelies, Witvrouw E.</i> |
| P36-557 | Platelet-rich plasma as a treatment for patellar tendinopathy: a double-blind randomized controlled trial
<i>Dragoo J. (United States), Wasterlain Amy, Braun Hillary</i> |
| P36-625 | Intermittent pneumatic compression enhances metabolic activity in human Achilles tendon repair
<i>Ackermann P. (Sweden), Arverud Erica, Nilsson G., Labruto F., Bring D.</i> |
| P36-640 | Histological study of the influence of Plasma Rich in Growth Factors (PRGF) in a model of tenotomized Achilles tendon in sheep
<i>Fernandez-Sarmiento J. (Spain), Dominguez Perez J., Granados Maria Mar, Martin de las Mulas Juana, Millan Yolanda, Garcia-Balletbo Montserrat</i> |
| P36-873 | A five year follow-up study of Alfredson's heel-drop exercise programme in chronic midportion Achilles tendinopathy
<i>Tol J. (Qatar), Van Der Plas Annelies, van Der Heide H., Verhaar J., de Vos R., De Jonge Suzan</i> |
| P36-882 | Bioresorbable polylactide (PLA) beads promote tendon healing in the bone tunnel
<i>Ficek K. (Poland), Wieczorek J., Stodolak E., Kajor M., Koseniuk Y.</i> |

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POSTER EXHIBITION

P36 TENDON

- | | |
|----------|---|
| P36-888 | Endoscopic treatment of the tendinopathy of the Achilles tendon
<i>Zazirnyi I. (Ukraine), Yevsyeyenko V., Rybka V., Grigoreva Yulia</i> |
| P36-935 | Proprioception impairment after endoscopically guided percutaneous Achilles tendon repair is related to perceived ankle-foot stiffness
<i>Kaya Defne (Turkey), Doral M., Donmez G., Turhan E., Atay O., Nyland J.</i> |
| P36-965 | The positive effects of different PRP methods on human muscle, bone, and tendon cells
<i>Beitzel K. (Germany), McCarthy Mary Beth, Cote M., Russell R., Arciero R., Mazzocca A.</i> |
| P36-1096 | Platelet rich plasma injection after arthroscopic rotator cuff tear repair
<i>Franceschi F. (Italy), Papalia R., Franceschetti E., Palumbo A., Denaro V., Maffulli N.</i> |
| P36-1287 | Fokused shockwave therapy for the treatment of chronic plantar fasciitis: A randomized comparative experimental study
<i>Rydberg Birgitta (Sweden), Westin Maria, Heijne Annette</i> |
| P36-1304 | The collagen III expression analysis using subcutaneous ruptured EPL tendon
<i>Sasaki K. (United States), Kunamneni A., Sinai A., Kamineni S.</i> |
| P36-1337 | Substitution of patellar tendon by Achilles allograft in knee arthroplasty
<i>Ares O. (Spain), Segur J., Lozano L., Popescu D., Sastre S., Macule F.</i> |
| P36-1414 | The effect of hydrogen peroxide treatment on human tendon allograft
<i>Gardner E. (Australia), Vonder-Heide Nadine, Fisher R., Brooker G., Yates P.</i> |
| P36-1450 | Postoperative functional rehabilitation after repair of quadriceps tendon ruptures – a comparison of two different protocols
<i>Langenhan R. (Germany), Baumann M., Hohendorff B., Probst A., Badtke A., Trobisch P.</i> |

P36 TENDON + P37 SPORT SPECIFIC INJURIES

P37

SPORT SPECIFIC INJURIES

	Ulnar nerve injuries at avulsion fractures internal epicondyle of humerus at young sportsmen (treatment & prognosis)	
P37-188	<i>Kuksov V. (Russian Federation)</i>	
	'Popliteus sling' reconstruction for posterolateral rotatory instability of knee - A prospective study	
P37-199	<i>Kodkani P. (India)</i>	
	Experimental research of magnesium alloys resorption of in-vitro	
P37-300	<i>Golovakha M. (Ukraine), Cherny V., Yatsun E.</i>	
	Wheel gymnastic injuries in amateurs and professionals	
P37-475	<i>Kauther M. (Germany), Rummel Silvia, Hussmann B., Burggraf M., Lendemans S., Wedemeyer C.</i>	
	Peroneal nerve palsy due to compression by a neural cyst: recovery after nerve preserving resection and tibio-fibular joint arthrodesis	
P37-606	<i>Löcherbach C. (Switzerland), Piasecki K.</i>	
	Arthroscopic treatment of jumper's knee in professional athletes	
P37-614	<i>Pascarella F. (Italy), Di Salvatore M., Latte C., Pascarella A.</i>	
	Magnetic resonance imaging of asymptomatic knees in collegiate basketball players: the effect of 1 season of play	
P37-721	<i>Safran M. (United States), Pappas G., Vogelsong Melissa, Staroswiecki E., Gold G.</i>	
	Gender based differences in outcomes following ACL reconstruction in soccer athletes from MOON cohort	
P37-756	<i>Brophy R. (United States), Schmitz Leah, Wright R., Spindler K.</i>	
	Early results of management and outcome of open reduction and internal fixation of acute large osteochondral fractures of the patello-femoral joint using bio-absorbable pins	
P37-809	<i>Veravalli K. (United Kingdom), Davies A.</i>	
	Patella tendonitis in the elite professional footballer	
P37-810	<i>Jain N. (United Kingdom), Kemp S., Murray D.</i>	
	Knee injuries in elite professional footballers: The findings of one English premier league team	
P37-951	<i>Jain N. (United Kingdom), Murray D., Kemp S.</i>	
	Standardising the assessment of collateral knee ligament laxity	
P37-1035	<i>Wilson W. (United Kingdom), Deakin Angela, Picard F., Riches P., Clarke J.</i>	

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P37

SPORT SPECIFIC INJURIES

- | | |
|----------|---|
| P37-1119 | Proximal avulsion of rectus femoris muscle: Presentation, treatment and outcome in 19 patients
<i>Sarmah S. (United Kingdom), Fayad T., Haddad F.</i> |
| P37-1136 | Occult lateral tibia plateau fractures in low energy knee injury
<i>Abrassart Sophie (Switzerland), Fritschy D., Uckay I., Hoffmeyer P., Menetrey J.</i> |
| P37-1143 | Systematic video analysis of ACL injury mechanisms in soccer – a gender comparison
<i>Brophy R. (United States), Stepan J., Silvers Holly, Mandelbaum B.</i> |
| P37-1160 | Studies of the myotendinous junction in humans by histology and transmission electron microscopy indicate that this structure undergoes constant remodelling
<i>Knudsen A. (Denmark), Kjær-Hansen Karin, Mackey-Sennels Abigail, Qvortrup K., Kjaer M., Krosgaard M.</i> |
| P37-1216 | Pre-patellar friction syndrome: A new clinical entity causing anterior knee pain in high-level cyclists
<i>Claes S. (Belgium), Claes T., Bellemans J., Claes T.</i> |
| P37-1242 | Snapping Hip Syndrome: Importance of the dynamic echographic study
<i>Monteiro E. (Portugal), Torres J., Silva S., Moura-Gonçalves A., Pinto R.</i> |
| P37-1245 | Biomechanical study of different suspension devices (cortical and cortico-cancellous) used for ACL reconstruction.
<i>Maestro A. (Spain), Garcia Suarez T., Rodriguez Cristina, Rodriguez L.</i> |
| P37-1265 | Biomechanical analysis of different interference screw used in the ACL reconstruction
<i>Maestro A. (Spain), Garcia Suarez T., Rodriguez Cristina, Rodriguez L., Fernandez Lombardia J.</i> |
| P37-1270 | Incidence and prognosticators for injuries in Belgian soccer players: evolution over the past decade.
<i>Bollars P. (Belgium), Vanlommel L., Claes S., Corten K., Bellemans J.</i> |
| P37-1274 | Stress fracture in youth elite athletes
<i>Tállay A. (Hungary)</i> |

P37 SPORT SPECIFIC INJURIES

P37

SPORT SPECIFIC INJURIES

	Sports medical experiences with a U12-U15 Football Academy. Incidence of injuries in a 1 year period	
P37-1279	Tállay A. (Hungary), Pavlik A.	
	Arthroscopic treatment of lateral tibial plateau fractures	
P37-1388	Savvidis M. (Greece), Bisbinas I., Georgiannos D., Theodoroudis I., Gouvas G.	
	The injury incidence in elite female soccer in Iceland	
P37-1394	Árnason Á. (Iceland), Magnússon T., Sveinsson T.	
	Injuries in Downhill-Mountain biking – a high risk sport ?	
P37-1395	Fehske K. (Germany), Eden L., Meffert R.	
	Prolotherapy use in medial collateral ligament injuries of the knee: The findings of one English premier league team	
P37-1415	Jain N. (United Kingdom), Murray D., Kemp S.	
	Isolated ankle syndesmosis injuries in elite professional footballers: Mechanism (using video analysis), investigations and treatment	
P37-1442	Jain N. (United Kingdom), Murray D., Kemp S., Calder J.	
	Utilization of platelet rich plasma (prp) in orthopaedic practice: Clinical and biological analysis of therapeutic effectiveness	
P37-1444	Franceschi F. (Italy), Papalia R., Zampogna B., Nobile C., Tirindelli M., Denaro V.	
	MRI findings in dominant and nondominant shoulders of asymptomatic elite handball players	
P37-1472	Leyes M. (Spain), Flores C., Gonzalez Maria	
	Arthroscopic treatment of the arthritic ankle of the soccer player at the end of his career: is it worth?	
P37-1473	Osti L. (Italy), Papalia R., Barca F., Del Buono A., Maffulli N., Denaro V.	
	The high-level gymnasts shoulder; results of surgical treatment	
P37-1513	Boileau P. (France), Gendre P., Moineau G.	
	The high-level gymnasts shoulder; epidemiology and anatomical lesion	
P37-1514	Boileau P. (France), Gendre P., Moineau G.	

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P38

INJURY PREVENTION

- | | | |
|--|----------|--|
| | P38-191 | The prevention of injuries in American flag football in Israel:
A one-year pilot study
<i>Kaplan Y. (Israel)</i> |
| | P38-551 | Effect of knee braces for MCL on dynamic and static balance
<i>Fujiya H. (Japan), Tateishi K., Yui Naoko, Yatabe Kanaka, Kohno T., Aoki H.</i> |
| | P38-601 | Increased trunk stability modulates sagittal plane lower extremity
biomechanics during single-leg landings
<i>Shimokochi Y. (Japan), Igawa T., Oishi Ayaka, Kato Norie, Meyer E., Ambegaonkar, J.</i> |
| | P38-633 | Which screening tools can predict injury to the lower extremities in
team sports? A systematic review
<i>Benjaminse Anne (Netherlands), Dallinga Joan, Lemmink K.</i> |
| | P38-641 | Injury profile of competitive alpine skiers – a five year cohort study
at the Swedish Ski High schools
<i>Westin Maria (Sweden), Alicsson M., Werner Suzanne</i> |
| | P38-934 | Professional Ice Hockey Injuries: A 5 years prospective study
<i>Ornon G. (Switzerland), Fritschy D., Menetrey J., Ziltener J.</i> |
| | P38-968 | Injuries among elite Norwegian road cyclists – A prospective study
<i>Clarsen B. (Norway), Bahr R., Myklebust Grethe</i> |
| | P38-1251 | Specific training may influence knee frontal plane projection angles
during dynamic tasks in female team-handball players.
<i>Sveinsson H. (Iceland), Thorvardarson E., Svavarsson S., Briem Kristin</i> |
| | P38-1284 | Late effects of team handball in female national team players. High
prevalence of osteoarthritis, and functional limitations in knee joints
ten years after Silver Medal winning at the Sydney olympic gGames
<i>Tállay A. (Hungary), Halasi T.</i> |
| | P38-1511 | Reduction of sports injury incidence in a Luxembourgish sport
school during a 3-year prospective follow-up
<i>Theisen D. (Luxembourg), Frisch Anne, Windal T., Urhausen A., Seil R.</i> |

P38 INJURY PREVENTION + NOTES

NOT

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LUNCH WORKSHOPS
WEDNESDAY, MAY 2, 2012

12.30 - 13.30 h

ROOM B

Smith & Nephew



LW11 Anatomic ACL Reconstruction

Chair: Brown C. (Abu Dhabi/USA)

Current Concepts:

Topic: Biomechanics of ACL Reconstruction

Speaker: Amis A. (United Kingdom)

Topic: ACL Reconstruction: Do We Have a Problem?

Speaker: Fu F. (USA)

Topic: What is Anatomic ACL Reconstruction and How Do We Achieve it?

Speaker: Brown C. (Abu Dhabi/USA)

Topic: The Concept of Footprint Restoration

Speaker: Siebold R. (Germany)

Topic: Where Do I Place My Tunnels?

Speaker: Robinson J. (United Kingdom)

Topic: ACL Reconstruction: Where Do We Go From Here?

Speaker: Fu F. (USA)

Surgical Techniques:

Topic: Anatomic Single-Bundle ACL Reconstruction

Speaker: Spalding T. (United Kingdom)

Topic: Anatomic ACL Reconstruction: Outside-In Approach

Speaker: Pederzini L. (Italy)

Topic: Anatomic Double-Bundle ACL Reconstruction

Speaker: Djian P. (France)

Topic: Augmentation Technique for Partial ACL Tears

Speaker: Brown C. (Abu Dhabi/USA)

Case Presentations (All faculty)

ROOM C

Aperion Biologics, Inc.



LW12 Graft Choices in ACL Reconstruction – Introducing the Z-lig

Chair: Lee D. (USA)

Speakers: van der Merwe W. (South Africa), Zaffagnini S. (Italy)

ROOM E**Zimmer Institute****LW16 New Technologies for reproducible Unicompartmental Knee Alignments***Speakers: London N. (United Kingdom), Thienpont E. (France)***ROOM F****Moximed****LW17 Joint unloading for the young arthritic patient: rationale, techniques, and practical workshop***Speakers: Almqvist KF. (Belgium), Crawford D. (USA), Holsten D. (Germany)***ROOM G****FH Orthopedics****LW18 TLS System – The reference in short grafts***Chair: Collette M. (Belgium), Cassard X. (France)**Topic: Introduction**Speaker: Lanternier H. (France)**Topic: Technical and biomechanical basis**Speaker: Collette M. (Belgium)**Topic: The TLS technique**Speaker: Cassard X. (France)**Topic: Comparative analysis of 4 tibial fixation systems**Speaker: Robert H. (France)**Topic: Clinical results**Speaker: De Polignac T. (France)**Topic: Discussion**Speaker: Collette M. (Belgium), Cassard X. (France)**Topic: Conclusion**Speaker: Lanternier H. (France)*

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LUNCH WORKSHOPS
WEDNESDAY, MAY 2, 2012

12.30 - 13.30 h

ROOM K

DePuy Mitek



LW15 Arthroscopic Latarjet for the treatment of anterior shoulder instability and glenoid loss technique, challenges and results after 3 years of practice

The treatment of Rotator cuff tears with Healix anchors: from PASTA to full thickness

Chair: Calvo E. (Spain)

ROOM L

DePuy

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LW19

Topic: A Reproducible Technique in Uni surgery

Speaker: Gottsauner-Wolf F. (Austria)

Topic: Clinical Results and Observations

Speaker: Barrett D. (United Kingdom)

LE JURA

Biomet



LW13 Overview of 35 years Oxford and current developments

Speakers: Murray D. (United Kingdom), Kort N. (Netherlands)

LE SALÈVE

ConvaTec, Inc.



LW14 Surgical Site Infection in Total Hip and Knee Arthroplasty

Chair: Argenson J. (France)

Speakers: Hube R. (Germany), Neyret P. (France), Springer B. (USA), Thienpont E. (Belgium)

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LUNCH WORKSHOPS
THURSDAY, MAY 3, 2012

12.30 - 13.30 h

ROOM A

Smith & Nephew



LW20 **Current Concepts in Shoulder Arthroscopy**

Topic: The challenges of shoulder instability

Speaker: Verma N. (USA)

Topic: Rotator Cuff - Healing Challenges

Speaker: Verborgt O. (Belgium)

ROOM B

Arthrex GmbH



LW21 **Live Surgical Demonstration:
NEW Techniques in Medial and
Lateral Knee Ligament Reconstruction**

Chair: Johansen S. (Norway)

Speakers: LaPrade R. (USA), Engebretsen L. (Norway)

ROOM C

Mathys Ltd Bettlach



LW22 **Crossroads in Total Knee Arthroplasty**

Chair: Casteleyn P. (Belgium), Mertl P. (France)

Topic: Future challenges – challenging future? Any solution in sight?

Speaker: Matziolis G. (Germany)

Topic: Recent innovations in TKA – hype or hope?

Speaker: Eggli S. (Switzerland)

Topic: Polyethylene and vitamin E – a match made in heaven

Speaker: Delfosse D. (Switzerland)

ROOM E

Karl Storz



LW26 **Minimal-invasive technique for quadriceps –
tendon graft harvest**

Speaker: Fink C. (Austria)

ROOM F**Biomet****LW27 The Howell Approach to Anatomical ACL Reconstruction***Speaker: Howell S. (USA)***ROOM G****Sanofi Biosurgery****LW28 The Progressing Field of Cartilage Repair:**

In this symposium participants will learn about the changing regulatory environment in the EU, what Sanofi Biosurgery is doing to comply and how the Advanced Therapy and Medicinal Product (ATMP) regulations will affect clinical practice in 2013 and beyond. Participants will also learn how surgical techniques have evolved to more minimally invasive approaches as well as advancements in the field of patient rehabilitation are affecting patient outcomes.

*Chair: Kili S. (United Kingdom)***ROOM K****DePuy Mitek****LW25 The treatment of Rotator Cuff tears with Healix anchors:
Arthroscopic Subscapularis Repair: How I Do It***Chair: Nove Josserand L. (France)***ROOM L****Tornier****LW29 HLS KneeTec Total Knee System***Speakers: Bonnin M. (France), Neyret P. (France)*

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LUNCH WORKSHOPS
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12.30 - 13.30 h

LE SALÈVE Orteq Sports Medecine

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SPORTS MEDICINE

LW24 **Save the meniscus 2**

Chair: Verdonk R. (Belgium), Beaufils P. (France)

Topic: Importance of the meniscus and the consequences of meniscectomy

Speaker: Verdonk R. (Belgium)

Topic: Meniscal repair, Clinical options and How I do it

Speaker: Beaufils P. (France)

Topic: Meniscal scaffolds, The Italian experience

Speakers: Marcacci M. (Italy), Zaffagnini S. (Italy)

Topic: Meniscal scaffolds, The UK experience

Speaker: Spalding T. (United Kingdom)

Topic: Meniscus: the future

Speaker: Verdonk R. (Belgium)

EVENING WORKSHOPS
THURSDAY, MAY 3, 2012

19.00 - 20.30 h

ROOM E Tornier
U-KneeTec Workshop

TORNIER 

Speakers: Deschamps G. (France), Donell S. (United Kingdom)

LUNCH WORKSHOPS

FRIDAY, MAY 4, 2012

12.30 - 13.30 h

ROOM A

Arthrex GmbH

LW30

Chair: Imhoff A. (Germany)

Topic: AC Joint Reconstruction using DogBone Suture Buttons

Speaker: Imhoff A. (Germany)

Topic: Arthroscopic Biceps Tenodesis

Speaker: Flury M. (Switzerland)

Topic: Translateral Anatomic ACL Reconstruction

Speaker: Wilson A. (United Kingdom)

Topic: iBalance® High Tibial Osteotomy

Speaker: Slynarski K. (Poland)



ROOM B

Smith & Nephew

LW31

Hip Arthroscopy



ROOM C

Mathys Ltd Bettlach

LW32

Innovations in Total Shoulder Arthroplasty

Chair: Pap G. (Germany)

Topic: Affinis® Short: Implant philosophy and surgical technique

Speaker: Pap G. (Germany)

Topic: Importance of correct glenoid positioning in TSA

Speaker: Gregory T. (France)

Topic: Early clinical outcome of a new short stemmed prosthesis

Speaker: Pap G. (Germany)

Topic: Material innovation: What's next?

Speaker: Delfosse D. (Switzerland)



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LUNCH WORKSHOPS
FRIDAY, MAY 4, 2012

12.30 - 13.30 h

ROOM E

Karl Storz

LW34 **An algorithm for the treatment of bone loss in shoulder instability – The arthroscopic guide for the bone block transfer**

Chair: Franceschi F. (Italy)



ROOM F

Biomet

LW35 **The Juggerknot Technology:
A revolution in soft tissue reattachment**

Speakers: Gleyze P. (France), Calvo A. (Spain), Toussaint B. (France)



ROOM G

Ivy Sports Medicine

LW42 **Sports Medicine and Knee Injuries**

Speaker: Steadman J. R. (USA)



ROOM L

DePuy Mitek

LW37 **Meniscus Lesions:
How to improve the diagnostic and get indications
right Advanced meniscus repair techniques**



LE JURA

Smith & Nephew



LW41

**Proven Performance meets Continuous Innovation:
The influence of implant designs and Technologies in TKA outcomes**

Chair: Parratte S. (France)

Topic: Does Implant Design Influence Long-term Outcomes?

Speaker: Victor J. (Belgium)

Topic: Is VISIONAIRE Technology the answer to rotational alignment?

Speaker: Tibesku C. (Germany)

Topic: VERILAST Technology. An Engineer's Perspective

Speaker: Luyckx J. (Belgium)

Topic: Building further upon the JOURNEY experience

Speaker: Thomas N. (United Kingdom)

Topic: Optimising outcomes in Revision TKA

Speaker: Porteous A. (United Kingdom)

LE MT. BLANC

Stryker



LW40

**Anatomical ACL reconstruction using VersiTomic
flexible reaming technology**

Speaker: Steiner M. (USA)

LE SALÈVE

Stryker



LW33

**Knees: A Balancing Act – TKA Instructional Course
The Role of surgical philosophy and procedural technology in modern TKA**

Chair: Catani F. (Italy)

*Speakers: Eldridge J. (United Kingdom), Miles T. (United Kingdom),
Windhagen H. (Germany), Ghijssels I. (Belgium)*

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PARTNERS OF THE 15TH ESSKA CONGRESS



Gold Partner:
Arthrex, Germany

never stop moving®

Emerald Partner:
DePuy



STORZ
KARL STORZ — ENDOSKOPE

Bronze Partner:
Karl Storz, Germany



Diamond Partner:
Smith & Nephew, USA



European Orthopaedics

Silver Partner:
Mathys Ltd Bettlach, Switzerland



PT Partner:
DJO Global, UK

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EXHIBITORS LIST A-Z

ALPHABETICAL ORDER

Company	Country/City	Stand-No.
Adler Ortho S.R.L.	I-20032 Cormano	67
albrecht GmbH	D-83071 Stephanskirchen	20
Allenspach Medical AG	CH-4710 Balsthal	68
Amplitude	F-26000 Valence	48
Anika Therapeutics	USA-Bedford, MA 02420	16
Anteis SA	CH-1228 Plan les Ouates/Geneva	45
Arthrex GmbH	D-85757 Karlsfeld	01
ArthroCare	S-11130 Stockholm	73
Arthrosurface, Inc	USA-Franklin, MA 02038	09
B.Braun Aesculap	D-78532 Tuttlingen	46
Bauerfeind AG	CH-5452 Oberrohrdorf	64
Biomet	UK-Bridgend, CF31 3XA	31
Bledsoe Brace Systems	USA-Grand Prairie, TX 75051	13
Brainlab	D-85622 Feldkirchen	53, 54
Cayenne Medical, Inc	USA-Scottsdale, AZ 85260	15
ConforMIS Europe GmbH	D-90763 Fürth	21
CONMED LINVATEC EUROPE	B-1620 Drogenbos	41
ConvaTec, Inc.	USA-Skillling, NJ 08558	17
DePuy, DePuy Mitek	UK-Leeds, LS11 0BG	04
DeSoutter Medical Ltd	UK-Berkhamsted, HP4 1HL	47
DJO Global	UK-Guildford, GU2 8XG	03
DR MEDICAL	CH-4503 Solothurn	59
FH ORTHOPEDICS	F-68990 Heimsbrunn	34
FINCERAMICA	I-48018 Faenza (RA)	23
Geistlich Surgery	CH-6010 Wolhusen	36
GENOUROB	F-53500 Montenay	33
Harvest Technologies GmbH	D-81825 München	26
ISAKOS	USA-San Ramon, CA 94583	70
IVY SPORTS MEDICINE GmbH	D-82166 Gräfelfing	27
Karl Storz	D-78532 Tuttlingen	32
LCA Pharmaceutical	F-28000 Chartres	24

Mathys Ltd Bettlach	CH-2544 Bettlach	40
MEDACTA	CH-6874 Castel San Pietro	29
MEDECO-CH	CH-1266 Duillier	69
medi GmbH & Co. KG	D-95448 Bayreuth	22
Medical Vision AB	S-13130 Nacka	11
MOXIMED INTERNATIONAL GmbH	CH-8005 Zürich	37
Neoligaments	UK-Leeds, LS19 7UE	72
NET GmbH	D-86923 Finning	38
Newclip Technics	F-44690 La Hye Fouassiere	28
ORTEQ SPORTS MEDICINE	UK-London, SW1P 1SB	42
Phusis	F-38330 Saint Ismir	14
PKTD - Porto Knee Testing Device	P-4150-326 Porto	74
Primal Pictures	UK-London, W1W 5PA	63
Richard Wolf GmbH	D-75438 Knittlingen	12
RUDOLF MEDICAL GmbH & Co. KG	D-78567 Fridingen	25
RZ MEDIZINTECHNIK GmbH	D-78532 Tuttlingen	39
SAGE Publisher	UK-London, EC1Y 1SP	19
Sanofi Biosurgery	F-75008 Paris	05
Sawbones Europe AB	S-21616 Malmö	49
Simbionix USA Corporation	USA-Cleveland, OH 44103	30
Smith & Nephew	USA-Andover, MA 01810	02
Springer	D-69121 Heidelberg	08
Stryker	CH-1820 Montreux	51
TBF – Cells and Tissues Bank	F-69780 Mions	60
TIGENIX NV	B-3001 Leuven	35
TORNIER	F-38330 Montbonnot St. Martin	10
TRB CHEMEDICA INTERNATIONAL SA	CH-1211 Geneva 12	43
VirtaMed AG	CH-8004 Zürich	71
Wisepress Medical Bookshop	UK-London, SW19 2JL	56
Wright Medical Technology	NL-1101 BA Amsterdam	75
Zimmer	CH-8403 Winterthur	06

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01	Arthrex GmbH	D-85757 Karlsfeld
02	Smith & Nephew	USA-Andover, MA 01810
03	DJO Global	UK-Guildford, GU2 8XG
04	DePuy, DePuy Mitek	UK-Leeds, LS11 0BG
05	Sanofi Biosurgery	F-75008 Paris
06	Zimmer	CH-8403 Winterthur
07	CONGRESS BAGS	
08	Springer	D-69121 Heidelberg
09	Arthrosurface, Inc	USA-Franklin, MA 02038
10	TORNIER	F-38330 Montbonnot St. Martin
11	Medical Vision AB	S-13130 Nacka
12	Richard Wolf GmbH	D-75438 Knittlingen
13	Bledsoe Brace Systems	USA-Grand Prairie, TX 75051
14	Phusis	F-38330 Saint Ismir
15	Cayenne Medical, Inc	USA-Scottsdale, AZ 85260
16	Anika Therapeutics	USA-Bedford, MA 02420
17	ConvaTec, Inc.	USA-Skilling, NJ 08558
19	SAGE Publisher	UK-London, EC1Y 1SP
20	albrecht GmbH	D-83071 Stephanskirchen
21	ConforMIS Europe GmbH	D-90763 Fürth
22	medi GmbH & Co. KG	D-95448 Bayreuth
23	FINCERAMICA	I-48018 Faenza (RA)
24	LCA Pharmaceutical	F-28000 Chartres
25	RUDOLF MEDICAL GmbH & Co. KG	D-78567 Fridingen
26	Harvest Technologies GmbH	D-81825 München
27	IVY SPORTS MEDICINE GmbH	D-82166 Gräfelfing
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74	PKTD - Porto Knee Testing Device	P-4150-326 Porto
75	Wright Medical Technology	NL-1101 BA Amsterdam
76	Philippe Pascoët Chocolatier	CH-1227 Carouge

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ESSKA

2-5 May 2012

HALL 1 & CONGRESS CENTER

LEGENDE

- ACCÈS MARCHANDISES
GOODS ACCESS
WARENZUFUHR
- ACCÈS PIÉTONS
PEDESTRIAN ACCESS
FUSSGÄNGERZUGANG
- AUTOROUTE
MOTORWAY
AUTOBAHN
- ROUTE
ROAD
STRASSE
- ACCÈS PARKING
CAR PARK ACCESS
PARKHAUSZUFAHRT
- AÉROPORT INTERNATIONAL DE GENÈVE
GENEVA INTERNATIONAL AIRPORT
INTERNATIONALER FLUGHAFEN GENF
- GARE CFF GENÈVE-AÉROPORT
GENEVA-AIRPORT TRAIN STATION
BAHNHOF GENF-FLUGHAFEN



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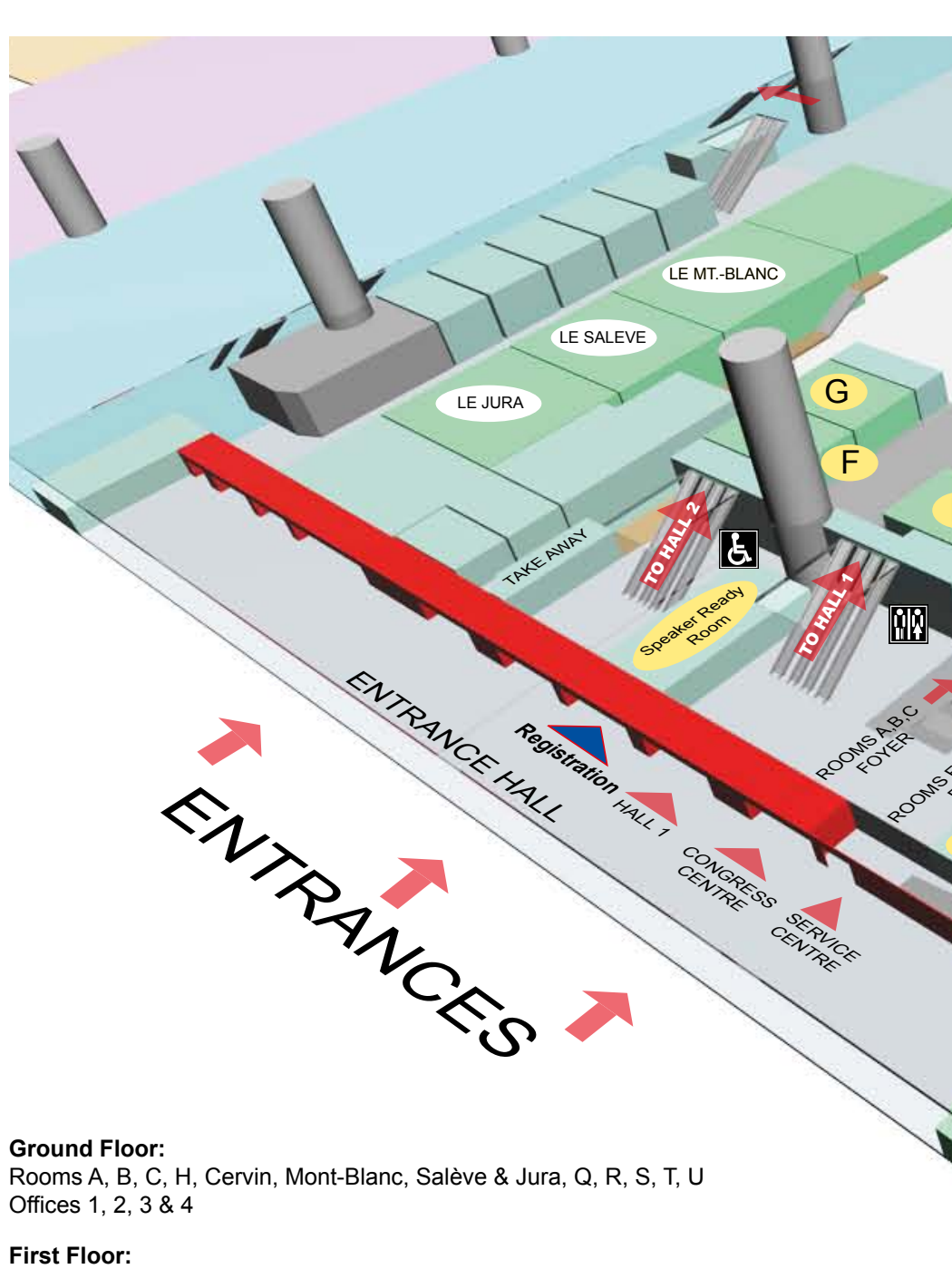
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CONGRESS CENTRE



Ground Floor:

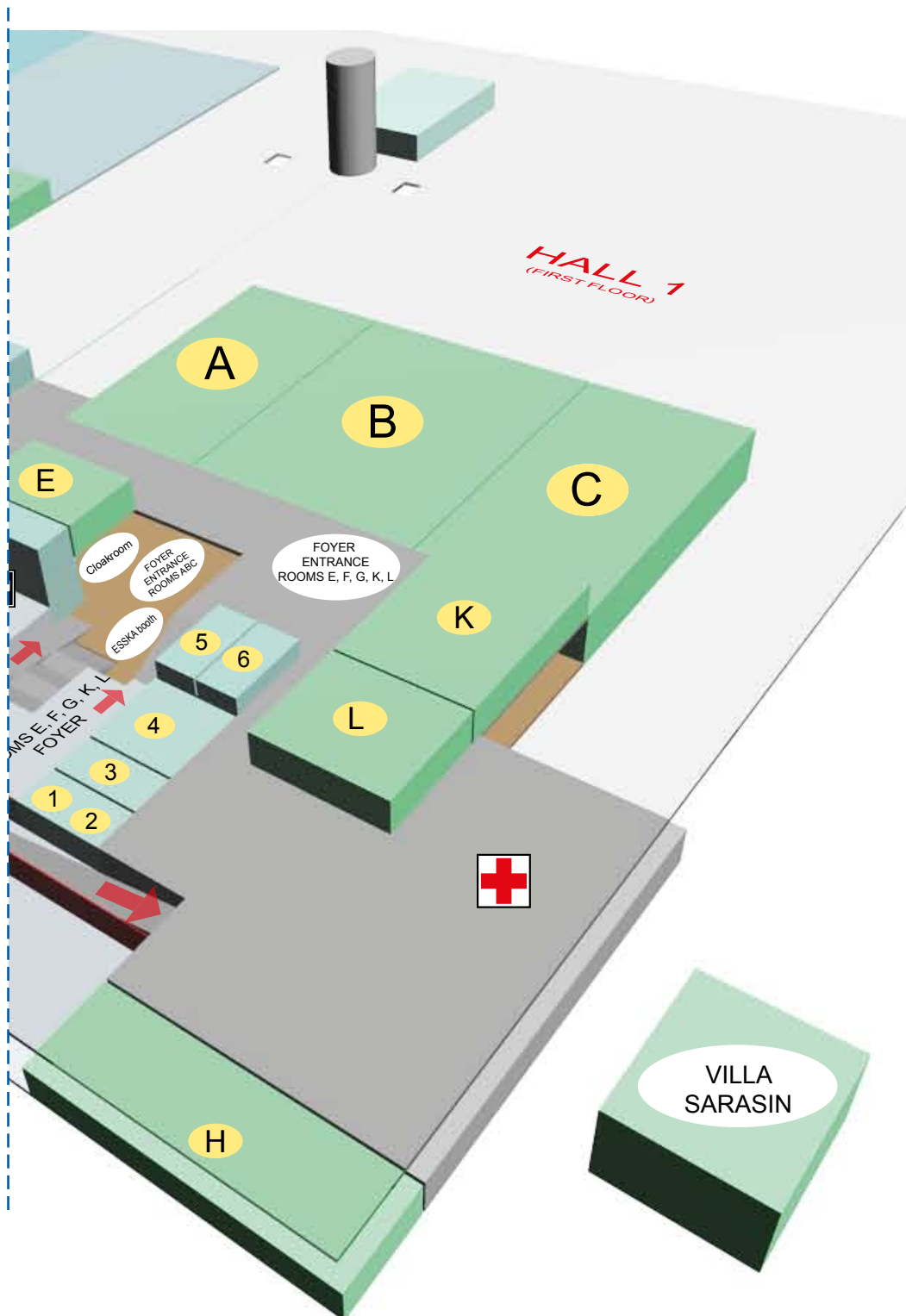
Rooms A, B, C, H, Cervin, Mont-Blanc, Salève & Jura, Q, R, S, T, U
Offices 1, 2, 3 & 4

First Floor:

Rooms E, F, G, K, L
Offices 5 & 6

Upper Level:

Exhibition Halls 1 & 2



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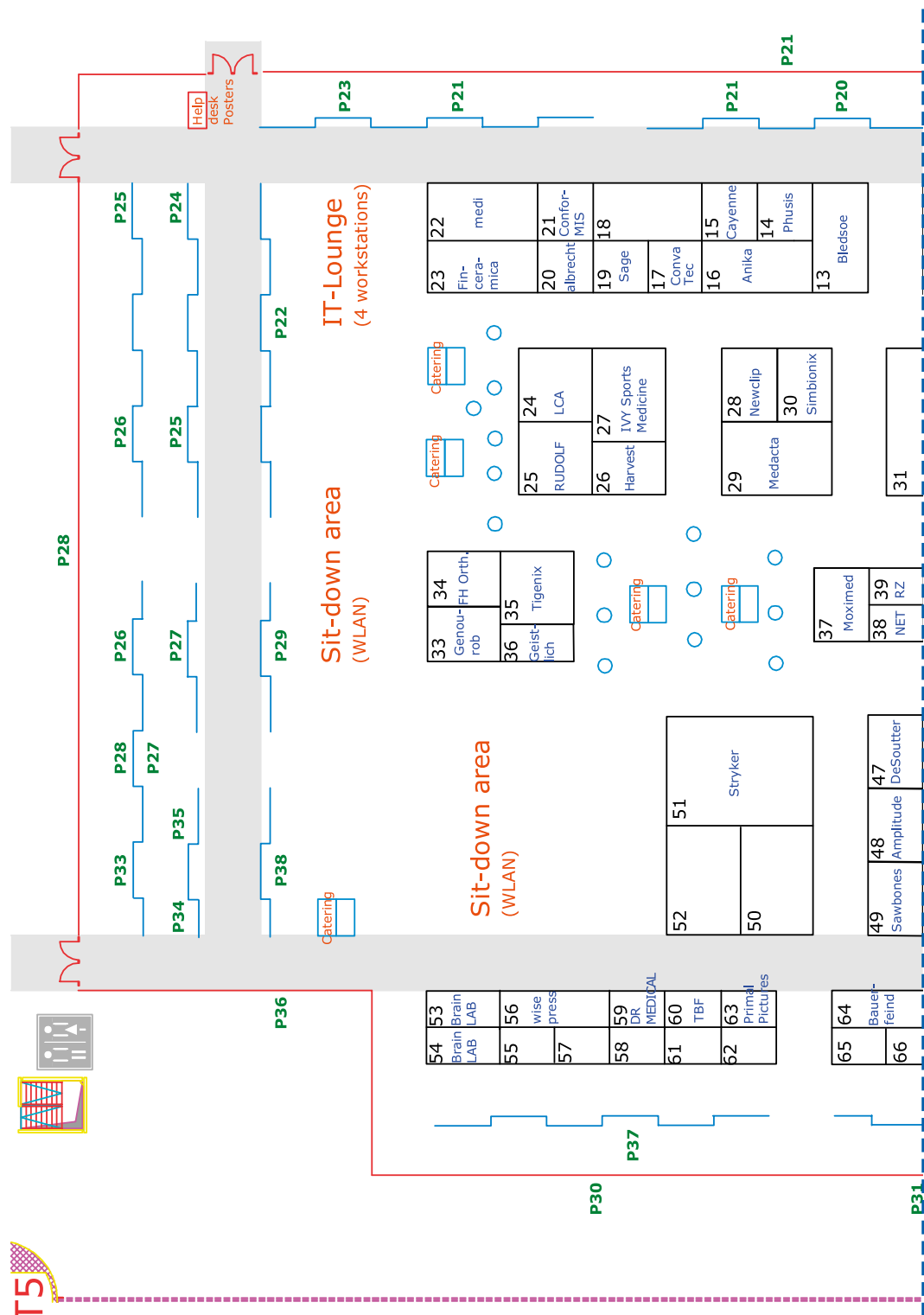
Floor plans

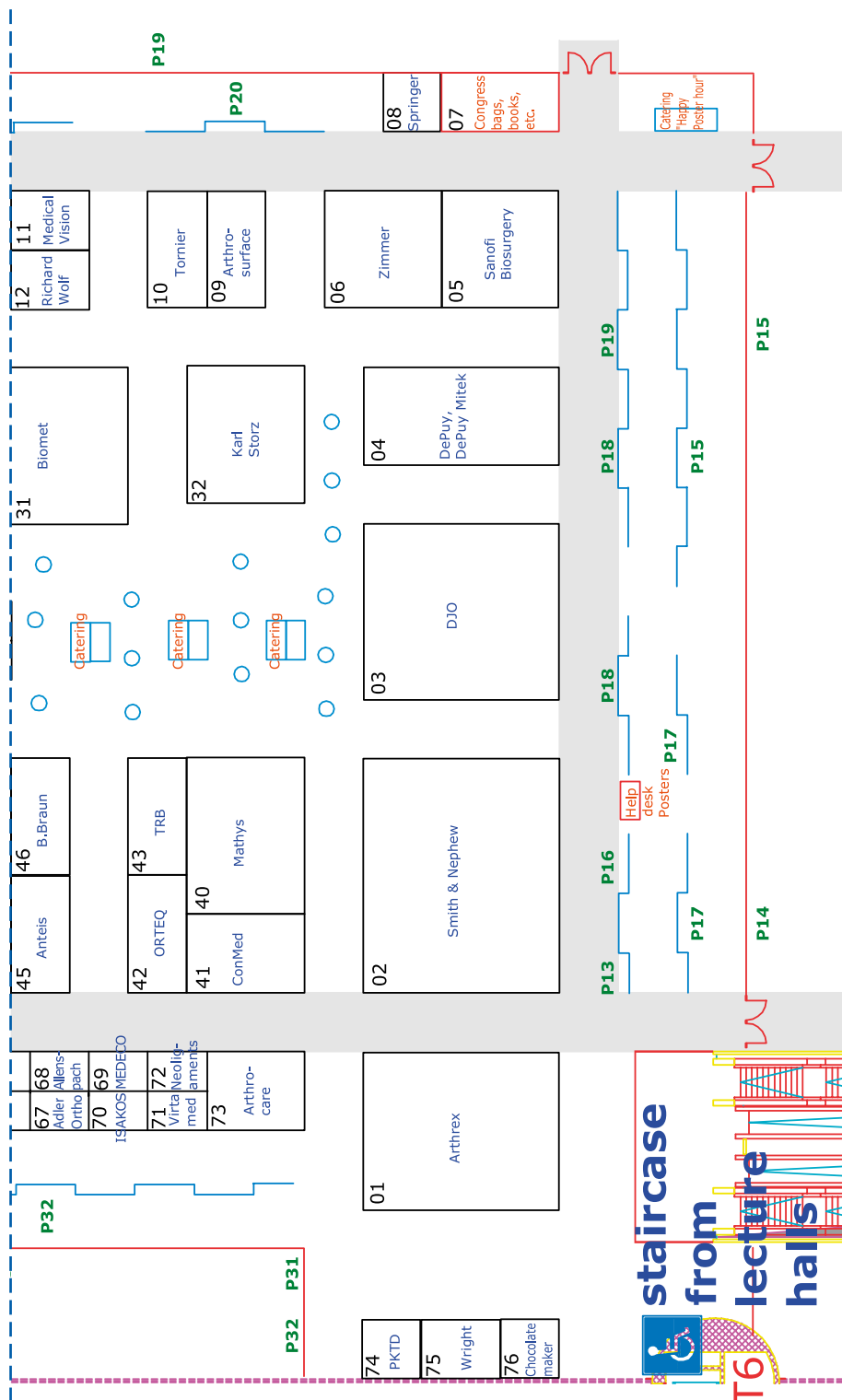
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EXHIBITION PLAN





ESSKA EDUCATIONAL PROGRAMME

ESSKA EDUCATIONAL PROGRAMME OVERVIEW

Dear ESSKA Members,

As Educational Secretary of the ESSKA, I am very pleased and honoured to announce the existing ESSKA educational opportunities for the ones I kindly invite you to apply to enlarge and improve your knowledge.

Please do not hesitate to contact myself (pietro.randelli@unimi.it) or Mrs. Marielle Cotinaut Mabilie (cotinaut.marielle@chl.lu) at the ESSKA office in case you may need further information or visit our web site on www.esska.org.

Furthermore, I am pleased to inform you that an Educational meeting point will be organised where you can meet me or someone from the ESSKA Office in case you would like to discuss personally with us the different educational proposals during the Geneva Congress **2-5 May 2012 at the ESSKA booth**. We will be pleased to assist and guide you.

Sincerely,

Pietro Randelli

ESSKA CHELSEA FC SPORT TRAUMA FELLOWSHIP

The ESSKA – Chelsea FC Sport trauma fellowship is a brand new fellowship starting in 2012 with the main focus to gain insight into the prevention, treatment of diagnosed sports injuries and rehabilitation. This fellowship offers a very practical based programme during 2 to 3 months with the opportunity to work with the Chelsea FC medical staff.

Conditions and application form on www.esska.org.

Deadline for application: 31.05.2012 for the period 15 August - 15 Nov. 2012
and for the period 15 Nov. 2012 - 1st Feb. 2013



Educational Programme generously supported by:

ESSKA KNEE REPLACEMENT VISITING FELLOWSHIP

The ESSKA – ZIMMER Joint replacement visiting fellowship is reserved to young surgeons from Europe, Middle East and Africa (20 candidates each year) who strongly wish to enlarge and improve their knowledge and competencies in orthopaedic joints replacement surgery.

The fellowship allows the candidates to visit highly qualified teaching surgeons and recognized orthopaedic centers in Western Europe for four weeks.

Candidates must be, at the time of application, below 40 years of age. The fellows will be notified of their selection during the month of January of each year. The scholarship lasts 1 month and the exact date of the fellowship will be chosen by the Head of the selected Centre in accordance with his availability.

The fellowship can only be won once. Applicants who have not been selected are allowed to apply again.

The amount of the grant is 3.000 EUR, which will have to cover all expenses of the applicant who, during his stay, will be lodged at his own expense. 2.000 € will be transferred to the respective host and be delivered to the fellow upon his arrival. The rest, 1.000 € will be transferred to the fellow's account at the end of the fellowship after having completed seriously the provided questionnaire.

Conditions and application form on www.esska.org.

Deadline for application: 01. 08. 2012

Educational Programme generously supported by:



ESSKA AOSSM-APOSSM TRAVELLING FELLOWSHIP

This renowned biannual international exchange programme for up and coming sports medicine orthopaedic surgeons, in collaboration with the American Orthopaedic Society for Sports Medicine (AOSSM) and the Asia Pacific Orthopaedic Society for Sports Medicine (APOSSM), provides a stimulating environment for the global growth of sports medicine. Selected as potential leaders in sports medicine in the future, fellows will, among others:

- participate in scientific symposia with host physicians
- view research facilities and surgical procedures
- attend a national sports medicine meeting in the region they are visiting
- participate in the social and cultural activities with the hosting sports medicine community

Conditions and application form on www.esska.org.

Deadline for application: 01. 08. 2012

Educational Programme generously supported by:



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ESSKA EDUCATIONAL PROGRAMME

ESSKA-SLARD TRAVELLING FELLOWSHIP

Just as our exchange tours with the US and the Asian-Pacific societies, ESSKA is excited to enlarge this unique and wonderful learning experience to our South-American friends. In collaboration with SLARD (Sociedad Latinoamericana de Artroscopia, Rodilla y Traumatología Deportiva), we organize this brand-new tour where one godfather and 3 fellows will be able to visit highly renowned institutions during a time frame of 2 weeks 3 week-ends.

In 2012, our South-American friends will tour through Europe, while the ESSKA fellows will go to South America in 2013.

Conditions and application on www.esska.org.

Deadline for application: 01. 08. 2012

Educational Programme generously supported by: 

ESSKA SCHOLARSHIP PROGRAMME EASTERN EUROPE & INTERNATIONAL

The ESSKA Scholarship program is reserved to young doctors (<40 years old) from Europe, East Europe, Middle-East, Africa, who strongly wish to enlarge and improve their knowledge and competencies in orthopaedic sports medicine, knee surgery and arthroscopy.

The scholarship allows the scholars to visit highly qualified teaching surgeons and recognized sports medicine centers in Western Europe for several weeks.

Conditions and application form on www.esska.org.

Deadline for application: 01. 08. 2012

Educational Programme generously supported by: 

ESSKA ALWIN JÄGER ADVANCED CAREER DEVELOPMENT AWARD

The ESSKA Senior Fellowship is reserved to senior orthopaedic surgeons (over 40 years) to pass one week in an ESSKA accredited teaching Centre.

Conditions and application form on www.esska.org.

Deadline for application: 01. 08. 2012

Educational Programme generously sponsored by:



KNEE

ARTHROPLASTY FELLOWSHIP 2012

This Travelling Fellowship tour wishes to address surgeons who want to meet with the best European surgeons in the fields of Sports Traumatology, Knee Surgery and Arthroscopy. Candidates can be young doctors beginning their speciality, or more experienced doctors, who want to specialise in the fields covered by this tour. Candidates should be very clear in their mind about the speciality in which they want to advance.

Conditions and application form on www.esska.org.

Deadline for application: 01. 08. 2012

Educational Programme generously sponsored by: **TORNIER** 

ESSKA

EUROPEAN ARTHROSCOPY FELLOWSHIP

ESSKA is excited to be part of this common initiative between the European National Societies, AEA / SPAT, AGA, SIGASCOT and SFA! 5 Fellows will be chosen (1 per society) to travel 3 weeks to the best centers in Europe. You will visit following countries: Germany, Austria, Spain, France, Italy and Portugal. One fellow will be chosen by the ESSKA among European applications (except France, Italy, Germany, Portugal and Spain as those applications should be addressed to the participating national society).

Conditions and application form on www.esska.org.

Deadline for application: 20. 05. 2012

Educational Programme generously sponsored by: **Arthrex** 

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KNEE GENERATION

ChondroMimetic™

Off the shelf scaffold for the single step treatment of small osteochondral lesions.



Advanced biomaterial technology

Natural composition¹

Cell-mediated resorption²

Optimised pore architecture²

Novel shape memory²

Single step arthroscopic delivery

ChondroMimetic™ is a CE marked device and is approved for use in the European Economic Area

Abbreviated prescribing information for ChondroCelect®

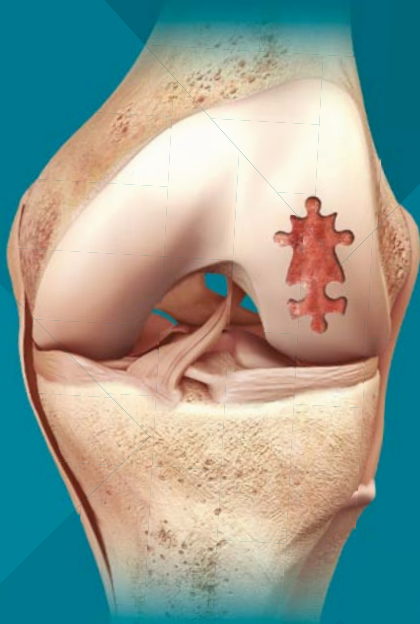
NAME OF THE MEDICINAL PRODUCT: ChondroCelect®
10,000 cells/microlitre implantation suspension.

QUALITATIVE AND QUANTITATIVE COMPOSITION: **General description:** Characterised viable autologous cartilage cells expanded *ex vivo* expressing specific marker proteins. **Qualitative and quantitative composition:** Each vial of product contains 4 million autologous human cartilage cells in 0.4 ml cell suspension, corresponding to a concentration of 10,000 cells/microlitre.

PHARMACEUTICAL FORM: Implantation suspension. Before re-suspension the cells are settled to the bottom of the container forming an off-white layer and the excipient is a clear colourless liquid. **Therapeutic indications:** Repair of single symptomatic cartilage defects of the femoral condyle of the knee (International Cartilage Repair Society (ICRS) grade III or IV) in adults. Concomitant asymptomatic cartilage lesions (ICRS grade I or II) might be present. Demonstration of efficacy is based on a randomised controlled trial evaluating the efficacy of ChondroCelect® in patients with lesions between 1-5cm².

Posology and method of administration: ChondroCelect® must be administered by an appropriately qualified surgeon and is restricted to hospital use only. ChondroCelect® is solely intended for autologous use and should be administered in conjunction with debridement (preparation of the defect bed), a physical seal of the lesion (placement of a biological membrane, preferentially a collagen membrane) and rehabilitation. **Posology:** The amount of cells to be administered is dependent on the size (surface in cm²) of the cartilage defect. Each product contains an individual treatment dose with sufficient number of cells to treat the pre-defined lesion size, as measured at biopsy procurement. The recommended dose of ChondroCelect® is 0.8 to 1 million cells/cm², corresponding with 80 to 100 microlitre of product/cm² of defect. **Method of administration:** ChondroCelect® is intended solely for use in autologous cartilage repair and is administered to patients in an Autologous Chondrocyte Implantation procedure (ACI). The implantation should be followed by an appropriate rehabilitation schedule for approximately one year, as recommended by the physician. **Contraindications:** Hypersensitivity to any of the excipients or to bovine serum. ChondroCelect® must not be used in case of advanced osteoarthritis of the knee.

Undesirable effects: In a randomised, controlled study in the target population, 51 patients were treated with ChondroCelect®. In these patients, a periosteal flap was used to secure the implant. Adverse reactions occurred in 78.4% of the patients over a 36-months postoperative follow-up period. The most common adverse reactions were arthralgia (47.1%), cartilage hypertrophy (27.4%), joint crepitation (17.6%) and joint swelling (13.7%). Adverse reactions collected from 370 patients included in a Compassionate Use Program are similar to those reported in the target population. Most of the reported adverse reactions were expected as related to the open-knee surgical procedure. The most frequently occurring reactions reported immediately after surgery include joint swelling, arthralgia and pyrexia. These were generally mild and disappeared in the weeks following surgery. **Adverse reactions of special interest:** **Arthrofibrosis:** In the compassionate use patients, a higher incidence of arthrofibrosis and decreased joint range of motion was observed in a subgroup of patients with a patellar lesion (8.2% and 13.1% respectively) compared to non-patellar lesions (0.6% and 2.6% respectively). **Cartilage hypertrophy:** In the majority of the 370 patients included in the Compassionate Use Program, a collagen membrane instead of a periosteal flap was used to seal the defect.



CHONDROCELECT®

Characterised viable autologous
cartilage cells expanded *ex vivo*
expressing specific marker proteins.



First in class Advanced Therapy Medicinal Product
Cartilage regeneration using characterised quality cells
Significant benefit demonstrated in a level 1 RCT^{3,4}

ChondroCelect® is a medicinal product and is currently available and authorised
for use in the European Economic Area

ChondroCelect® is subject to restricted prescription. Please refer to the prescribing information below.

According to current literature the incidence of cartilage hypertrophy can be reduced by using a collagen membrane to cover the lesion site instead of using a periosteal flap (Gooding *et al.*, 2006; Niemeyer *et al.*, 2008). When a collagen membrane was used to seal the lesion site after application of ChondroCelect®, the incidence of cartilage hypertrophy was reported to be 1.8% compared to 25% in the randomised, controlled trial alone.

Name of the MA holder: TiGenix NV, Romeinse straat 12/2, B-3001 LEUVEN, Belgium.

Market authorisation number: EU/1/09/563/001.
Medicinal product to restricted medical prescription – restricted to hospital use only.

1. AK Lynn *et al.*, 'Design of a multiphase osteochondral scaffold. I. Control of chemical composition', *J Biomed Mater Res A*. 2010 Mar 1;92(3):1057-65.
2. TiGenix data on file
3. Saris, D. B., *et al.*, "Characterized Chondrocyte Implantation Results in Better Structural Repair when Treating Symptomatic Cartilage Defects of the Knee in a Randomized Controlled Trial versus Microfracture." *Am. J. Sports Med.* 36.2 (2008): 235-46.
4. Saris, D. B., *et al.*, "Treatment of Symptomatic Cartilage Defects of the Knee: Characterized Chondrocyte Implantation Results in Better Clinical Outcome at 36 Months in a Randomized Trial Compared to Microfracture." *Am. J. Sports Med.* 37 Suppl 1 *Am. J. Sports Med.* (2009): 10S-19S.

ChondroMimetic™ is manufactured by
TiGenix Ltd.
Byron House, Cambridge Business Park
Cambridge, CB4 0WZ
UK
Phone +44 (0) 1223 437470
Fax +44 (0) 1223 437471

TIGENIX
Living Medicines

TiGenix NV
Researchpark Haasrode 1724
Romeinse straat 12 bus 2 - 3001 Leuven,
Belgium
Phone +32 (0) 16 39 60 60
Fax +32 (0) 16 39 79 70
info@tigenix.com
www.tigenix.com

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EVENTS

POSTER HAPPY HOUR WELCOME RECEPTION

The evening of the first official congress day is dedicated to meeting your colleagues and friends from all around the world attending the ESSKA Congress 2012! Following the last session we will all gather in Hall 1 at 18:00 for a walk through the large poster exhibition area, enjoying a glass of beer and some snacks and discussing with poster presenters.

Join the official welcome to Geneva from 18:30, with typical wine and music!

Date: Wednesday, May 2, 2012

Time: 18:00 - 18.30 Poster Happy Hour in Hall 1
18:30 - 19:30 Welcome Reception

Venue: PALEXPO Congress Centre

We thank Geneva Republic for the support of the welcome reception!



BUCHERER WATCHMAKER COURSE



Date: Thursday 10:00 - 12:00
Thursday 14:30 - 16:30
Friday 10:00 - 12:00
Friday 14:30 - 16:30

Group of maximum 12 people

Fee: 25,00 EUR; register at
main registration counter in the foyer

Venue: Lounge 5, Villa Sarasin,
located next to congress centre PALEXPO

BUILDING YOUR PERSONAL POCKET KNIFE

Since 1884 knives produced in the heart of Switzerland by Victorinox have set a landmark in the knife manufacturing business. Take your chance to build your own pocket knife during the ESSKA Congress in Geneva. Check out the details at the registration counter and make sure you get one of the few places in the course!

Date: Thursday, May 3, 2012
Friday, May 4, 2012

Registration: on-site at registration counter, places will be allocated on a first come first serve basis!

Venue: Villa Sarasin,
located next to Congress Centre PALEXPO

Picture: (PHOTOPRESS/Victorinox)



GALA DINNER

This year's conference dinner will take place at the Starling Hotel, located close to the PALEXO Congress Centre. This will be the perfect opportunity to meet with your colleagues in a friendly and fun atmosphere. You will be served a top quality meal and entertained by different acts that will contribute to creating an enjoyable and warm atmosphere.

Date: Friday, May 4, 2012

Time: Aperitif at 19:30, Dinner at 20:00

Venue: Starling Hotel,
Route François-Peyrot 34, 1218 Geneva

Tickets: 90,00 EUR, available at the
Intercongress registration counter
of PALEXPO Congress Centre



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TOURS

CITY TOUR OF GENEVA

- Price:
CHF 45,00 per participant
- Duration of the tour:
2 h
- City tour with live guide speaking
English
- Included:
Guided city tour by bus, by mini-train and by foot (2 h)
- Date and time:
All days at 10.30 am or 01.30 pm
- Departure from:
Place Dorcière (Geneva bus station)

The city tour of Geneva will bring you to visit the international part of Geneva through the centre of the world's peacemaking organizations followed by a tour of the main tourist attractions of the city like the Fountain and the wonderful Flower Clock. Then get a taste of Geneva's history with the mini-train tramway tour and dig even deeper into the old town with your guide on a walking tour.

Registration:

at "Tours" counter in the entrance foyer



GENEVA CITY TOUR & BOAT CRUISE

- Price:
CHF 58,00 per participant
- Duration of the tour:
3 h
- City tour with live guide speaking
English
- Included:
Guided city tour by bus, by mini-train and by foot (2 h) and commented boat cruise (1 h).
The excursion starts with the city tour and then the guide will drop the clients near the boat
- Date and time:
all days at 01.30 pm
- Departure from:
Place Dorcière (Geneva bus station)

The city tour of Geneva will bring you to visit the international part of Geneva through the centre of the world's peacemaking organizations followed by a tour of the main tourist attractions of the city like the Fountain and the wonderful Flower clock. Then get a taste of Geneva's history with the mini-train tramway tour and dig even deeper into the old town with your guide on a walking tour.

To complete this city tour, continue on the lake with a one hour commented boat cruise which will make you discover the major attractions of the lake of Geneva: the Water Fountain, the UN building, the castle of Bellerive, the Mermaid, and many more interesting sites.

For your pleasure, some drinks will be offered to you during the cruise.

Registration:
at "Tours" counter in the entrance foyer



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EXCURSION GENEVA: COUNTRYSIDE

- Price:
CHF 45,00 per participant
- Duration of the tour:
2 h
- Included: Tour with live guide speaking
French and English
- Date and time:
All days at 05.00 pm
- Departure from:
Place Dorcière (Geneva bus station).

The countryside will charm you with its history and the green wine yards! Its wonderful fortified houses and castles will seduce the romantic souls.

Registration:
at "Tours" counter in the entrance foyer



EXCURSION TO LAUSANNE – MONTREUX – CHILLON

- Price:
CHF 178,00 per participant
- Duration of the tour:
9 h 30
- City tour with live guide speaking
English
- Included:
Bus transportation, admission to the Castle of Chillon
- Excluded:
Meals
- Date and Time:
Tuesday, Thursday and Saturday at 9.00 am
- Departure from:
Place Dorcière (Geneva bus station)
- Return point:
6.30 pm Bus station, Place Dorcière.

Lausanne, picturesque town built on hills and cultural center of Switzerland. After orientation city tour, free time at the lake side or visit to the Olympic Museum. In the afternoon, through the Vaud countryside on the lake side, passing by the famous towns of Vevey and Montreux, we will arrive at the Chateau de Chillon, one of the finest monuments of our country where a guided tour will take place. Then, boarding a steamer that will surprise you leave the splendor of the landscape and eventually take you wander the streets of Montreux.

Registration:
at "Tours" counter in the entrance foyer



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TOURS

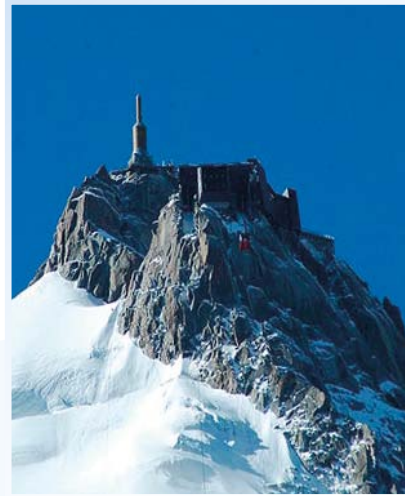
EXCURSION CHAMONIX – MONT BLANC

- Price:
CHF 111,00 per participant
- Duration of the tour:
9 h 30
- Included:
English speaking guide, transportation by bus
- Date and time:
All days at 8.30 am
- Departure from:
Place Dorcière (Geneva bus station)
- Return point:
6.30 pm Bus station, Place Dorcière.

You will be crossing the Franco-Swiss border. The passport and maybe visa is needed.
You can buy these options on the spot: Cable Car Aiguille du Midi (3842m): CHF 73,00 per participant, Mer de Glace: CHF 42,00 per participant, Lunch: CHF 42,00 per participant.

A 90 minutes' drive by bus through the picturesque Arve Valley takes us from Geneva to Chamonix, one of the most famous mountain village at the foot of the majestic Mont Blanc, the highest peak of Europe (4807m / 15.771 ft).

Registration:
at "Tours" counter in the entrance foyer

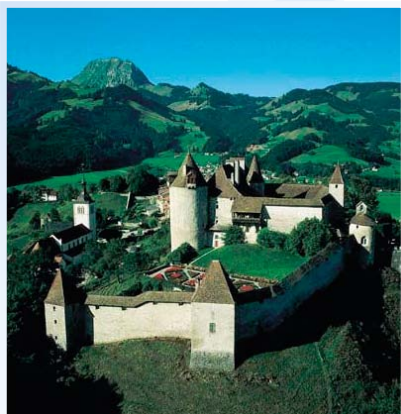


EXCURSIONS GRUYÈRES – GOLDEN PASS

- Price:
CHF 208,00 per participant
- Duration of the tour:
9 h 30
- Included:
English speaking guide, transportation by bus, chocolate tasting during the visit of the chocolate factory, cheese tasting in the cheese dairy, train ticket for the Golden Pass train, wine or juice tasting
- Excluded:
Meals
- Dates and time:
Wednesday, Friday and Sunday at 9.00 am
- Departure from:
Place Dorcière (Geneva bus station)
- Return point:
7 pm Bus station, Place Dorcière..

There is no better temptation than chocolate smell! Travel through chocolate tradition with tasting the most famous of Swiss delicacies. Admire the breathtaking landscapes of Gruyères. At the top of the hill, breathe pure mountain air and hear cowbells in the pasturelands. Enjoy authentic Alpine cheese making and suddenly become expert in cheese fondue by preparing yourself. After such an unforgettable experience, relax in comfortable ride aboard the famous Golden Express Train overlooking magnificent views of Lake Lemman. At the end of the day, let's discover the "1001 Secrets" of wine producing and in a dreamland setting. You will also discover the Lavaux, wine producing region classified UNESCO among the wonders of our planet.

Registration:
at "Tours" counter in the entrance foyer



Lunch Workshops

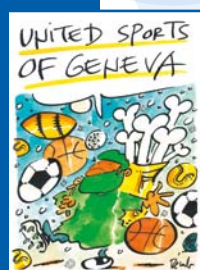
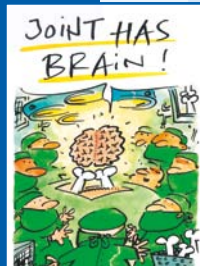
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MEET THE EDITOR

KSSTA JOURNAL

Jón Karlsson & Roland Becker

Wednesday & Thursday

12:30 - 13:30

**At the ESSKA booth
in foyer ABC.**

GENERAL INFORMATION

Date

May 2-5, 2012

Congress venue

PALEXPO Geneva/Switzerland
www.palexpo.ch

Congress website

www.esska-congress.org

Official language

English

Opening hours of the registration desk

Tuesday, May 1: 16:00 - 19:00
 Wednesday, May 2: 07:15 - 19:30
 Thursday, May 3: 07:00 - 18:00
 Friday, May 4: 07:00 - 18:00
 Saturday, May 5: 07:00 - 13:00

Opening hours of the industrial exhibition

Wednesday, May 2: 09.00 - 19.30
 Thursday, May 3: 09.00 - 19.00
 Friday, May 4: 09.00 - 18.00
 Saturday, May 5: 09.00 - 13.00

Contact to registration desk

Phone: +41 22 761 2500
 Fax: +41 22 761 2501
 (from April 30 - May 5, 2012)

Congress organisation

Intercongress GmbH
 Wilhelmstraße 7
 65185 Wiesbaden
 Germany
 Phone: +49 611 97716-0
 Fax: +49 611 97716-16
 E-mail: esska@intercongress.de



Registration

Registration fees can be paid in cash in EURO or by credit card (VISA and Master).

	ESSKA member	Non member
Senior MD **	500,00 €	750,00 €
Junior MD ** (resident, fellow)	300,00 €	500,00 €
Scientist **	300,00 €	500,00 €
Physiotherapist **	300,00 €	500,00 €
Student, nurse, allied health professionals	n.a.	200,00 €
Accompanying person	n.a.	75,00 €

** Important info: When registering as non member you will automatically become an ESSKA "trial member" until December 31, 2012.

As an ESSKA trial member you will have online access to the society journal, the KSSTA, and benefit from other exclusive membership services you can check on www.esska.org.

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GENERAL INFORMATION

Delegate's badge

Please wear your badge at all times as it guarantees admission to the industrial exhibition and the lecture halls. Lost badges may only be replaced upon proof of original payment.

ESSKA member: blue
Non-member: yellow
Accompanying person: green
Exhibitors: grey

Certificate of attendance

The certificate of attendance can be collected at the registration desk.
Please have your personalised badge at hand.

CME accreditation

The 15th ESSKA Congress is accredited by the European Accreditation Council for Continuing Medical Education (EACCME) to provide the following CME activity for medical specialists. The EACCME is an institution of the European Union of Medical Specialists (UEMS), www.UEMS.net.



The 15th ESSKA Congress is designated for a maximum of 21 hours of European external CME credits. Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

EACCME credits are recognized by the American Medical Association towards the Physician's Recognition Award (PRA). To convert EACCME credit to AMA PRA category 1 credit, contact the AMA.

Poster exhibition and Poster Happy Hours (with drinks and snacks)

The poster exhibition is located in Hall 1.

Poster size: max. height: 230 cm max. width: 97 cm

All posters should be placed on the relevant poster board. Posters may be set-up on Wednesday, May 2, 07:30 - 10:00

All poster presenters are kindly requested to be present at their poster wall for questions and discussion during the given Poster Happy Hour times.

Wednesday May 2, 18:00 - 18:30 Poster Happy Hour I

Thursday May 3, 18:00 - 19:00 Poster Happy Hour II

Posters should be removed on

Saturday, May 5, 10:30 - 13:30

Posters not removed after 13:30 will be discarded. Posters and other material cannot be sent to your home address after the conference.

WiFi internet access

WiFi will be available in the congress centre and Hall 1 provided on all congress days free of charge. There is no code or password necessary! Please select the SSID: ESSKA Congress

Speakers' onsite preparation room

The speaker preparation room is located on the ground floor in the congress centre, behind the registration counter.

All presentations should be uploaded via the presentation tool called "E@syPPT". Please visit the preparation room at least two hours prior to your session, i.e. if a presentation is being held during a morning session it should be checked at the end of the day before. In the preparation room technicians will be at your disposal. Personal laptops must not be used for presentations in the lecture halls. Speakers are kindly requested to follow the instructions of the chairperson and strictly keep to the time limit of their presentation.

Welcome desk

There will be a Welcome desk at the Airport Cointrin in Geneva located on the arrival level.

Opening hours are:

Tuesday: 10:00 - 21:00

Wednesday: 07:00 - 12:00

Sit down area, internet corner

In the exhibition hall (see plan pages 204-205) you will find 2 large sit down areas. Here you can meet colleagues, have a talk, check your mails (WiFi) or relax for a moment.

In case you did not bring your laptop or online device, you can log on to the internet in the internet corner where computers will be at your disposal.

Pécub – cartoonist

During the congress you will have the opportunity to follow the excellent perception and art of the Swiss cartoonist and lightning sketcher Pécub! Don't miss out on his visual acuity and felicitous drawings that originate so swiftly!



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Book Discount for ESSKA Members

Get your 25% discount on all Springer books at the Springer booth no. 08.



Kindly supported by

QUICK FACTS

Weather

Because of Geneva's location in the middle of Europe, there is a moderate climate during the spring months. The average temperature in May is: max. 18° Celsius (64° Fahrenheit) and min. 7° Celsius (44,6° Fahrenheit)

Time Zone

Geneva is located in the middle European time zone (GMT).
The difference between World Time (UTC) is thus +1h

Modern communication

Dialling code: +41

Emergency number:

112

Electricity

Power 230 V, 50 Hz. Please be aware that you might need an adapter to plug in electronic devices since sockets are special.
(see picture, source: www.haus-forum.ch).



Language

Official Language: French

Currency (as of March 2012)

CHF (Swiss Franc)

CHF 1,00 = € 0,83

CHF 1,00 = £ 0,69

CHF 1,00 = \$ 1,09

About Geneva

Geneva is the second largest city of Switzerland. It is located in the west of Switzerland, between the close Alpine peaks and the Jura Mountains, in the bay where the Rhône is leaving the Lake Geneva. It is also called the "city of peace" and it is the host of the European office of the UNO as well as the head office of the International Red Cross. The town's landmark is the "Jet d'eau" a 140 m high water jet on the verge of the Lake Geneva. A destination that is worthwhile an excursion is the mountain Salève that is already located in France but the visitors reach it by a cable car from Geneva within 5 minutes. The stunning view over Geneva and surroundings is worth a visit.

Additional source of information

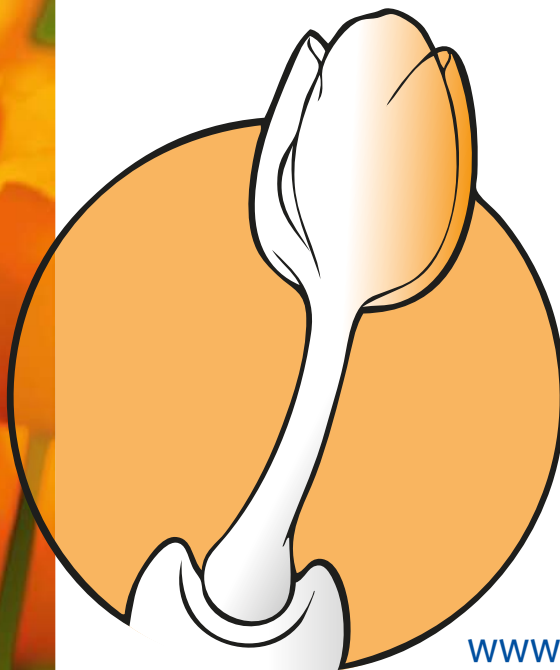
www.myswitzerland.com

AMSTERDAM / THE NETHERLANDS



16th ESSKA Congress

May 14-17, 2014



CONGRESS PRESIDENT
C. Niek van Dijk

ESSKA PRESIDENT
João Espregueira-Mendes

SCIENTIFIC CHAIRMEN
Stefano Zaffagnini
Roland Becker
Gino Kerkhoffs



www.esska-congress.org

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Faculty

FACULTY A-Z

Family name	First name	Presentation(s)
A		
Aagaard	Henrik	L: SY43
Abat	Ferran	V: FP12-957, P25-966, P21-973
Abdel-Hamid	Mohamed	V: P29-649
Abrassart	Sophie	V: P37-1136, FP11-1133
Achtnich	Andrea	V: P19-527
Ackermann	Paul	V: P36-625
Adamczyk	Grzegorz	V: ICL21-4248, ICL11-4231
Adler	Tom	V: P23-251
Adravanti	Paolo	L: FP21, SY53 V: ICL13-4135, SY53-4325, SY30-4299
Ahlén	Mattias	V: SY33-4378, FP27-1026
Akme	Ramazan	V: P15-1025
Akoto	Ralph	V: P21-916
Alam	Mahbub	V: FP38-878, P23-893
Albright	John P.	V: P28-544, P28-1056
Al-Dadah	Oday	V: P19-1019, P32-778, P19-75
Alevrogiannis	Stavros	V: FP15-960, P27-970
Almeida	Isabel	V: P13-1163
Almqvist	Karl Frederik	L: SY51, FP27, B16 V: ICL13-4139, FP12-1122, P26-172
Alnahdi	Ali	V: P30-676, P32-1257
Altman	Gregory	V: P21-1482
Alvand	Abtin	V: FP25-637, FP23-616
Alvarez Diaz	Pedro	V: P25-945
Amendola	Ned	V: ICL16-4024, SY21-4069, SY17-4075, SY10-4416
Amis	Andrew A.	L: SY26, SY49, FP10, SY19
Anand	Amarjit	V: P29-125
Angelis	Konstantinos	V: SY54-4348
Antonogiannakis	Emmanuel	V: FP19-975, P15-1335, P15-1215, ICL12-4385, P14-1319
Apostolopoulos	Ioannis	V: P19-842
Araujo	Paulo	V: FP10-816
Ardern	Clare	V: FP39-1082
Arendt	Elizabeth	V: P28-316, FP27-1168, FP20-314, P28-315
Ares	Oscar	V: P32-1347, P36-1337
Argenson	Jean-Noel	L: ICL19 V: IL16-4002, ICL19-4146, SY26-4181, SY16-4287, SY20-4055
Ármason	Árni	V: P37-1394
Arndt	Joseph	V: P18-1446
Arnold	Markus	L: FP18
Aroen	Asbjorn	L: ICL20, FP42, SY18 V: ICL15-4157, SY35-4159, ICL20-4100
Arrigoni	Paolo	L: FP44 V: ICL26-4240, R10-4393, R10-4394, R10-4395
Asai	Shigehiro	V: P22-683
Askling	Carl	L: PT20, PT22 V: PT12-4310, PT12-4312
Atzei	Andrea	V: ICL21-4253
Audebert	Stéphane	V: SY31-4164
B		
Bae	Ji-Hoon	V: FP26-1049, P24-1036
Bagger Bohn	Marie	V: FP41-1166
Bahr	Roald	L: FP29, KN14 V: SY33-4376, SY10-4415
Bait	Corrado	V: SY23-4050
Baldini	Andrea	L: FP13 V: ICL13-4138, P32-1081, P30-1085, SY38-4209, P30-27
Bali	Kamal	V: P20-126, P20-127
Bandholm	Thomas	V: FP13-664
Banke	Ingo	V: FP38-1378
Bányai	Tamás	V: P22-326
Barenius	Björn	V: FP18-1420
Barié	Alexander	V: FP15-1091
Battistella	Ferdinando	V: ICL21-4247, ICL17-5041
Baudi	Paolo	V: SY24-4171
Baur	Eva-Maria	V: ICL21-4249
Beaufils	Philippe	V: KN26-4032, SY42-4213, FP12-623, SY25-4266
Becher	Christoph	V: P33-1391, P28-1352
Becker	Roland	L: FP26 V: SY42-4214, SY46-4229, SY39-4045
Beitzel	Knut	V: P14-938, FP29-948, FP11-958, P36-965, P15-1204, ICL23-4314
Bellemans	Johan	L: SY42 V: SY26-4180
Belopolsky	Alissa	V: P14-130

Family name	First name	Presentation(s)
Belvedere	Claudio	V: FP13-621
Benazzo	Francesco	L: SY38 V: SY13-4133
Bencke	Jesper	V: FP29-1243
Benea	Horea	V: P21-955
Benedetto	Karl-Peter	L: SY35, ICL15 V: KN28-4029, R11-4404, P23-216, SY35-4161, SY53-4326
Benjaminse	Anne	V: P20-790, P38-633
Bennell	Kim	V: PT11-4119, PT13-4127
Bere	Tone	V: P20-1105, FP29-1116
Berghs	Bart	V: SY22-4206
Berhouet	Julien	V: FP13-704
Biedert	Roland	V: SY27-4039
Bilgic	Erkal	V: P30-1150
Bin	Seong Il	V: SY43-4102, P25-230, P25-10, P25-30
Biosca	Paco	V: R12-4406
Bisicchia	Salvatore	V: P15-840, P20-585, P15-833
Bisson	Leslie	V: P16-307, FP18-312, P18-313, FP14-56
Bizzini	Mario	L: PT12, PT15, FP39
Blankevoort	Leendert	L: FP45
Blond	Lars	V: FP38-538
Blonna	Davide	V: FP15-672, P14-669, FP11-678
Boileau	Pascal	V: P37-1513, P37-1514
Bollars	Peter	V: P27-195, P37-1270
Bonanzinga	Tommaso	V: FP10-618
Bonasia	Davide Edoardo	V: P29-589, FP43-507
Bonin	Nicolas	L: SY36 V: SY36-4109, SY36-4114
Bonnin	Michel	L: SY16 V: SY46-4226, SY44-4331
Bontemps	Gustav	V: P32-1512
Borbas	Paul	V: P15-451
Boykin	Robert	V: FP29-1439
Bradley	Ben	V: P18-483
Branch	Thomas	V: P22-1175, FP20-1170
Braun	Hillary	V: FP16-13, FP27-116
Briard	Jean-Louis	V: ICL13-4137
Briem	Kristin	L: PT21, PT23 V: PT11-4122
Briggs	Karen	V: FP17-692, FP42-1328, P22-1463, P26-1278
Brittberg	Mats	L: ICL24, FP16 V: ICL24-4187
Brophy	Robert	V: P37-1143, P37-756, FP18-1148
Browne	Jon	V: FP10-1181
Bruni	Danilo	V: ICL25-4222, P32-983, SY44-4332
Brzoska	Roman	L: ICL17 V: ICL17-4196, SY31-4168, ICL17-4200
Buchmann	Stefan	V: SY32-4149, P15-374
Buda	Roberto	V: FP16-219
Bulgheroni	Paolo	V: P24-848
Burnett	Robert	V: P32-1516
Buscayret	Florent	V: P19-337, AW11-4442
Busilacchi	Alberto	V: P15-1151
C		
Calder	James	L: ICL14, SY17, SY37 V: SY14-4068
Calvo Diaz	Angel	L: ICL12, FP44 V: KN24-4019, SY11-4429, ICL12-4303
Camacho Chacón	Jorge	V: P15-112
Camillieri	Gianluca	V: P22-1341, P21-1435, P27-1307
Canata	Gian Luigi	V: P21-1448, SY48-4084
Carmont	Michael	V: SY29-4088
Cartucho Pereira	Antonio	L: ICL17 V: ICL17-4192, ICL17-4200, SY11-4427, ICL12-4302, R10-4389
Carvalho	Lucio Honório	V: P26-175
Casalini	Elisabetta	V: NU10-4346
Casartelli	Nicola	V: FP14-344
Catani	Fabio	L: SY46 V: SY26-4183, SY46-4225, P30-911
Celik	Derya	V: P32-1503, P15-1501, P32-1502
Cerulli	Giuliano	L: FP14
Cervaens	Mariana	V: FP29-776
Chambat	Pierre	V: IL12-4015
Chan	Kai-Ming	L: SY55 V: SY55-4419, SY55-4422
Chan	Kok Yu	V: P30-21

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Family name	First name	Presentation(s)
Chang	Chong Bum	V: FP31-1029, P23-627, P22-570
Chang	Jihoon	V: FP44-1161
Charousset	Christophe	L: SY24 V: SY24-4170
Chen	Chih-Hwa	V: SY55-4421
Chen	Jerry	V: P32-1051
Chen	Lei-Yen	V: P18-859, FP22-853, P26-857
Cho	Sung Do	V: P32-1147, P22-1134, P30-1149
Choi	Ja-Young	V: P19-571
Choi	Nam-Hong	V: P20-42, FP12-41
Choi	Sung-Wook	V: P15-1201, P15-1230
Cholewinski	Jerzy	V: P22-1404
Chotel	Franck	L: SY25 V: SY25-4268
Chouliaras	Vasileios	V: P33-839, P22-837
Christel	Pascal	V: P20-797
Christen	Bernhard	L: FP31 V: P31-896, P32-904
Chun	Yong-Min	V: P23-726, P15-558
Ciampi	Pietro	V: P15-1436, P15-1292, P15-1015
Ciemińska-Gorzela	Kinga	V: P33-1154, P26-1226
Cinotti	Gianluca	V: P32-1237, P31-1258
Cip	Johannes	V: FP13-139
Claes	Steven	V: P37-1216, P21-1182, P21-228
Clarsen	Benjamin	V: P38-968, FP29-978
Colle	Francesca	V: P28-1158, P31-1267
Collin	Philippe	V: AW10-382
Colombet	Philippe	L: FP41, ICL27, SY47 V: ICL27-4352, SY47-4358
Combalbert	Laurent	V: SY28-4409
Confalonieri	Norberto	V: SY13-4134, P30-703, P28-699, P32-705
Conteduca	Fabio	V: P30-863
Conti	Marco	V: ICL23-4313
Cools	Ann M.	L: PT17, PT19, ICL23 V: PT10-4117, ICL23-4318
Corradini	Costantino	V: P18-1271
Couppé	Christian	V: AW11-5040
Courage	Olivier	L: NU10 V: NU10-4340
Courtine	Grégoire	V: IL14-4407
Cox	George	V: P29-758, P29-759, P32-173
Cucchiariini Madry	Magali	V: FP16-1260
D		
Dahm	Diane	V: P28-1481, SY16-4283
Danelon	Furio	L: PT24 V: PT14-4309
Darabos	Nikica	V: P21-1312
Dargel	Jens	V: AW11-4437
Dauphin	Nicolas	V: ICL21-4250
Davis	A.	V: P21-1176
De Bo	Thomas	V: AW11-4439
de Girolamo	Laura	V: P26-1112
De Jonge	Suzanne	V: SY29-4089
de Leeuw	Peter	V: ICL14-4060
De Man	Harald	V: SY34-4289
Deehan	David	V: SY30-4296
Dejour	David	L: SY27, SY12, FP38 V: SY27-4035, P28-1346, SY12-4274, SY12-4275, KN36-4281, SY12-4282
Delambre	Jérôme	V: FP33-1510
Delle Rose	Giacomo	V: SY32-4151
Della Villa	Stefano	L: PT15, PT13
Denti	Matteo	L: ICL16, SY55, R12 V: ICL16-4025, SY55-4423
Desai	Aravind	V: P29-959
Deschamps	Gerard	L: SY13 V: SY13-4129, ICL19-4141
Dhollander	Aad	V: P26-671, P26-44, P26-45, P26-50, P27-69
D'Hooghe	Pieter	V: ICL14-4062
Diaz Heredia	Jorge	V: FP11-170
Diehl	Stefan	V: P28-1217
Dienst	Michael	V: R11-4401, SY36-4105
Dimitrakopoulou	Alexandra	V: P17-1475, FP17-1477
Dippmann	Christian	V: P17-532
Djian	Patrick	L: SY10, FP30 V: ICL15-4155

Family name	First name	Presentation(s)
D'Lima	Darryl	V: SY16-4284
Dodd	Christopher	L: FP26 V: ICL19-4142, P30-1127, SY16-4285
Dominguez	Cristian	V: P20-1053
Donley	Brian	V: SY37-4364
Dora	Claudio	V: SY36-4106
Doral	Mahmut Nedim	L: FP22, FP45 V: SY27-4036, SY48-4085
Dragoo	Jason	V: P36-557, FP29-1046, FP40-34, FP35-118, FP14-119, P27-120
Drobnic	Matej	V: P28-1016, P26-485, P27-1022
Drwiega	Michal	V: P28-1320
Duarte Pereira	Hélder Miguel	V: FP41-1248, AW10-744, FP16-961
Dubrov	Vadim E.	L: KN26
Dunn	Warren	V: AW10-1263, P15-701, FP15-717
Dürselen	Lutz	V: FP10-450
Duthon	Victoria B.	V: FP29-650
E		
Ebert	Jay	V: AW10-281, P26-289, P26-290, FP16-280
Eddie	Leanne	V: P28-967
Eguchi	Akio	V: P22-1041
Eitzen	Ingrid	L: PT16, PT18 V: PT14-4305, PT14-4308
Ejrhed	Lars	V: P14-836
Ejiri	Soichi	V: P16-611
Ekeland	Arne	V: FP29-442, P29-445, P29-447
Ekstrand	Jan	V: SY50-4078
Elnikety	Sherif	V: P21-318, P19-317
Elsner	Jonathan	V: FP12-549, P24-762
Enea	Davide	V: P26-424
Engelbretsen	Lars	L: SY33, ICL22 V: KN14-4005, SY33-4382, B10-4372, SY50-4080, SY48-4083, SY51-4259, ICL22-4319, ICL22-4322, ICL18-4336
Engelen-van Melick	Nicky	V: FP45-178
Enomoto	Hiroyuki	V: P30-576
Ensini	Andrea	V: FP31-1191
Eriksson	Karl	V: KN34-4333
Erlund	Lucio	V: SY11-4424
Erquicia	Juan Ignacio	V: P17-1174
Espregueira-Mendes	Joao	L: SY10 V: KN15-4006, KN16-4007, SY10-4413
F		
Fabbriciani	Carlo	L: FP10
Fältström	Anne	V: P21-1188
Fansa	Ashraf	V: FP14-14
Faundez	Antonio A.	V: R12-4405
Fauno	Peter	V: ICL10-4246
Feagin	John	V: IL15-4016
Fechner	Alexander	V: P32-936, P28-927, FP14-933
Fehske	Kai	V: P18-1422, P37-1395
Fernandez-Sarmiento	J. Andres	V: P36-640
Ferretti	Andrea	V: ICL27-4351, P30-856
Ficek	Krzysztof	V: P36-882
Filardo	Giuseppe	L: SY29, FP43 V: SY29-4091, P27-518, FP35-574
Fink	Christian	V: SY27-4038, SY39-4047
Fiodorovas	Markas	V: P15-237, P14-238
Fitz	Wolfgang	V: SY20-4057
Fleaca	Radu	V: P27-940
Flurin	Pierre-Henri	V: ICL23-4317
Fontana	Andrea	V: FP17-864
Forsblad	Magnus	L: FP25 V: ICL16-4022
Foss	Ida Stange	V: P13-620
Fotopoulos	Vasileios Ch.	V: AW11-4434
Franceschi	Francesco	V: ICL23-4316, FP19-1094, P36-1096, FP11-1098, P37-1444, P15-1109, P15-1457, FP32-1460, P22-1451, ICL23-4315
Franz	Alois	L: ICL19 V: ICL19-4144
Frisch	Nicholas	V: P15-599
Fritschy	Daniel	L: SP10, IL12, IL14 V: NU13-4338
Frobell	Richard	V: SY33-4381
Frosch	Karl-Heinz	V: SY39-4046
Fu	Freddie H.	V: IL10-4013, SY15-4367

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Fuchs-Winkelmann	Susanne	L: SY30 V: SY38-4208, P30-609, SY30-4293
Fujimaki	Yoshimasa	V: P22-1408, P21-1398
Fujiya	Hiroto	V: P38-551
Funk	Lennard	V: SY24-4172
Furlan	Emanuele	V: P18-1018
G		
Gabriel	Sebastian	V: FP23-49
Gali	Julio	V: P23-167, FP30-257
Garavaglia	Guido	V: ICL12-4386
Gard	Suzanne	L: PT10, PT15
Gardner	Edward	V: P36-1414
Garling	Eric	V: P30-1218
Gatzka	Christian	V: P28-569
Gead	Nuno Ricardo Goncalves	V: P16-1369
Gelber Ghertner	Pablo	V: P23-232
Georgoulis	Anastasios	L: FP40, SY47 V: SY47-4357
Gervasi	Enrico	V: ICL12-4387
Getgood	Alan	V: FP41-1080, P22-1087, P18-1084
Ghodadra	Anish	V: FP35-665, P27-668, FP22-673
Ghosh	Kanishka	V: FP13-767
Giannini	Sandro	V: P33-221
Gifstad	Tone	V: FP15-561
Gleyze	Pascal	L: SY28, ICL23 V: KN29-4030, P15-1517, P15-1520, ICL17-4193, SY28-4408, SY28-4410, PT10-4118
Gobbi	Alberto	V: P28-1010, ICL24-4188, P26-1430, FP15-1003, P27-993
Gokeler	Alli	V: P21-2
Golano	Pau	L: SY41 V: ICL14-4059, SY50-4077, SY41-4186
Golovakha	Maksym	V: P37-300, P27-97
Gomoll	Andreas	V: ICL24-4190, SY51-4263
Gosh	Milton	V: SY26-4185
Goudelis	George	V: P27-39
Goyal	Ankit	V: P18-1055, P23-619, FP33-631
Goyal	Deepak	V: ICL24-4191
Granán	Lars-Petter	V: ICL20-4098
Granata Jr	Geraldo Sérgio Mello	V: FP30-1484
Griffith	Chad	V: ICL22-4320, ICL22-4321
Grindem	Hege	L: PT16, PT18 V: SY33-4380
Guillen Garcia	Pedro	V: P23-1219, KN30-4031
H		
Haag	Manuel	V: P15-1495
Haber	Mark	V: FP11-1102, P15-1156
Hafez	Mahmoud	V: SY20-4053
Häggglund	Martin	V: FP29-452
Hajduk	Grzegorz	V: P30-929
Haklar	Ugur	V: P24-985
Hal	Martin David	V: SY36-4113
Halewood	Camilla	V: P24-81
Hangody	Laszlo	V: AW11-4443
Hannouche	Didier	L: FP42
Hansson	Magdalena	V: P17-597
Hantes	Michael	L: FP25 V: ICL16-4021, FP10-785, P24-919, P23-1268, P21-740
Hapa	Onur	V: P19-93
Hašpl	Miroslav	V: P21-1363
Hara	Yo	V: P19-117
Haragus	Horia	V: P22-1213
Hardeman	François	V: FP12-249
Hardy	Philippe	L: IS10 V: IS10-4412
Harris	Simon	V: P28-1131
Hart	Radek	V: P27-65, FP18-68
Hartz	Claudia	V: P26-915
Hashimoto	Yusuke	V: P20-824, P20-822
Hassaballa	Mo	V: FP31-1464
Hatayama	Kazuhisa	V: FP41-54
Havlas	Vojtech	L: ICL11 V: ICL11-4230, ICL11-4235

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Heesterbeek	Petra	V: P32-535, FP31-521, P30-523
Heikenfeld	Roderich	V: P14-923
Hensler	Daniel	V: FP38-1316
Herbort	Mirco	V: P21-1374
Hermanowicz	Krzysztof	V: FP29-1009, FP14-1002
Hernan Prado	Miguel Angel	V: P19-541
Hernigou	Philippe	L: SY44 V: ICL19-4143, SY44-4329
Hetsroni	Iftach	V: FP17-258, ICL18-4335
Hewett	Timothy E.	V: IL11-4014
Heyse	Thomas J.	V: FP26-1165
Hiemstra	Laurie	V: P28-1483, P28-306
Higgins	Caroline	L: NU12 V: NU11-4345
Hinarejos	Pedro	V: FP31-774, FP31-868
Hiranaka	Takafumi	V: P19-176
Hirschmann	Michael Tobias	V: P24-545, P25-100, P26-240, P20-1334, SY19-4273
Hoffelner	Thomas	V: P21-1300
Höfling	Imke	V: P15-425, P15-427
Hofmann	Siegfried	L: KN21 V: SY38-4210
Höher	Jürgen	V: P18-913, SY12-4277, P23-1023, ICL10-4244
Hohman	Donald	V: P19-62
Hohman Jr	Donald	V: P18-979
Hoksrud	Aasne Fenne	V: FP28-861
Holm	Bente	V: P31-651
Hölmich	Per	V: P19-1155
Holwein	Christian	V: P20-689
Hoshino	Yuichi	V: FP41-512
Howell	Stephen M.	V: SY42-4216, SY20-5042
Howells	Nick	V: P28-392, P28-393, P28-383
Huard	Johnny	V: KN18-4012, IL17-4008
Hufeland	Martin	V: P17-942
Hulet	Christophe	L: SY31, FP12, SY19, NU13
Hussein	Mohsen	V: ICL10-4243
Huylebreek	Jose	V: SY48-4086
Hwang	Sun Chul	V: P18-821
I		
Imhoff	Andreas B.	L: SY39 V: SY39-4044, SY32-4149, SY24-4173
In	Yong	V: P32-811
Indelicato	Peter	L: SY10 V: SY10-4418
Inderhaug	Eivind	V: P21-1295
Iñiguez	Magaly	V: FP39-1474, FP12-1348
Innami	Ken	V: FP14-1101
Inoue	Masayuki	V: FP30-831
Intzoglou	Konstantinos	V: FP43-1138
Iosifidis	Michalis	V: P18-1392, FP43-1355
Iriuchishima	Takanori	V: P20-89, P18-90
Irrgang	James	L: FP29, PT14
Ishibashi	Yasuyuki	V: P23-492
Item	Julia	V: P20-658
J		
Jain	Neil	V: P37-951, P37-1415, P34-1052, P37-810
Jain	Sameer	V: FP22-1485
Janarv	Per-Mats	V: SY25-4269
Jang	Ki-Mo	V: FP16-742
Jang	Suk-Hwan	V: P19-1139
Janssen	Rob	V: P31-158, P21-161
Järvelä	Sally	V: P24-897
Järvinen	Tero	V: KN20-4027
Jelic	Mislav	L: KN15, KN32
Jermolajevs	Viktoras	V: ICL17-4199
Jones	Grant	V: FP19-463
Jost	Bernhard	V: SY31-4166
Juhl	Carsten	V: PT11-4120

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Family name	First name	Presentation(s)
K		
Kachoei	Amir Reza	V: P23-287
Kaeding	Christopher	V: P19-782, P20-791
Kaminen	Srinath	L: FP19 V: ICL17-4203, P15-681, P16-1354, P16-693
Kanatti	Ulunay	V: ICL12-4301
Kanazawa	Tomonoshin	V: P20-552
Kaplan	Yonatan	V: P20-190, P38-191, FP14-192, P17-194
Kaptein	Bart	V: SY19-4270
Karahan	Mustafa	L: FP20, ICL11 V: ICL11-4232, ICL11-4234
Karlsson	Jon	L: KN34, R13, SY14, B10 V: SY33-4382, SY14-4065
Kartus	Juri	L: ICL10
Kauther	Max Daniel	V: P37-475
Kawaguchi	Yasuyuki	V: P22-98
Kaya	Defne	V: P36-935
Kaynak	Haydar	V: P16-356
Kecojevic	Vaso	L: KN30
Keklikci	Kenan	V: P20-825
Kelberine	Francois	L: SY29, SY48 V: ICL26-4239, SY29-4087, SY29-4092
Keller	Richard	V: P32-1118
Kerkhoffs	Gino	L: SY50, SY17, SY14, SY21 V: ICL14-4063, R11-4402, SY14-4064, SY17-4074, SY50-4079
Kessler	Oliver	V: SY42-4212
Khan	Tanvir	V: FP10-771, P25-567
Kievit	Arthur	V: P18-73
Kim	Jae Gyoan	V: FP10-436, P20-488
Kim	Jin Goo	V: P23-1032
Kim	Jong In	V: P29-819
Kim	Young-Mo	V: P33-400, P25-401, P25-404
Kimura	Yuka	V: P21-765
Kjartansdottir	Inga Hrund	V: P33-1273
Klauser	Wolfgang	L: SY34 V: SY34-4291
Klos	Burt	L: ICL27 V: ICL27-4355, P24-1434
Knoll	Zsolt	V: P21-182
Knudsen	Andreas	V: P37-1160
Kobayashi	Takashi	V: P15-1195
Kocaoglu	Baris	V: FP11-1410
Koch	Peter Philipp	L: FP15, FP23 V: P30-454
Kodkani	Pranjal	V: P29-555, P28-201, P37-199
Kohn	Dieter M.	V: B16-4373
Kohn	Ludwig	V: P28-295
Komatsu	Fumito	V: P34-502
Komatsu	Takashi	V: P15-900
Kon	Elizaveta	L: PT13, SY51, B14, SY18 V: R11-4400, P26-220, P27-577, FP27-581, SY51-4262, KLN32-4383
Koo	Kevin	V: P30-1020
Kopf	Sebastian	V: P21-1234, P22-1325, FP10-1487
Korolev	Andrej	L: FP11 V: ICL17-4201
Kosaka	Masahiro	V: P22-815
Kovacic	Ladislav	L: KN35, KN11 V: FP24-1336
Krosshaug	Tron	V: FP32-1403
Kucukdurmaz	Fatih	V: KN31-4033
Kuksov	Vitaly	V: P37-188
Kunac	Nino	V: P17-787
Kunamneni	Adinarayana	V: P16-1480, P16-1326
Kuroda	Ryosuke	V: P18-435
Kurowska	Emilia	V: P25-1367
Kusano	Masashi	V: P22-889
Kvist	Joanna	V: FP39-247
L		
Lädermann	Alexandre	V: P14-971, P15-976, P14-982, P15-757, P14-988
Lamb	Joshua	V: P33-18
Langenhan	Ronny	V: P36-1450
LaPrade	Robert	L: KN13 V: FP30-419, P23-381, SY18-4256, ICL22-4321, ICL22-4323
Larrain	Mario	V: SY11-4428
Laumonier	Thomas	V: P35-648

Family name	First name	Presentation(s)
Laursen	Jens Ole	V: P26-1389
Leach	William	V: FP31-1452
Lebel	Benoît	V: SY19-4271
Lee	Beom Koo	V: P19-134, P19-136, P18-137, P27-141, P22-11
Lee	Choon-Key	V: P24-1043
Lee	Myung Chul	V: P30-1054, P25-906, P30-912
Lee	Sahnghoon	V: P18-914
Lee	Sang Hak	V: P25-1067, P21-1476, P21-1068, FP15-362
Lee	Seung Joo	V: P19-330, P21-331
Lee	Yee Han Dave	V: P20-977
Lee	Yong Seuk	V: P23-133
Lee Yee Han	Dave	V: FP25-412
Lefebvre	Yves	V: SY31-4165
Lempainen	Lasse	V: P35-801, P32-895
Lengnick	Harald	V: P32-423
Lenschow	Simon	V: P21-829
Leon Munoz	Vicente	V: P32-368, P32-369, P29-370, P30-386
Leyes	Manuel	V: P37-1472
Liantsis	Athanasios	V: P25-293
Liebensteiner	Michael	V: FP13-1424, FP31-1017
Lind	Martin	V: P25-808
Ling	Marcus	V: P17-1241
Löcherbach	Claus	V: P37-606
Logerstedt	David	V: FP39-1205, FP13-1228
Lohrer	Heinz	V: SY52-4094
Loken	Sverre	L: ICL20 V: ICL20-4096
London	Nicholas J.	V: P27-615
Longo	Umile Giuseppe	L: FP14 V: SY37-4362, SY23-4051, SY32-4147, SY14-4067
Lopez-Vidriero	Emilio	V: SY41-4186
Lopomo	Nicola	V: SY49-4177, P22-1095, P19-1162, SY12-4278
Loriaut	Philippe	V: P28-12
Lozano	Luis	V: P32-497
Lubiatowski	Przemyslaw	V: P15-780, P15-1399, FP11-877
Luchetti	Ricardo	L: ICL21 V: ICL21-4251, ICL21-4252
Ludvigsen	Tom Clement	L: FP17 V: SY11-4425, KN25-4020
Lukasik	Piotr	V: FP41-946, P20-1351
Lund	Bent	V: P18-992, P17-998
Lundgreen	Kirsten	V: IS10-4412
Luyckx	Jean-Philippe	V: FP13-261
Luyckx	Thomas	V: P32-1505
Lynch	Andrew	V: FP15-1255, P21-1277
M		
Machado	Thierry	V: P35-807
Madonna	Vincenzo	V: SY23-4052
Madry	Henning	L: ICL24, IL17, FP35, SY55, AW11 V: ICL24-4189, FP42-360, SY51-4260, AW11-4438, SY55-4423
Maeda	Shugo	V: P22-1419
Maenhout	Annelies	L: PT17, PT19 V: PT10-4116
Maestro	Antonio	V: P19-1004, P19-1008, P19-1364, SY53-4327, P37-1245, P37-1265
Maestu	Rodrigo	V: SY11-4426
Maffiuletti	Nicola A.	V: PT11-4123
Maffulli	Nicola	L: SY52, FP28 V: SY49-4179, R11-4403, SY52-4095
Mahieu	Nele	V: P36-499
Mainard	Didier	V: FP42-1349
Makridis	Konstantinos	V: FP30-789, FP45-793
Malinowski	Konrad	V: P21-1425
Malliaropoulos	Nikolaos	V: SY52-4093
Mammoto	Takeo	V: P19-1146
Mann	Gideon	V: SY48-4081
Månsson	Olle	V: P21-28
Maqdes	Ali	V: P15-531
Marcacci	Maurilio	L: SY42 V: SY42-4215, ICL25-4221, SY49-4178, SY20-4054
Marcheggiani Muccioli	Giulio Maria	V: P30-587, P24-670, FP12-666, FP25-654
Margheritini	Fabrizio	V: SY23-4049, ICL15-4156

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Marican	Mizan	V: P15-572
Marlovits	Stefan	V: SY19-4272
Marmotti	Antonio	V: FP16-886, AW11-4436, P26-910, FP21-1249
Martin	Robin	V: FP21-292
Marx	Robert G.	L: ICL18 V: ICL18-4337
Massada	Marta	V: P17-95, P13-96
Mataragas	Elias	V: ICL11-4411
Matheny	Lauren	V: FP14-1339
Mathoulin	Christophe	V: ICL21-4388
Matias	Ricardo	V: P14-1443
Mayer	Jörg	V: P15-460
Mayr	Hermann O.	L: SY39, FP40, ICL25 V: ICL25-4242, SY39-4042, SY16-4286, FP33-57
McGarvey	Ciaran	V: P22-1342
Meidinger	Gebhart	V: P28-1343
Melegati	Gianluca	L: PT12 V: ICL16-4026
Melinte	Razvan Marian	V: P24-1508
Melton	Joel	V: P20-174
Menakaya	Chinyelu	V: FP22-1199
Menetrey	Jacques	L: SP10, ICL16, IL10, AW10, SY28 V: ICL15-4153, SY35-4162
Messerli	Guy	V: P32-887
Messina	Jane	L: ICL21 V: ICL21-4252
Metzlaff	Sebastian	V: P26-925
Middleton	Kellie	V: P21-1288
Mihelic	Radovan	L: FP24 V: ICL11-4233, KN25-4020
Mikaelsen	Jan	V: P28-798
Mikek	Martin	L: SY54 V: SY54-4349
Miki	Shinya	V: P34-354
Milankov	Miroslav	V: P21-58
Milano	Giuseppe	L: SY24, KN24 V: SY24-4174
Minguell	Joan	V: P19-323
Mir	Seyed Mohsen	V: P20-245
Miyamoto	Satoshi	V: P32-37
Miyamoto	Wataru	V: P33-414
Miyatake	Katsutoshi	V: FP11-395
Miyatake	Shin	V: FP30-1465
Mizuno	Naoko	V: P15-467
Mogos	Stefan	V: P18-806
Mohtadi	Nicholas	V: FP23-482
Moksnes	Håvard	L: PT20, PT22 V: PT12-4311, P20-472, ICL22-4324
Monaco	Edoardo	V: P21-433
Monga	Puneet	L: FP24 V: SY24-4172, IS10-4412, SY31-4167
Monllau	Joan C.	L: FP27, FP43 V: NU11-4342
Monteiro	Eurico	V: P37-1242
Mora	Gonzalo	L: FP33 V: ICL15-4152
Mouton	Caroline	V: SY12-4276, P21-449
Muellner	Thomas	V: NU10-4344
Müller	Werner	L: IL15
Murawski	Christopher	V: FP14-15, P33-16, P33-17, P33-31
Murray	David	L: SY13 V: SY13-4130
Murray	David	V: P37-1442
Musahl	Volker	L: SY12 V: SY12-4274, SY12-4282, P22-702, SY12-4280
N		
Nakamura	Norimasa	V: SY18-4258
Nakase	Junsuke	V: P19-602
Naveed	Masroor	V: P28-23
Nebelung	Sven	V: P20-477
Nehrer	Stefan	V: FP16-536
Nelitz	Manfred	V: P28-1324
Neyret	Philippe	L: KN28, ICL13, KN16 V: ICL13-4136
Nha	Kyung	V: P29-4, P19-562, P25-820
Nicholls	Micah	V: P18-1356
Niemeyer	Philipp	V: ICL25-4219

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Nilstad	Agnethe	V: FP23-1171
Nishimori	Yasuhiro	V: P22-560
Nishizawa	Yuichiro	V: P22-1075, FP10-1108
Norgren	Crystal	V: P16-1362
Norman	Daniel	V: FP40-1071
Nourissat	Geoffroy	V: SY32-4148
Nozaki	Masahiro	V: P20-1061
Núñez	Montserrat	V: P32-200
Nyland	John	V: P18-410, P20-409
O		
Ochi	Mitsuo	L: SY55 V: SY27-4037, SY55-4420, SY47-4359
Oesterhelt	A.	V: FP40-465
Ögüt	Tahir	V: ICL14-4061
Ohashi	Yoshinori	V: P18-622
Oiestad	Britt Elin	V: ICL20-4099, P21-628
Oka	Shinya	V: P19-881
Olsson	Nicklas	V: P33-909
Orava	Sakari	L: FP28 V: KN27-4028
Ormon	Gregory	V: P38-934
Osti	Leonardo	V: P15-1453, P14-1466, P37-1473
Otoshi	Kenichi	V: P28-340
P		
Pandey	Vivek	V: P19-1507
Pape	Dietrich	V: P29-1244
Park	Hee Gon	V: P32-83
Park	Sang Eun	V: P17-844, P24-858
Parratte	Sebastien	V: ICL19-4145, SY30-4297, SY20-4055
Parvez	Tarek	V: FP31-1469
Pasa	Libor	V: P25-1359
Pascarella	Fabio	V: FP20-869, P37-614
Patzer	Thilo	V: P26-680, FP44-747, FP11-779
Pavlovich	Iniigo	V: KN13-4004
Pederzini	Luigi	L: KN12 V: ICL26-4238
Peersman	Geert	V: SY13-4128
Pena	Fernando	V: SY21-4071
Peretti	Giuseppe	L: FP16 V: P26-1393, P27-1331
Petersen	Wolf	L: FP32 V: KN19-4009, SY39-4043
Pfitzner	Tilman	V: FP31-202, FP13-203, P30-205
Philippon	Marc	V: SY36-4107
Pianigiani	Silvia	V: P30-1183, FP45-1224
Piedade	Sérgio	V: P23-431
Pinto	Mauricio Pedro	V: P18-1318
Piontek	Tomasz	L: KN31 V: P24-1097, P17-1236
Piper	Dani	V: P21-1368
Pireau	Nathalie	V: AW11-4440
Pisanu	Francesco	V: P33-865
Plaweski	Stéphane	V: ICL27-4353, ICL27-4356, P22-1515, SY53-4328
Poberaj	Boris	L: ICL12 V: ICL12-4304
Pompe	Borut	V: P27-1289
Popescu	Dragos	V: P25-48, P30-51
Porteous	Andrew	L: SY20 V: SY38-4211
Potel	Jean-François	V: P26-608
Pouliart	Nicole	L: SY22 V: SY22-4204, P15-1221
PreDESCU	Vlad	V: P18-953
Prejbeanu	Radu	L: FP33, KN10 V: P20-922
Price	Andrew	V: P20-1027
Prinja	Aditya	V: P26-751
Provencher	Matthew	V: FP19-207
Prusinska	Agnieszka	V: P25-1247
Pujol	Nicolas	V: P18-222, P20-862, P25-24
Pütz	Oliver	V: P16-1104, P19-524

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Radtke	Kerstin	V: P32-1497
Rahu	Madis	L: FP32
Raman	Raghu	V: P27-208, P26-209
Randelli	Filippo	V: SY36-4110
Randelli	Pietro	L: SY11, SY32, AW13, R10, AW11 V: R10-4392, SY32-4150, ICL11-4236, P14-406, FP11-407, SY11-4431, P14-403, P15-405
Ranne	Juha	V: P14-1125
Rathcke	Martin	V: FP24-1152
Razi	Mohammad	V: P23-595
Register	Brad	V: FP17-1432
Reider	Bruce	L: B10
Reilingh	Mikel	V: P33-1458, P33-1409
Risberg	May Arna	L: PT11, PT15 V: SY33-4377, PT13-4124, SY18-4257
Ritschl	Peter	L: FP21
Rizzo	Christophe	V: ICL21-4388
Robert	Henri	V: P20-901, SY12-4279
Robin	Christine	L: NU11 V: NU12-4347
Robinson	James	V: P18-708, P20-1441, P22-1418
Rochcongar	Goulven	V: P19-511
Rodkey	W.	L: FP35
Ronga	Mario	V: SY23-4048, P19-1421
Roos	Ewa	L: PT11
Roos	Harald	V: B10-4371
Röpke	Ekkehard	V: P25-1315
Røtterud	Jan Harald	V: FP10-598, SY18-4254
Rousseau	Thomas	V: P15-115
Rubio-Zaragoza	Monica	V: P35-1192
Ruiz-Iban	Miguel Angel	V: P22-722, P18-591
Rúnarsson	Baldur	V: P34-746
Russo	Alessandro	V: P26-1120
Ryd	Leif	V: P27-1153
Rydberg	Birgitta	V: P36-1287
S		
Sabeti	Manuel	V: P14-501
Sacomanno	Maristella	V: FP44-1297, P15-1329
Sadri	Hassan	L: SY36 V: SY36-4108, SY36-4114, NU12-4343
Safran	Marc	L: ICL26 V: KN12-4003, SY15-4368, FP17-719, SY36-4112, ICL26-4241, P17-1179, P15-579, FP24-575, FP17-720, P37-721
Said	Sinan	V: P22-361, P28-234
Saier	Tim	V: FP24-1360
Saji	Takahiko	V: P15-1285
Salreta	José Filipe	L: SY16
Salzmann	Gian M.	V: FP35-156
Samuelsson	Kristian	V: SY33-4379
Sano	Teiichi	V: P15-181
Sansone	Valerio	V: P32-1194, P26-1235
Santos Assis de Melo	Nelson	V: P19-268
Saowaprut	Suriyapong	V: P23-729
Sarasquete	Juan	V: P14-1187
Sarmah	Sasanka	V: P37-1119, P20-1225
Sasahara	Jun	V: P33-124
Sasaki	Koichi	V: P36-1304
Sasaki	Shizuka	V: P18-550
Savvidis	Matthaios	V: P37-1388
Scheffler	Sven	L: FP22, FP30, ICL 18 V: R11-4398, ICL15-4154, P28-941
Schenk	Larissa	V: P24-101
Schiavone Panni	Alfredo	V: P32-387, P28-515, SY34-4290
Schilders	Ernest	V: P17-1365
Schimmel	Janneke	V: P31-1083, P31-288
Schliemann	Benedikt	V: P14-1490
Schoenahl	Jean-Yves	V: P31-142, P32-143, FP13-145, FP31-146, P30-147, FP31-148, FP32-149
Schöttle	Philip	V: SY25-4267
Schröder	Jörg	V: FP45-931
Schröter	Steffen	V: ICL25-4223
Seil	Romain	L: SY15, KN29 V: SY15-4366, SY49-4176, SY48-4082, SY10-4417, NU13-4339

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Seitz	Andreas Martin	V: FP12-455
Senekovic	Vladimir	L: FP19 V: R10-4396, ICL17-4198, R10-4391
Seng	Chusheng	V: P32-109, P14-110
Seo	Hee-Soo	V: P14-907
Seo	Seung-Suk	V: P32-1489, P30-1488
Seo	Young-Jin	V: P22-1078
Servien	Elvire	L: SY50, FP23, KN27, KN18, KN20 V: SY27-4040, P32-76, P29-77
Shafizadeh	Sven	V: FP45-954
Sharma	Vishwadeep	V: P15-871
Shi	Dongliang	V: FP41-580
Shimokochi	Yohei	V: P38-601
Shivonen	Raine	V: AW11-4435
Siddiqui	Mashfiqul Arafin	V: P28-225
Siebold	Rainer	L: SY25, ICL10 V: R11-4397, SY25-4265, SY47-4360, ICL10-4245, NU11-4341
Sillanpää	Petri	V: P28-981
Silva	Alcindo	V: P19-1461
Sivertsen	Einar	V: ICL20-4097
Sluittel	Daniel	V: SY11-4430
Smigajski	Robert	L: SY21, FP15 V: P21-1350
Smith	Michael	V: PT10-4115
Smolinski	Patrick	V: P20-795, P20-741, P20-805, FP12-879
Snyder-Mackler	Lynn	V: PT11-4121, PT14-4306, PT14-4307
Soejima	Takashi	V: P23-396, P24-398
Song	Moo-Ho	V: P31-179
Song	Si Young	V: P28-1106
Sonnery-Cottet	Bertrand	V: FP10-1445, P18-1157
Sousa	Antonio	V: AW11-4441
Spalding	Tim	L: FP12 V: P24-1117
Spindler	Kurt	V: P21-679
Spruijt	Sander	V: ICL25-4217
Starcevic	Damir	V: P21-999
Stäubli	Hans-Ulrich	V: FP45-1296, FP30-1303
Steadman	J. Richard	V: B16-4374, P27-1313
Stegemann	Nese Necibe	V: P29-1411
Steiner	Mark	V: P20-769
Steinwachs	Matthias	V: B14-4369
Stensrud	Silje	L: PT21, PT23 V: P24-639
Stephen	Joanna	V: FP20-528, P28-652
Strauss	Marc	V: P21-1282
Streicher	Robert	V: P32-1330, P30-1299, P31-1233
Suomalainen	Piia	V: P19-385, P19-114
Suzuki	Tomoyuki	V: P25-1064
Sveinsson	Haukur Már	V: P38-1251
T		
Tagesson	Sofi	V: P19-984
Tajima	Takuya	V: P19-59
Takeda	Kentaro	V: P21-1486
Takeda	Mitsuhiro	V: P30-1180
Takeda	Yoshitsugu	V: P21-814
Takigami	Junsei	V: P25-783
Tállay	András	V: P37-1274, P37-1279, P38-1284
Tan	Nathalie	V: P24-438
Tang	HaoChe	V: P18-766
Tatsuhiro	Toratani	V: P27-448
Taverna	Ettore	L: ICL12 V: IS10-4412
Tecklenburg	Katja	V: SY25-4264, P19-279
Teitge	Robert A.	V: KN21-4010
Terada	Satoshi	V: FP10-1311
Terauchi	Masanori	V: P21-638
Thaumat	Mathieu	V: P33-481
Theisen	Daniel	V: P38-1511
Thermann	Hajo	V: P33-635
Thienpont	Emmanuel	L: SY20 V: SY13-4132
Thomas	Neil P.	L: FP13

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Thomazeau	Hervé	L: SY31 V: SY28-4444
Thoméé	Roland	L: PT24 V: PT14-4308
Thorey	Fritz	V: P17-987, P17-994, P17-1001
Tiberiu	Bataga	V: P26-891
Tol	Johannes	V: FP28-866, P36-873
Tolk	Jaap	V: P30-160
Tomihara	Tomohiro	V: P19-246
Toms	Andrew	V: P30-1100
Torres-Claramunt	Raúl	V: P20-1103, FP12-231
Toussaint	Bruno	L: FP11 V: ICL17-4195, SY31-4163, SY31-4169, KN10-4000, R10-4390
Trampuz	Andrej	L: SY34 V: SY34-4288
Tscholl	Philippe	V: P20-952
Tsuda	Eiichi	V: P20-603
Tuijthof	Gabrielle	V: P24-663, P24-440, P24-660, P25-662
Tulner	Sven	V: P33-905
Tuncer	Mahmut	V: FP26-661
Turan	Ahmet	V: P16-586
Tutkus	Vytautas	V: P21-775
Tzanakakis	Nikolaos	L: SY54 V: SY54-4350
Tzoanos	Georgios	V: P19-46, P17-60
U		
Unal	Meric	V: P15-53, P33-355, P34-584
V		
Valencia-García	Homero	V: P21-1066, P16-29, P24-105
Valenti	Philippe	V: P15-1518, ICL17-4202
Valenti	Andrés	V: P32-428, AW11-4432
Vallotton	Jacques	V: P34-1189
van Assche	Dieter	V: PT13-4125
van der Bracht	Hans	V: P22-151, P19-159, P22-150, P22-152, P15-153
van der List	Maarten	V: KN11-4001, ICL17-4197
Van der Meijden	Olivier	V: FP44-131, FP11-183, P15-184
van der Velden	Marly	V: P21-1377
van der Zwaal	Peer	V: P15-266
van Dijck	Robbert	V: P19-917
van Dijk	C. Niek	L: SY15, SY37, SP10, SY11, ICL14 V: SY15-4365, SY14-4066, SY21-4072, SY17-4073, IL13-4375, SY51-4261, 5034
van Eekeren	Inge	V: SY17-4076
van Gennip	Stijn	V: P28-754
van Heerwaarden	Ronald	L: ICL25 V: ICL25-4218, ICL25-4220
van Hellemond	Gijs	L: SY38 V: SY38-4207, SY46-4228
Van Lauwe	Johan	V: B14-4370
Van Raebroeckx	Antoon	V: ICL17-4194
van Sterkenburg	Maayke	V: SY37-4363
Vandekerckhove	Pieter-Jan	V: P30-902
Vandenneucker	Hilde	L: SY30 V: P28-1184, SY30-4294
Vannini	Francesca	V: P21-224, SY21-4070, FP14-217
Varatojo	José	L: FP38
Varoga	Deike	V: FP21-932
Vascellari	Alberto	V: FP42-686
Vega	Rafael	V: P25-1423
Vellamy	Anandakumar	V: P17-1121
Ventura	Alberto	V: P33-1005
Veravalli	Karunakar	V: P37-809
Verborgt	Olivier	V: P15-309, P14-308, P15-311
Verdonk	Peter	L: ICL15, SY35, SY44, R11 V: R11-4399, ICL13-4140, P24-122, SY35-4158, SY35-4160, P24-1437, P28-1069, P32-275, SY30-4298
Verdonk	René	L: SY43 V: SY43-4103, FP25-1361
Verdonschot	Nico	L: SY26 V: SY46-4227
Verdoodt	An	V: P32-849
Verma	Nikhil	V: P18-530, P20-533, P14-525, P15-294

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Verra	Wiebe	V: FP13-1076, P32-1092
Veselko	Matjaz	L: FP20
Victor	Jan	L: ICL13, KN36 V: SY26-4182, SY44-4330
Visnes	Håvard	V: FP28-596
Vogrin	Matjaz	V: SY29-4090
Volpi	Piero	L: SY23
von Keudell	Arvind	V: FP21-695, P26-697, P15-1322, FP45-710, P13-1344, P28-698, AW10-700
von Knoch	Fabian	V: FP13-874
W		
Wagner	Daniel	V: FP45-1239, P28-1232
Wagner	Lene	V: AW10-516, P19-1259
Waldén	Markus	V: FP40-592
Wang	Joon Ho	V: P19-493, P20-489
Wangensteen	Arnlaug	V: FP33-1333
Wassilew	Georgi	V: FP17-1371
Wasterlain	Amy	V: FP28-556
Weber	Patrick	V: P31-626, P31-459, P31-667
Weiler	Andreas	V: ICL16-4023
Wellmann	Mathias	V: AW11-4433
Welsch	Götz	V: FP43-1145, SY19-1107
Werner	Suzanne	L: PT14, PT15, FP39
Westin	Maria	V: P38-641
Whelan	Daniel	V: ICL18-4334
Widuchowski	Wojciech	V: SY18-4255
Wiegerinck	Jan Joost	V: SY37-4361
Wiewiorski	Martin	V: FP14-351, P33-352
Wiik	Anatole	V: FP26-760, SY49-4175
Willemot	Laurent	V: FP12-1370
Willems	W. Jaap	L: SY22 V: SY22-4205, ICL26-4237, ICL12-4384
Wilson	William	V: P37-1035
Wilton	Tim	L: FP31
Woelfle	Julia	V: P28-1340, P34-1390
Wondrasch	Barbara	V: PT13-4126
Wood	Thomas	V: P21-1401
Wymenga	Ate B.	L: SY46, IL16 V: SY26-4184
X		
Xergia	Sofia	V: P19-1317, P20-1281
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Yamasaki	Shinya	V: P19-715
Yamazaki	Junya	V: P20-647
Yang	Jae-Hyuk	V: P22-1048, P30-1050, FP30-1044
Yapici	Can	V: P22-930
Yasuda	Kazunori	L: FP18
Yasui	Youichi	V: FP29-353
Yiannakopoulos	Christos	V: KN35-4242
Yoon	Kyoung-Ho	V: SY43-4101
Youn	Yoonseok	V: FP32-1130
Z		
Zadoroznijs	Sergejs	V: P32-1057
Zaffagnini	Stefano	L: SP10, IL11, AW10, SY27 V: SY27-4041, ICL27-4354, SY43-4104, SY30-4295
Zampeli	Franceska	V: FP41-1449
Zazirnyi	Igor	L: KN19 V: P36-888
Zeman	Petr	V: P18-974
Zhou	Jingbin	V: P22-91, P20-92
Ziltener	Jean-Luc	L: PT10
Zorzi	Claudio	L: SY23 V: P24-1211

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SY10-4413	22	SY20-4053	32	SY30-4298	55	SY42-4212	84	SY55-4423	23
SY10-4414	22	SY20-4054	32	SY30-4299	55	SY42-4213	84		
SY10-4415	22	SY20-4055	32	SY31-4163	37	SY42-4214	84		
SY10-4416	23	SY20-4057	32	SY31-4164	37	SY42-4215	84		
SY10-4417	23	SY20-5042	32	SY31-4165	37	SY42-4216	84		
SY10-4418	22	SY21-4069	42	SY31-4166	37	SY43-4101	94		
SY11-4424	24	SY21-4070	42	SY31-4167	37	SY43-4102	94		
SY11-4425	24	SY21-4071	42	SY31-4168	37	SY43-4103	94		
SY11-4426	24	SY21-4072	42	SY31-4169	37	SY43-4104	94		
SY11-4427	24	SY22-4204	63	SY32-4147	52	SY44-4329	108		
SY11-4428	24	SY22-4205	63	SY32-4148	52	SY44-4330	108		
SY11-4429	24	SY22-4206	63	SY32-4149	52	SY44-4331	108		
SY11-4430	24	SY23-4048	63	SY32-4150	52	SY44-4332	108		
SY11-4431	24	SY23-4049	63	SY32-4151	52	SY46-4225	108		
SY12-4274	35	SY23-4050	63	SY33-4376	50	SY46-4226	108		
SY12-4275	35	SY23-4051	63	SY33-4377	50	SY46-4227	108		
SY12-4276	35	SY23-4052	63	SY33-4378	50	SY46-4228	108		

«Reduces
complexity...

...exactly right where it should: Using our **balanSys® REVISION System**, you can concentrate on the knee revision having our instruments as a support. With a clear focus on efficient and precise working – just as you would expect from a Swiss producer.

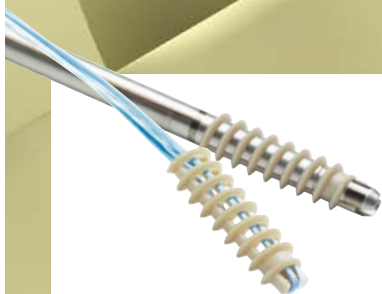
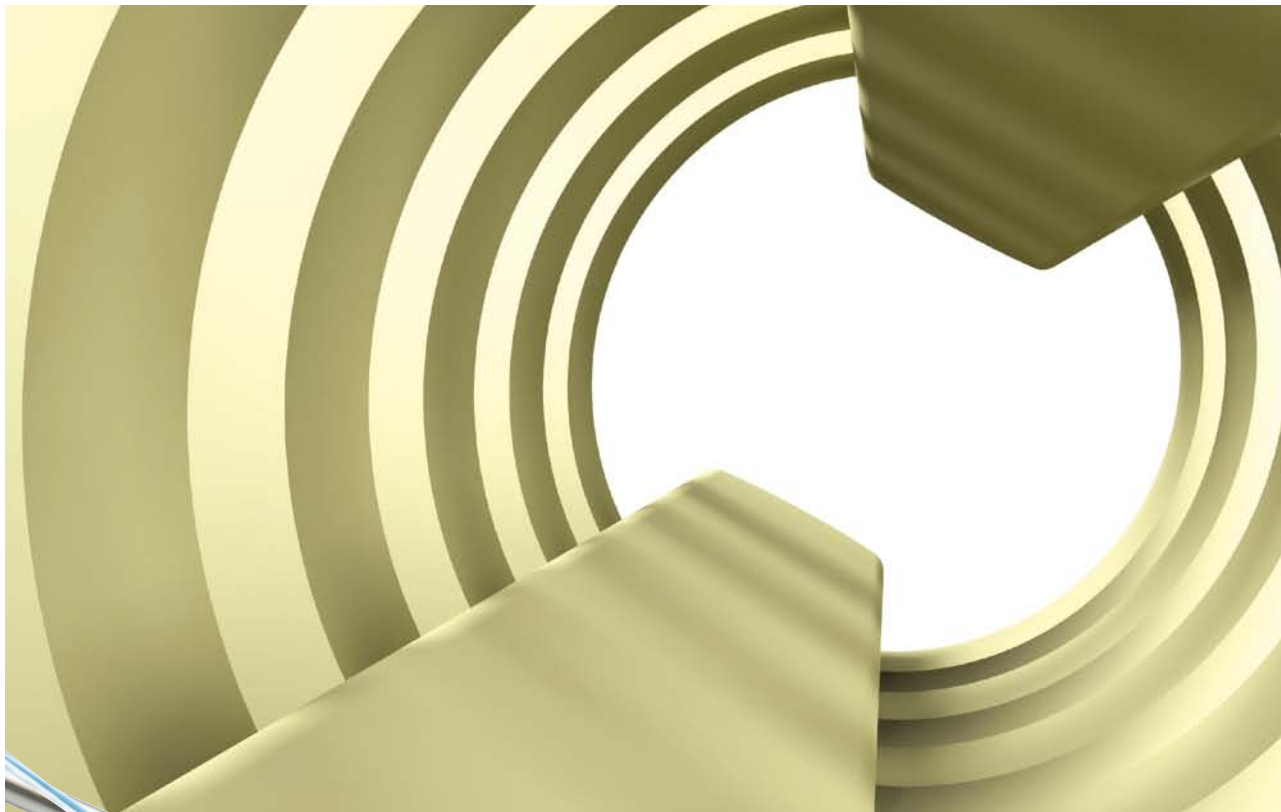
Contact us at balanSys@mathysmedical.com»



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hall 1 – exhibition



Ronald J. Lenzeder
Head of knee group



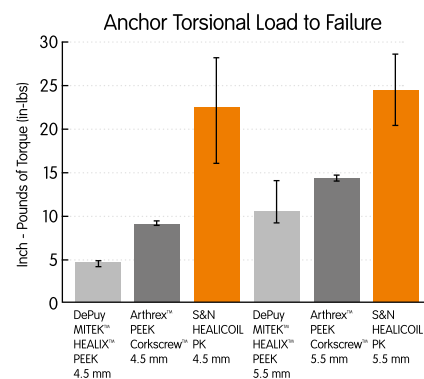
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HEALICOIL[®] PK
 Suture Anchor

Open architecture. Open possibilities.

The HEALICOIL PK Suture Anchor – make more of your rotator cuff repairs with less material.¹

- **Open-architecture design** differs from solid-core implants by eliminating the inner-diameter material, allowing the bone to interdigitate within the anchor thread profile.
- **Extended anchor threads** provide more threaded engagement than the two leading competitive anchors and significantly greater anchor pullout strength.²

For more information, contact your local sales representative, visit www.smith-nephew.com or call +1 978 749 1140.



The HEALICOIL PK Suture Anchor displayed significantly greater resistance to torsional load failure during insertion than the competitive anchors shown above.²

1,2 ITR-4700 – HEALICOIL Suture Anchor competitive testing. Data on file, September 2011.

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