

10TH Biennial

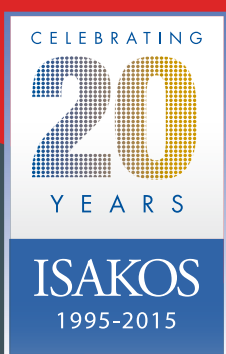
ISAKOS CONGRESS 2015

JUNE 7–11, 2015
LYON, FRANCE 

www.isakos.com/2015congress



Final Program



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11TH BIENNIAL

ISAKOS

CONGRESS 2017

JUNE 4-8, 2017
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Welcome



Welcome to the 10th Biennial ISAKOS Congress and the beautiful city of Lyon! This Congress is a special one, as it is the 20th Anniversary of ISAKOS—and we are happy you are here to celebrate with us! The Program Committee, led by Anastasios D. Georgoulis MD, Prof., Greece, has worked diligently for two years to develop a challenging and educationally diverse scientific program reflecting the interests and desires of the society's members. The ISAKOS Congress is the signature event of our society, bringing together world leaders in our specialties of arthroscopy, knee surgery and orthopaedic sports medicine.

Known for its international dialogue, the ISAKOS Congress is a unique opportunity for the exchange of scientific information by reconnecting with old friends, and networking with colleagues from around the world. The 10th Biennial ISAKOS Congress has brought more than 4,000 orthopaedic surgeons, allied health personnel, residents and fellows to the great city of Lyon.

The ISAKOS Congress Scientific Program emphasizes evidence based medicine, new surgical techniques, and basic science. We hope you enjoy the broad array of instructional courses, surgical demonstrations, debates, lectures, symposia, scientific paper presentations and electronic posters demonstrations. Overall, there are more than 1,800 educational opportunities available to attendees, in addition to the technical exhibits, demonstrating the newest orthopaedic surgical technology. The ISAKOS Congress has a large, diverse and multidisciplinary faculty, who are enthusiastic about instructing on basic research, operative techniques, and technical pearls and pitfalls.

The beautiful city of Lyon is a classic backdrop for an ISAKOS Congress. With more than 2,000 years of colorful, tumultuous and thriving history, this French city celebrates the art of living, luxury and fine cuisine. This is a world class city for the Biennial Congress of our world class society. A wide variety of activities are available in the city and surrounding areas, including wine tasting, gourmet food, shopping, museums, and more! The ISAKOS Congress will also host a variety of social events such as the Welcome Reception for all Congress attendees and their guests, a spouse and guest program and a special tour program. You and your guests are invited to the Opening Celebration and Welcome Reception on Sunday, June 7.

You are the most important part of the 10th Biennial ISAKOS Congress! We are glad that you have joined us in Lyon. Thank you for participating in the international experience that is the ISAKOS Congress!

Masahiro Kurosaka
President 2013–2015

Anastasios D. Georgoulis
Program Chair 2013–2015

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LYON, FRANCE



GENERAL MEETING INFORMATION

CME Accreditation

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the American Academy of Orthopaedic Surgeons and the International Society of Arthroscopy, Knee Surgery and Sports Medicine. The American Academy of Orthopaedic Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

The American Academy of Orthopaedic Surgeons designates this live activity for a maximum of **24.75 AMA PRA Category 1 Credits™**.

CME Certificate

To receive your CME Certificate for the 2015 ISAKOS Congress, please use your ISAKOS myCongress login at www.isakos.com/myCongress and complete the online Course Survey.

Once you have completed the survey, you will be able to download your CME Certificate.

Disclaimer

The material presented at the ISAKOS Biennial Congress has been made available by ISAKOS for educational purposes only. This material is not intended to represent the only, nor necessarily the best method or procedure appropriate for the medical situations discussed, but rather is intended to present an approach, view, statement or opinion of the faculty which may be helpful to others who face similar situations.

FDA Statement

Some drugs or medical devices demonstrated at the ISAKOS Biennial Congress have not been cleared by the American Food & Drug Administration (FDA), or have been cleared by the FDA for specific purposes only. The FDA has stated that it is the responsibility of the physicians to determine the FDA clearance status of each drug or medical device he or she wishes to use in clinical practice.

The AAOS which is accredited to provide CME credits for this meeting provides that "off label" uses of a drug or medical device may be described in accredited activities so long as the "off label" use of the drug or medical device is described specifically (i.e., it must be disclosed that the FDA has not cleared the drug or device for the described purpose). Any drug or medical device is being used "off label" if the described use is not set forth on the products' approach label.

Financial Disclosure

Each participant in the ISAKOS Biennial Congress has been asked to disclose if he or she has received something of value from a commercial company or institution, which relates directly or indirectly to the subject of his or her presentation. ISAKOS has identified the option to disclose as follows:

- 1.....Royalties
- 2.....Speaker
- 3a...Employee
- 3b...Paid Consultant
- 3c...Unpaid Consultant
- 4.....Stock
- 5.....Research or Institutional Support
- 6.....Financial or Material Support
- 7.....Royalties (Publisher)
- 8.....Editorial or Governing Board of Medical or Orthopaedic Publication
- 9.....Board of Directors, Owner or Officer for Healthcare Organization

An indication of the participant's financial disclosure appears after his or her name on the Participant Disclosure List in the back of this program, as well as the commercial company or institution that provided the support, as applicable.

ISAKOS does not view the existence of these disclosed interests or commitments as necessarily implying bias or decreasing the value of the author's participation in the Biennial Congress.

Congress Venue

Venue: Lyon Convention Centre at the Cité Internationale
Location: 50 Quai Charles de Gaulle
69463 Lyon cedex 06
FRANCE

www.ccc-lyon.com

Public Transportation Complimentary TCL Passes

ISAKOS does not provide transportation for Congress attendees. However, complimentary Lyon Public Transportation (TCL) passes, schedules and maps will be available to all attendees at the Hotels & Tours Desk located in the Registration area in Hall Bellecour of the Lyon Convention Centre.

TCL SYTRAL
www.tcl.fr

Phone: +33 04 26 10 12 12



Follow @ISAKOS for #ISAKOS2015 updates!
www.twitter.com/ISAKOS

On-Site Registration and Badge Pick-up

Bellecour Hall – Accueil Bellecour

Main Congress Entrance – Use stairs in Raymond Barre Esplanade by L'Amphithéâtre.

Badge pick-up is scheduled to open on Friday, June 5, 2015. Attendees will be able to pay for their on-site registrations in US dollars or Euros, by credit card (American Express, MasterCard and Visa), or by check drawn in US dollars on a US bank. Registration will be open every day at the Lyon Convention Centre during the following hours:

| | |
|------------------------------|--------------------|
| Friday, June 5 | 14:00–18:00 |
| Saturday, June 6 | |
| Pre-Course Registration Only | 06:00–10:00 |
| Congress Registration Opens | 10:00–18:00 |
| Sunday, June 7 | 06:30–17:00 |
| Monday, June 8 | 06:30–17:00 |
| Tuesday, June 9 | 06:30–15:30 |
| Wednesday, June 10 | 06:30–17:00 |
| Thursday, June 11 | 06:30–12:00 |

Breakfasts, Lunch and Breaks

Continental breakfast and breaks will be available daily for all registered attendees beginning at 07:00 on Sunday, June 7 in the Exhibit Hall–Forums 4, 5, 6. Monday, June 8 through Thursday, June 11, coffee will be available at 07:00 in the Foyer of Forums 4, 5, 6.

Instructional Course Lectures

Instructional Course Lectures will be free of charge to all attendees. Instructional Course Lectures will be offered on Monday, June 8 through Thursday, June 11 from 07:30–09:00. For a complete list of Instructional Courses, please refer to Page 34–43.

Technical Exhibits

Attendees must be registered for the meeting in order to access the Exhibit Hall which is located in Forums 4, 5, 6 of the Lyon Convention Centre. A complete listing of all technical exhibits is included in this program on Page 49–58. Exhibits will be open:

| | |
|---------------------------|--|
| Sunday, June 7 | 07:00–15:30 17:30–20:00 |
| Monday, June 8 | 08:30–15:30 |
| Tuesday, June 9 | 08:30–15:00 |
| Wednesday, June 10 | 08:30–15:30 |

ePoster Exhibits

Scientific ePoster presentations can be viewed at computer stations located in the Foyer of Forums 1, 2, 3 in the Lyon Convention Centre. ePoster presentations will also be distributed to all Congress attendees in the downloads section of the online Final Program at www.isakos.com/2015congress.

WiFi Service

Wi-Fi Password: **isakos2015**

Premium Wi-Fi service is complimentary to Congress attendees in all meeting rooms and public areas, including the Exhibit Hall.

Internet Stations

Sponsored by ConMed

All meeting attendees are welcome to check their email and explore the World Wide Web for free at the ISAKOS Internet Stations. The Internet Stations will be open daily during Congress hours and are located in the Foyer of Forums 4, 5, 6 in the Lyon Convention Centre.

Speaker Ready Room

Please bring a copy of your podium presentation to the Speaker Ready Room a minimum of 24 hours in advance of your presentation. The Speaker Ready Room is located in Bellecour 1 in Accueil Bellecour.

The Speaker Ready Room will be open as follows:

| | |
|----------------------------|--------------------|
| Friday, June 5 | 14:00–18:00 |
| Saturday, June 6 | |
| Pre-Course Presenters Only | 06:00–11:00 |
| All Congress Presenters | 11:00–18:00 |
| Sunday, June 7 | 06:30–17:30 |
| Monday, June 8 | 06:30–17:30 |
| Tuesday, June 9 | 06:30–14:30 |
| Wednesday, June 10 | 06:30–17:30 |
| Thursday, June 11 | 06:30–12:00 |

Journal Review Course with Editors

Room: Auditorium Pasteur–Level Rhône

Date & Time: Monday, June 8
12:15–13:30

The editors of *Arthroscopy: The Journal of Arthroscopic and Related Surgery* will host a course for ISAKOS Congress attendees who are interested in reviewing and/or writing articles for journal publication. Information on the reviewing process, and manuscript structure and preparation will be provided, along with reviewer objectives and responsibilities. Attendees will be provided with a flash drive containing the course and other valuable supplemental materials. Complimentary lunch boxes will be provided for course attendees.

Introductory comments by ISAKOS Scientific Committee Chair, Norimasa Nakamura MD, PhD JAPAN

James H. Lubowitz MD USA
Matthew T. Provencher MD USA
Gary G. Poehling MD USA
Giuseppe Milano MD ITALY
Shinichi Yoshiya MD JAPAN

GENERAL MEETING INFORMATION (CONT.)

Opening Celebration & Welcome Reception

Sunday, June 7

Opening Celebration – 17:45

General Session – L'Amphithéâtre

Please arrive early, as the entertainment begins promptly at 17:45.

Welcome Reception – 18:00

Exhibit Hall – Forums 4, 5, 6

ISAKOS welcomes all attendees and their guests to celebrate the opening of the 10th Biennial ISAKOS Congress and the Society's 20th Anniversary. The Welcome Reception is a wonderful opportunity to reunite with old friends and network with colleagues. Hors d'oeuvres and cocktails will be provided for this festive occasion. Attendance is included in the Congress registration fee and guests are welcome to attend at no additional charge.

Spouse and Guest Morning Café

The Spouse and Guest Morning Café includes a daily morning coffee and pastry social held at the Hotel Sofitel. This is a great opportunity to meet with new and old friends to enhance your experience in Lyon. For additional information or to register, please visit the Spouse and Guest desk in the Registration Area located in Hall Bellecour of the Lyon Convention Centre.

Location: Hotel Sofitel
20 quai Gailleton
Lyon, France

Room: Sofitel Lounge

Date & Time: Sunday, June 7 –
Thursday, June 11
07:00 – 10:00

Cost: US \$125

ISAKOS Publications – USB Drives

ISAKOS Members Only

In honor of ISAKOS' 20th Anniversary, we would like to present ISAKOS Members with a complimentary USB Drive, pre-loaded with the latest ISAKOS Publications.

- Cartilage Lesions of the Ankle
- Shoulder Stiffness
- The Patellofemoral Joint
- Normal and Pathological Anatomy of the Shoulder

Please redeem the ePubs USB ticket at the Backpack Distribution counters in the Exhibit Hall (Booth #301). The Ticket can be found in the Congress packet you received at Registration. USBs will be available on a first-come, first-served basis.

Interactive Agenda and myCongress

www.isakos.com/InteractiveAgenda

www.isakos.com/myCongress

Have the complete Congress schedule at your fingertips!

- Make your own schedule and "Favorites" in mySchedule of myCongress
- Access and Download Presentation Outlines, Handouts and Paper Abstracts
- Rate presentations using the NEW Star-Rating feature
- View Faculty profiles and their presentation schedule
- Submit questions and poll answers to the moderator
- Browse Congress Exhibitors
- Lyon Convention Centre maps for your reference

Have a Question for a Presenter?

Audience Response and Live Polling

Brought to you by 2Shoes

www.isakos.com/InteractiveAgenda



ISAKOS has partnered with 2Shoes to offer a way for attendees to interact with presenters and moderators. Visit the 2015 ISAKOS Congress Interactive Agenda, locate the "Question" icon during the appropriate Discussion Session and submit your question directly to the Moderator! Also use this tool to participate in live polls asked by the faculty! There is no app to download or account required to participate in this offering.

Sports Rehabilitation Concurrent Course: Global Perspective for the Physical Therapist and Athletic Trainer

(Additional Registration Required)

Room: Auditorium Lumière

Date & Time: Sunday, June 7 through
Tuesday, June 9
08:30 – 17:00

ISAKOS is offering a three-day Sports Rehabilitation Concurrent Course intended for physicians, athletic trainers, physiotherapists and coaches concerned with the management or prevention of injuries to the team athlete as viewed from an international perspective.

Chairs:

James J. Irrgang PT, PhD, ATC, FAPTA USA

Robert F. LaPrade MD, PhD

Lynn Snyder-Mackler PT, ScD, FAPTA USA

Erik Witvrouw PhD, PT QATAR

ISAKOS thanks DJO, Inc. for their support of the Sports Rehabilitation Concurrent Course: Global Perspectives for the Physical Therapist and Athletic Trainer

GENERAL INFORMATION

ROOM LOCATION

| | |
|---|--|
| Exhibition Area | Forums 4, 5, 6 |
| General Session | L'Amphithéâtre–Level Cordeliers |
| Concurrent Sessions | Forums 1, 2, 3 |
| ICLs 1, 9, 17, 25 | Forum 1 |
| ICLs 2, 10, 18, 26 | Forum 2 |
| ICLs 3, 11, 19, 27 | Forum 3 |
| ICLs 4, 12, 20, 28 | Grand Salon Prestige Gratte-Ciel–Level Gratte Ciel |
| ICLs 5, 13, 21, 29 | Auditorium Pasteur–Level Rhône |
| ICLs 6, 14, 22, 30 | Salon Pasteur–Level Rhône |
| ICLs 7, 15, 23, 31 | Rhône 3AB–Level Rhône |
| ICLs 8, 16, 24, 32 | L'Amphithéâtre |
| International Society Presidents Social Wednesday, June 10 11:15–12:00 <i>International President Introduction</i> 10:40 | Roseraie 1 & 2–Level Roseraie General Session–L'Amphithéâtre |
| Internet Stations | Foyer Forums 4, 5, 6 |
| ISAKOS Booth | Foyer Forums 4, 5, 6 |
| ISAKOS Business Meeting I Monday, June 8 09:30–10:10 | General Session L'Amphithéâtre–Level Cordeliers |
| ISAKOS Business Meeting II Wednesday, June 10 09:30–10:15 | General Session L'Amphithéâtre–Level Cordeliers |
| ISAKOS Committee Meeting Rooms | Rhône 1 & 2–Level Rhône |
| ISAKOS Food Court | Exhibit Hall–Forums 4, 5, 6 |
| ISAKOS International Presidents' Council Luncheon (IIPC) Sunday, June 7 11:30–12:45 <i>Private Event–by Invitation Only</i> | Roseraie 1 & 2–Level Roseraie |
| Journal Review Course with Editors Monday, June 8 12:15–13:30 | Auditorium Pasteur–Level Rhône |
| Lunch Time Lectures & Workshops Sunday, June 7 12:15–13:30 Monday, June 8 12:15–13:30 Tuesday, June 9 12:15–13:30 Wednesday, June 10 12:15–13:30 | Salon Tête d'Or, Room Tête d'Or, Room Gratte Ciel 123, Rhône 3, Auditorium Pasteur, Salon Pasteur, Grand Salon Prestige Gratte Ciel |
| Society Booths | Exhibit Hall–Forums 4, 5, 6 |
| Speaker Ready | Bellecour 1–Accueil Bellecour |
| Spouse and Guest Morning Café Sunday, June 7–Thursday, June 11 07:00–10:00 | Hotel Sofitel–Sofitel Lounge |
| Hotel & Tour Desk Sunday, June 7–Thursday, June 11 08:30–16:30 | Registration Area–Hall Bellecour–Accueil Bellecour |
| Opening Celebration & Welcome Reception Sunday, June 7 Opening Celebration 17:45 Welcome Reception 18:00–20:00 | General Session–L'Amphithéâtre Exhibit Hall–Forums 4, 5, 6 |

DON'T MISS THESE CONGRESS HIGHLIGHTS



Presidential Guest Speaker

Thierry Frémaux

Room: General Session–L'Amphithéâtre

Date & Time: Tuesday, June 9
09:30–10:15

Thierry Frémaux is the Director of the Institut Lumière in Lyon and the General Delegate of the Cannes Film Festival. Born in Isère, Thierry Frémaux grew up in the suburbs of Lyon. He was introduced to cinema by his father, who was the founder of the first free associative radio, Radio Canut. Frémaux earned a Master's degree in Contemporary History and wrote about the social history of cinema before being hired at the Institut Lumière as a programmer in 1990. In 1995, he was appointed Artistic Director to President Bertrand Tavernier with whom he organized the centenary of cinema and began restoration of the Lumière brothers' films. In October of 2000, Frémaux joined the Festival de Cannes as Artistic Director. In July, following a proposal by President Gilles Jacob, the Festival de Cannes' Board of Directors appointed Frémaux as General Delegate. This appointment was a unanimous decision and was ratified by both Ministers in charge of Culture and Foreign Affairs.

Congress Opening Ceremony

Room: General Session–L'Amphithéâtre

Date & Time: Sunday, June 7
08:00–08:45

Presidential Address

Masahiro Kurosaka, MD JAPAN
2013–2015 ISAKOS President

Room: General Session–L'Amphithéâtre

Date & Time: Monday, June 8
10:15–10:45

ISAKOS Business Meetings I & II

ISAKOS Members Only

Room: General Session–L'Amphithéâtre

Date & Time: I–Monday, June 8
09:30–10:10

II–Wednesday, June 10
09:30–10:15

ISAKOS Congress Awards Ceremony

Room: General Session–L'Amphithéâtre

Date & Time: Wednesday, June 10
10:15–10:40

Introduction of Society Presidents

Room: General Session–L'Amphithéâtre

Date & Time: Wednesday, June 10
10:40–11:00

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- ✿ Manage your program participation, registration status and more! www.isakos.com/myCongress

10TH Biennial

ISAKOS
CONGRESS

2015

JUNE 7–11, 2015
LYON, FRANCE



Thank you!

CONGRESS SPONSORS

ISAKOS Would Like to Thank the
Following Companies for their Support
of the 2015 ISAKOS Congress

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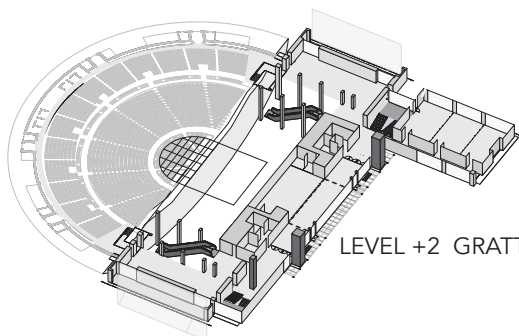
Richard Wolf GmbH

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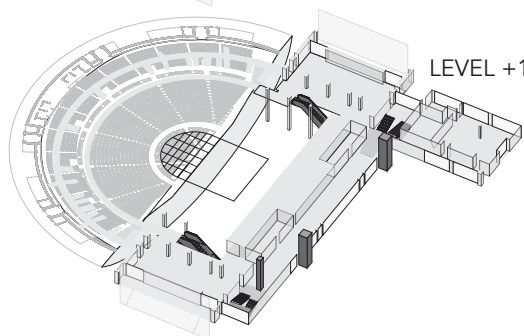
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LYON CONVENTION CENTRE AT THE CITÉ INTERNATIONALE

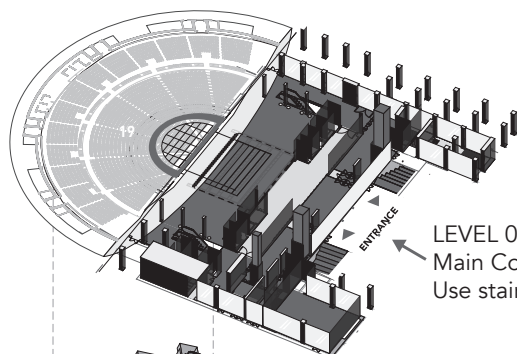


LEVEL +2 GRATTE-CIEL

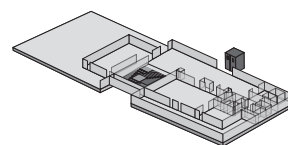


LEVEL +1 TÊTE-D'OR

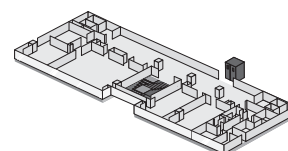
L'Amphithéâtre
General Session



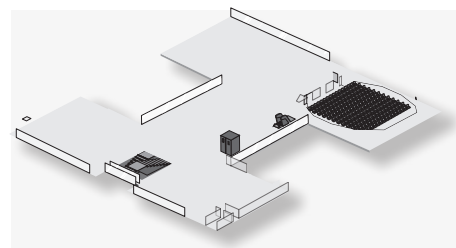
LEVEL 0 CORDELIERS
Main Congress Entrance (Outside)
Use stairs in Raymond Barre Esplanade



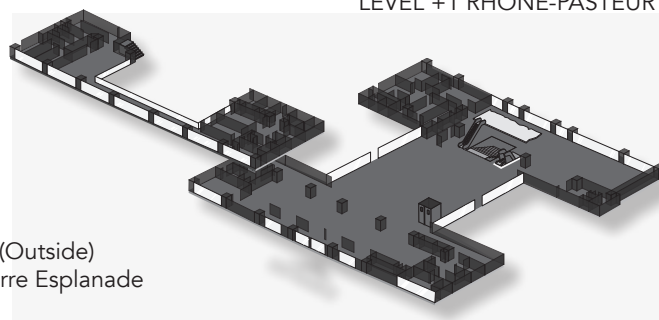
LEVEL +3 ROSERAIE



LEVEL +2 SAINT-CLAIR

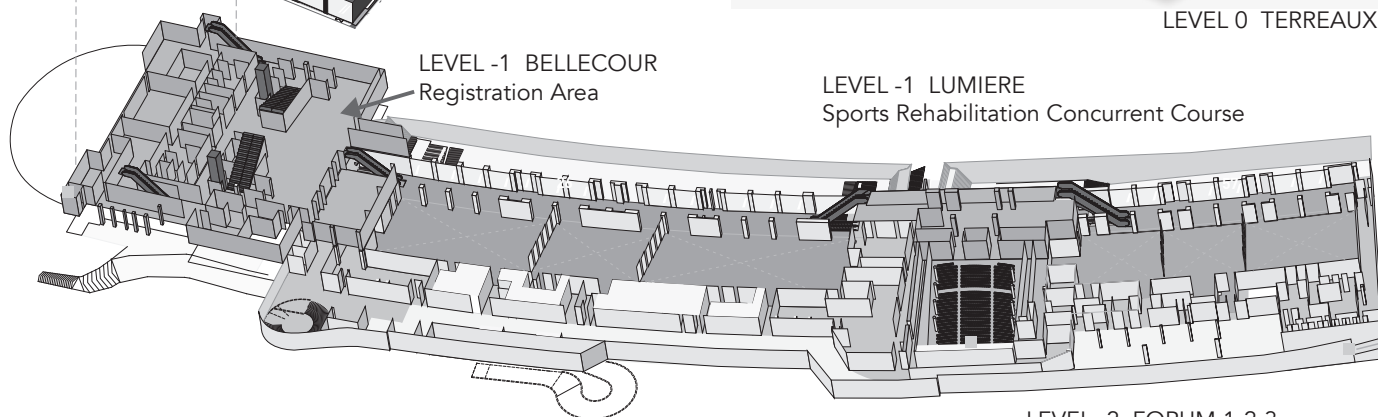


LEVEL +1 RHÔNE-PASTEUR



LEVEL 0 TERREAUX

LEVEL -1 LUMIÈRE
Sports Rehabilitation Concurrent Course



LEVEL -1 BELLECOUR
Registration Area

LEVEL -2 FORUM 4-5-6
Exhibition Area

LEVEL -2 FORUM 1-2-3
Pre-Courses
Concurrent Sessions

10TH Biennial

ISAKOS CONGRESS 2015

JUNE 7-11, 2015 LYON, FRANCE

| TIME | SUNDAY, JUNE 7 | MONDAY, JUNE 8 | TUESDAY, JUNE 9 | WEDNESDAY, JUNE 10 | THURSDAY, JUNE 11 |
|--|---|---|--|---|---|
| | Registration: 06:30 – 17:00 | 06:30 – 17:00 | 06:30 – 15:30 | 06:30 – 17:00 | 06:30 – 12:00 |
| | Exhibits: 07:00 – 15:30; 17:30 – 20:00 | 08:30 – 15:30 | 08:30 – 15:00 | 08:30 – 15:30 | CLOSED |
| Sports Rehab Concurrent Course: 08:30 – 17:00 | | 08:30 – 17:00 | 08:30 – 17:00 | | |
| 07:30 | | Instructional Course Lectures #1 – 8 07:30 – 09:00 | Instructional Course Lectures #9 – 16 07:30 – 09:00 | Instructional Course Lectures #17 – 24 07:30 – 09:00 | Instructional Course Lectures #25 – 32 07:30 – 09:00 |
| 08:00 | Opening Ceremony 08:00 – 08:45 | | | | |
| 08:30 | Walking Break: 08:45 – 09:00 | | | | |
| 09:00 | Concurrent Sessions 09:00 – 12:00 | Break to Visit Exhibits 09:00 – 09:30 | Break to Visit Exhibits 09:00 – 09:30 | Break to Visit Exhibits 09:00 – 09:30 | Concurrent Sessions 09:00 – 13:00 |
| 09:30 | | ISAKOS Business Meeting I Members Only: 09:30 – 10:10 | Opening Session 09:30 – 10:30 | ISAKOS Business Meeting II Members Only: 09:30 – 10:15 | |
| 10:00 | | Opening Session 10:15 – 10:45 | | Opening Session 10:15 – 11:00 | |
| 10:30 | | Walking Break: 10:45 – 11:00 | Walking Break: 10:30 – 10:45 | | |
| 11:00 | | Concurrent Session 11:00 – 12:00 | Concurrent Session 10:45 – 12:00 | Walking Break: 11:00 – 11:15 | |
| 11:30 | | | | Concurrent Session 11:15 – 12:00 | |
| 12:00 | Walking Break: 12:00 – 12:15 | Walking Break: 12:00 – 12:15 | Walking Break: 12:00 – 12:15 | Walking Break: 12:00 – 12:15 | |
| 12:30 | Lunch Time Sessions 12:15 – 13:30 | Lunch Time Sessions 12:15 – 13:30 | Lunch Time Sessions 12:15 – 13:30 | Lunch Time Sessions 12:15 – 13:30 | |
| 13:00 | | | | | End of Congress 13:00 |
| 13:30 | Concurrent Sessions 13:30 – 15:00 | Concurrent Sessions 13:30 – 15:00 | Concurrent Sessions 13:30 – 15:00 | Concurrent Sessions 13:30 – 15:30 | |
| 14:00 | | | | | |
| 14:30 | | | | | |
| 15:00 | Break to Visit Exhibits 15:00 – 15:30 | Break to Visit Exhibits 15:00 – 15:30 | Break to Visit Exhibits 15:00 – 15:30 | | |
| 15:30 | Concurrent Sessions 15:30 – 17:30 | Concurrent Sessions 15:30 – 17:30 | Concurrent Sessions 15:30 – 17:30 | End of Day 15:30 | |
| 16:00 | | | | | |
| 16:30 | | | | | |
| 17:00 | | | | | |
| 17:30 | Return to General Session 17:30 – 17:45 | | | | |
| | Opening Celebration General Session: 17:45 | | | | |
| 18:00 | Welcome Reception Exhibit Hall: 18:00 – 20:00 | | | | |
| | 07 | 08 | 09 | 10 | 11 |

SUNDAY, JUNE 7, 2015

GENERAL SESSION: L'AMPHITHÉÂTRE

| | |
|-------------|---|
| 08:00–08:45 | OPENING CEREMONY <i>Masahiro Kurosaka, MD JAPAN, ISAKOS President 2013–2015</i> <i>Anastasios D. Georgoulis, MD, Prof. GREECE, ISAKOS Program Chair, 2015</i> <i>Philippe Noel Neyret, MD, PhD FRANCE, ISAKOS Congress Local Host, 2015</i> |
| 08:45–09:00 | Transition to Session Rooms |
| 09:00–12:00 | KNEE: ANTERIOR CRUCIATE LIGAMENT <i>Moderators: Masahiro Kurosaka, MD JAPAN</i> <i>Volker Musahl, MD USA</i> |
| 09:00–10:00 | Symposium: Healing of the ACL Grafts–Clinical Implications Co-Chairs: Freddie H. Fu, MD USA Christophe H. Hulet, MD, Prof. FRANCE <i>Peter Uwe Brucker, MD, PhD, MSc GERMANY</i> <i>James H. Lubowitz, MD USA</i> |
| 10:00–10:45 | Surgical Demonstration: Easy and Reproducible Method to Achieve Anatomic ACL Repair Results Sponsored by Smith & Nephew <i>Darren Lee Johnson, MD USA</i> |
| 10:45–11:45 | Symposium: The Shape of the AC–Implications to Surgery Co-Chairs: Konsei Shino, MD, PhD JAPAN Edward M. Wojtys, MD USA <i>Freddie H. Fu, MD USA</i> <i>Anastasios D. Georgoulis, MD, Prof. GREECE</i> <i>Robert Jacek Smigielski, MD POLAND</i> |
| 11:45–12:00 | Lecture: How to Prevent Early Osteoarthritis Following ACL Reconstruction from a Tissue Homeostasis Perspective <i>Presenter: Scott F. Dye, MD USA</i> <i>Moderator: Masahiro Kurosaka, MD JAPAN</i> |
| 12:00–12:15 | Walking Break |
| 12:15–13:30 | LUNCH TIME SESSIONS* |
| 13:30–15:00 | KNEE: ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION <i>Moderators: Giuliano Giorgio Cerulli, MD ITALY</i> <i>Philippe Noel Neyret, MD, PhD FRANCE</i> |
| 13:30–14:30 | Symposium: Remnants Preserving ACL Reconstruction Chair: Mitsuo Ochi, MD, PhD JAPAN <i>Freddie H. Fu, MD USA</i> <i>Sung-Jae Kim, MD, PhD, FACS KOREA</i> <i>Rainer Siebold, MD, Prof. GERMANY</i> <i>Kazunori Yasuda, MD, PhD JAPAN</i> |
| 14:30–14:45 | Lecture: Football for Health–20 Years of F-MARC <i>Jiri Dvorak, Prof. SWITZERLAND</i> |
| 14:45–15:00 | Lecture: New Insights into the Surgical Anatomy and Clinical Biomechanics of the ACL <i>Presenter: Andrew A. Amis, FEng, PhD, DSc UNITED KINGDOM</i> <i>Moderator: Giuliano Giorgio Cerulli, MD ITALY</i> |
| 15:00–15:30 | BREAK TO VISIT EXHIBITS |
| 15:30–17:30 | KNEE: ANTERIOR CRUCIATE LIGAMENT BIOMECHANICS <i>Moderator: Stefano Zaffagnini, MD, Prof. ITALY</i> <i>Willem van der Merwe, MBChB, FCS, SA Ortho SOUTH AFRICA</i> |

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| 15:30–16:30 | Symposium: Innovative Knowledge on ACL Biomechanics Co-Chairs: Timothy E. Hewett, PhD USA Kazunori Yasuda, MD, PhD JAPAN <i>Andrew A. Amis, FEng, PhD, DSc UNITED KINGDOM</i> <i>Volker Musahl, MD USA</i> <i>Evangelos Pappas, PT, PhD, OCS AUSTRALIA</i> |
| 16:30–16:45 | Award Presentation: Albert Trillat Young Investigators Research Award The Role of the Anterolateral Structures and the ACL in Controlling Internal Rotational Knee Laxity <i>Christoph Kittl, MD AUSTRIA</i> |
| 16:45–17:15 | Paper Presentation Block Paper #1–4: Basic Science |
| 17:15–17:30 | Paper Presentation Block Paper #5–6: Knee: ACL–Biomechanics |
| 17:30–17:45 | Transition to Opening Celebration–General Session |
| 17:45–18:00 | ISAKOS CONGRESS OPENING CELEBRATION |
| 18:00–20:00 | ISAKOS CONGRESS WELCOME RECEPTION–EXHIBIT HALL, FORUM 4, 5, 6 |

CONCURRENT SESSION: FORUM 1

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| 09:00–12:00 | SHOULDER: ROTATOR CUFF <i>Moderators: Philippe P. Hardy, MD, PhD, Prof. FRANCE</i> <i>Jon Karlsson, Prof. SWEDEN</i> |
| 09:00–10:00 | Surgical Demonstration: Novel Technique in Instability Repair Sponsored by Smith & Nephew <i>Andrew Wallace, MD, PhD, FRCS, FRACS UNITED KINGDOM</i> |
| 10:00–11:00 | Symposium: Biology & Biomechanics: Rotator Cuff Co-Chairs: Andreas B. Imhoff, MD, Prof. GERMANY Nahum Rosenberg, MD ISRAEL <i>Olivier Courage, MD FRANCE</i> <i>George A. Murrell, MD, PhD AUSTRALIA</i> <i>Pietro Randelli, MD, Prof. ITALY</i> <i>Scott A. Rodeo, MD USA</i> |
| 11:00–11:30 | Paper Presentation Block: Paper #7–10: Rotator Cuff |
| 11:30–12:00 | Special Event: Paper #11–14: Caspari Award–Finalist Presentations <i>Moderator: Eiji Itoi, MD, PhD JAPAN</i> |
| 12:00–12:15 | Walking Break |
| 12:15–13:30 | LUNCH TIME SESSIONS* |
| 13:30–15:00 | ROTATOR CUFF <i>Moderator: Alberto Castro Pochini, MD BRAZIL</i> |
| 13:30–14:00 | Paper Presentation Block: Paper #15–18: Rotator Cuff |
| 14:00–15:00 | Surgical Demonstration: Complex Rotator Cuff Repair Technique that Improves Contact Area Sponsored by Smith & Nephew <i>Ian King Yeung Lo, MD CANADA</i> |
| 15:00–15:30 | BREAK TO VISIT EXHIBITS |
| 15:30–17:30 | SHOULDER: ROTATOR CUFF & INSTABILITY <i>Moderators: Emmanuel M. Antonogiannakis, MD GREECE</i> <i>Pascal Boileau, MD, Prof. FRANCE</i> |

Financial Disclosure Information can be found on Page 143 and online at www.isakos.com.

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| 15:30–16:00 | Paper Presentation Block: Paper #19–22: Rotator Cuff |
| 16:00–16:30 | Paper Presentation Block: Paper #23–26: Shoulder Instability Repair |
| 16:30–17:30 | Symposium: Decision Making in Shoulder Instability Co-Chairs: Guillermo Arce, MD ARGENTINA Matthew T. Provencher, MD USA Richard L. Angelo, MD USA Pascal Boileau, MD, Prof. FRANCE Giovanni Di Giacomo, MD ITALY Vicente Gutierrez, MD CHILE |
| 17:30–17:45 | Return to General Session for Opening Celebration |
| CONCURRENT SESSION: FORUM 2 | |
| 09:00–12:00 | KNEE–VARIOUS TOPICS <i>Moderators:</i> Jack T. Andrish, MD USA Philipp Lobenhoffer, MD, Prof. GERMANY Timothy S. Whitehead, MBBS, FRACS AUSTRALIA |
| 09:00–9:45 | Paper Presentation Block: Paper #27–32: Meniscus Allograft or Substitutes? |
| 09:45–10:15 | Paper Presentation Block: Paper #33–36: Knee Osteotomy & Replacement |
| 10:15–11:15 | Symposium: Computer Assisted Orthopaedic Surgery: CAOS or CHAOS? Chair: Burt Klos, MD, PhD NETHERLANDS Andrea Ferretti, MD ITALY Jean-Yves Jenny, MD FRANCE David Anthony Parker, MBBS, BMedSci, FRACS AUSTRALIA Stephane Plaweski, MD, PhD, Prof. FRANCE |
| 11:15–11:45 | Paper Presentation Block: Paper #37–40: Knee Osteotomy |
| 11:45–12:00 | Lecture: The Use of Spect/CT to Diagnose Persistent Problems After Knee Surgery Michael Tobias Hirschmann, MD SWITZERLAND |
| 12:00–12:15 | Walking Break |
| 12:15–13:30 | LUNCH TIME SESSIONS* |
| 13:30–15:00 | KNEE: REPLACEMENT <i>Moderators:</i> Nicolaas Cyrillus Budhiparama, MD, FICS INDONESIA Barry R. Tietjens, FRACS NEW ZEALAND |
| 13:30–14:00 | Paper Presentation Block: Paper #41–44: Soft Tissue Balance & Alignment in TKR |
| 14:00–15:00 | Symposium: Physical Activity After Knee Replacement Co-Chairs: Mark Clatworthy, FRACS NEW ZEALAND Hermann Otto Mayr, MD, Prof. GERMANY Nanne P. Kort, MD, PhD NETHERLANDS Hiromasa Miura, MD, PhD JAPAN |
| 15:00–15:30 | BREAK TO VISIT EXHIBITS |
| 15:30–16:30 | KNEE: PCL & MULTILIGAMENT INJURIES <i>Moderators:</i> Myles Raphael James Coolican, FRACS AUSTRALIA Sebastien Lustig, MD, PhD, Prof. FRANCE |
| 15:30–16:00 | Paper Presentation Block: Paper #45–48: PCL Injuries |
| 16:00–16:30 | Paper Presentation Block: Paper #49–52: Multiligament Knee Injuries |
| 16:30–17:30 | CARTILAGE <i>Moderators:</i> Mahmut Nedim Doral, MD, Prof. TURKEY Alberto Gobbi, MD ITALY |

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| 16:30–17:00 | Paper Presentation Block: Paper #53–56: Cartilage |
| 17:00–17:30 | Paper Presentation Block: Paper #57–60: Cartilage |
| 17:30–17:45 | Return to General Session for Opening Celebration |
| CONCURRENT SESSION: FORUM 3 | |
| 09:00–10:00 | CARTILAGE <i>Moderator:</i> Stephen Lyman, MD, PhD USA Stefano Zaffagnini, MD, Prof. ITALY |
| 09:00–9:30 | Paper Presentation Block: Paper #61–64: Cartilage |
| 09:30–10:00 | Paper Presentation Block: Paper #65–68: Cartilage |
| 10:00–11:00 | ANKLE <i>Moderator:</i> C. Niek Van Dijk, MD, PhD NETHERLANDS |
| 10:00–10:30 | Paper Presentation Block: Paper #69–72: Ankle Instability & Arthroscopy |
| 10:30–11:00 | Paper Presentation Block: Paper #73–76: Ankle |
| 11:00–12:00 | SPORTS MEDICINE–MUSCLES & TENDONS <i>Moderators:</i> Kai-Ming Chan, MBBS, MCH(ORTH), FRCP(S)(G), FRCS(E), FRCS. ED(ORTH) HONG KONG Francois Kelberine, MD FRANCE |
| 11:00–11:30 | Paper Presentation Block: Paper #77–80: Sports Medicine–Muscles & Tendons |
| 11:30–12:00 | Paper Presentation Block: Paper #81–84: Sports Medicine–Muscles & Tendons |
| 12:00–12:15 | Walking Break |
| 12:15–13:30 | LUNCH TIME SESSIONS* |
| 13:30–15:00 | SHOULDER & BASIC SCIENCE <i>Moderator:</i> Giuseppe Milano, MD ITALY Yon-Sik Yoo, MD, PhD KOREA |
| 13:30–14:00 | Paper Presentation Block: Paper #85–88: Shoulder |
| 14:00–14:30 | Special Event: Paper #89–92: John Joyce Award – Finalist Presentations <i>Moderator:</i> Kevin P. Shea, MD USA |
| 14:30–15:00 | Special Event: Paper #93–96: Scientific Award–Finalist Presentations <i>Moderator:</i> Norimasa Nakamura, MD, PhD JAPAN |
| 15:00–15:30 | BREAK TO VISIT EXHIBITS |
| 15:30–17:30 | ARTHROSCOPY: EDUCATION & ANATOMY <i>Moderators:</i> Andrew A. Amis, FEng, PhD, DSc UNITED KINGDOM Robert Jacek Smigielski, MD POLAND |
| 15:30–16:30 | Symposium: Education in Arthroscopy and the Role of Simulators Co-Chairs: Mustafa Karahan, Prof. TURKEY C. Niek Van Dijk, MD, PhD NETHERLANDS Kai-Ming Chan, MBBS, MCH(ORTH), FRCP(S)(G), FRCS(E), FRCS.ED(ORTH) HONG KONG Gabriëlle Tuijthof, MSc, PhD NETHERLANDS Nikhil N. Verma, MD USA |
| 16:30–17:00 | Paper Presentation Block: Paper #97–100: Knee: ACL |
| 17:00–17:30 | Paper Presentation Block: Paper #101–104: Knee: ACL Anatomy |
| 17:30–17:45 | Return to General Session for Opening Celebration |

MONDAY, JUNE 8, 2015



07:30–09:00 INSTRUCTIONAL COURSE LECTURES (PLEASE SEE PG. 34–43 FOR MORE INFORMATION)

09:00–09:30 BREAK TO VISIT THE EXHIBITS

| GENERAL SESSION: L'AMPHITHÉÂTRE | | CONCURRENT SESSION: FORUM 1 | |
|---------------------------------|--|-----------------------------|--|
| 09:30–10:10 | ISAKOS BUSINESS MEETING I: ISAKOS Members Only | 11:00–12:00 | SHOULDER: A-C JOINT DISLOCATION <i>Moderator: Carina Cohen, MD BRAZIL</i> |
| 10:10–10:15 | Transition from Business Meeting to Opening Session | 11:00–12:00 | Symposium: State of Art in AC Joint Dislocations Chair: Guillermo Arce, MD ARGENTINA Klaus Bak, MD DENMARK Benno Eijnisman, MD BRAZIL Augustus D. Mazzocca, MS, MD USA |
| 10:15–10:45 | OPENING SESSION Special Event: ISAKOS Presidential Lecture <i>Masahiro Kurosaka, MD JAPAN, ISAKOS President, 2013–2015</i> <i>Introduction by Moises Cohen, MD, PhD, Prof. BRAZIL</i> | 12:00–12:15 | Walking Break |
| 10:45–11:00 | Transition to Session Rooms | 12:15–13:30 | LUNCH TIME SESSIONS* |
| 11:00–12:00 | KNEE: ACL RECONSTRUCTION <i>Moderators: Joao Duarte Espregueira-Mendes, MD, PhD PORTUGAL</i> <i>Barry R. Tietjens, FRACS NEW ZEALAND</i> | 13:30–15:00 | HIP ARTHROSCOPY <i>Moderators: Nicolas Bonin, MD FRANCE</i> <i>John M. O'Donnell, MBBS, FRACS AUSTRALIA</i> |
| 11:00–11:15 | Lecture: Anatomical ACL Reconstruction: State of the Art <i>Freddie H. Fu, MD USA</i> | 13:30–14:30 | Surgical Demonstration: Hip Arthroscopy: From Access to Repair Sponsored by ConMed <i>Victor M. Ilizaliturri, MD MEXICO</i> <i>Thomas G. Sampson, MD USA</i> |
| 11:15–11:30 | Lecture: ACL Augmentation: Precise Technique, Clinical Results <i>Mitsuo Ochi, MD, PhD JAPAN</i> | 14:30–15:00 | Paper Presentation Block: Paper #109–112: Hip Arthroscopy |
| 11:30–12:00 | Debate: Graft Choice for ACL Reconstruction in Athletes: Hamstrings vs. Patellar Tendon Chair: Matteo Denti, MD ITALY <i>James R. Andrews, MD USA</i> <i>Konsei Shino, MD, PhD JAPAN</i> | 15:00–15:30 | Break to Visit Exhibits |
| 12:00–12:15 | Walking Break | 15:30–17:30 | SPOTLIGHT ON THE ATHLETE <i>Moderators: Nicola Maffulli, MD, PhD, MS, FRCS(Orth) UNITED KINGDOM</i> <i>Gary G. Poehling, MD USA</i> |
| 12:15–13:30 | LUNCH TIME SESSIONS* | 15:30–15:45 | Lecture: Diagnosis & Treatment of the Young Throwing Athlete <i>James R. Andrews, MD USA</i> |
| 13:30–15:00 | KNEE: ACL RECONSTRUCTION <i>Moderators: Takeshi Muneta, MD, PhD JAPAN</i> <i>Volker Musahl, MD USA</i> | 15:45–16:45 | Symposium: The Biceps Tendon in the Young & Athletically Active Patient Chair: Felix Henry Savoie III, MD USA Klaus Bak, MD DENMARK Eugene Ek, MBBS, PhD, FRACS AUSTRALIA Michael Thomas Freehill, MD USA Matthew T. Provencher, MD USA Anthony A. Romeo, MD USA |
| 13:30–14:30 | Symposium: The Different Aspects of an Anatomical ACL Reconstruction Co-Chairs: Manfred Bernard, MD, PhD GERMANY Edward M. Wojtys, MD USA <i>Giuliano Giorgio Cerulli, MD ITALY</i> <i>Anastasios D. Georgoulis, MD, Prof. GREECE</i> <i>Takeshi Muneta, MD, PhD JAPAN</i> | 16:45–17:00 | Special Event: Achilles Sports Medicine Research Award Presentation Biomechanical Consequences of a Nonanatomic Posterior Medial Meniscus Root Repair After a Root Tear <i>Christopher M. LaPrade, BA USA</i> |
| 14:30–15:00 | Paper Presentation Block: Paper #105–108: ACL Reconstruction | 17:00–17:30 | Paper Presentation Block: Paper #113–116: Meniscus |
| 15:00–15:30 | Break to Visit Exhibits | | |
| 15:30–17:30 | KNEE: MEASURING ROTATIONAL LAXITY & SHORT GRAFTS <i>Moderators: Norimasa Nakamura, MD, PhD JAPAN</i> <i>Kevin D. Plancher, MD USA</i> | | |
| 15:30–16:30 | Symposium: Knee Laxity and Rotation Measurement Chair: Joao Duarte Espregueira-Mendes, MD, PhD PORTUGAL <i>Ryosuke Kuroda, MD, PhD JAPAN</i> <i>Volker Musahl, MD USA</i> <i>Andrew D. Pearle, MD USA</i> <i>Romain Seil, MD LUXEMBOURG</i> <i>Elvire Servien, MD, PhD, Prof. FRANCE</i> | | |
| 16:30–17:30 | Symposium: Short ACL Grafts Spare Tendon and Bone Co-Chairs: James H. Lubowitz, MD USA Stephane Plaweski, MD, PhD, Prof. FRANCE <i>Michel Collette, MD BELGIUM</i> <i>Yasuyuki Ishibashi, MD JAPAN</i> <i>Hubert Lanternier, MD FRANCE</i> | | |

07:30–09:00 INSTRUCTIONAL COURSE LECTURES (PLEASE SEE PG. 34–43 FOR MORE INFORMATION)
09:00–09:30 BREAK TO VISIT THE EXHIBITS

| CONCURRENT SESSION: FORUM 2 | | CONCURRENT SESSION: FORUM 3 | |
|-----------------------------|--|-----------------------------|--|
| 11:00–12:00 | ANKLE–ANTERIOR TALOFIBULAR LIGAMENT <i>Moderators: Gino M.M.J. Kerkhoffs, MD, PhD, Prof. NETHERLANDS</i> <i>C. Niek Van Dijk, MD, PhD NETHERLANDS</i> | 11:00–12:00 | BASIC SCIENCE <i>Moderators: Romain Seil, MD LUXEMBOURG</i> <i>Patrick Shu Hang Yung, FRCS(Orth Surgery), FHKCOS, FHKAM, FRCS, MBChB HONG KONG</i> |
| 11:00–11:45 | Surgical Demonstration: Anterior Talofibular Ligament Repair Sponsored by Smith & Nephew <i>Mark Glazebrook, MSC, PHD, MD, FRCS(C) CANADA</i> | 11:00–11:30 | Paper Presentation Block: Paper 119–122: Basic Science |
| 11:45–12:00 | Paper Presentation Block: Paper #117–118: Ankle | 11:30–12:00 | Paper Presentation Block: Paper #123–126: Basic Science |
| 12:00–12:15 | Walking Break | 12:00–12:15 | Walking Break |
| 12:15–13:30 | LUNCH TIME SESSIONS* | 12:15–13:30 | LUNCH TIME SESSIONS* |
| 13:30–15:00 | KNEE: TOTAL KNEE REPLACEMENT <i>Moderators: Stephen M. Howell, MD USA</i> <i>David Anthony Parker, MBBS, BMedSci, FRACS AUSTRALIA</i> | 13:30–15:00 | MEDIAL PATELLOFEMORAL LIGAMENT & ARTHROSCOPY TRAINING <i>Moderators: Elizabeth A. Arendt, MD USA</i> <i>Mustafa Karahan, Prof. TURKEY</i> |
| 13:30–14:00 | Debate: Will Total Knee Replacement Ever Provide Normal Knee Function? Chair: David Anthony Parker, MBBS, BMedSci, FRACS AUSTRALIA <i>Roland Becker, MD, PhD, Prof. GERMANY</i> <i>Willem Mare van der Merwe, MBChB, FCS, SA Ortho SOUTH AFRICA</i> | 13:30–13:45 | Paper Presentation Block: Paper #127–128: Arthroscopy Training |
| 14:00–15:00 | Symposium: In Vivo TKA Kinematics: How to Describe It, How to Use It Co-Chairs: Stephen M. Howell, MD USA Maurilio Marcacci, MD ITALY <i>Philippe Beaufils, MD FRANCE</i> | 13:45–14:00 | Special Event: Patellofemoral Research Excellence Award Presentation Femoral Antetorsion is Related to the Morphology of the Femoral Trochlea <i>Michael Christian Liebensteiner, MD, PhD AUSTRIA</i> |
| 15:00–15:30 | Break to Visit Exhibits | 14:00–15:00 | Symposium: Medial Patellofemoral Ligament: Anatomy, Injury & Reconstruction Co-Chairs: David Henri Dejour, MD FRANCE Donald C. Fithian, MD USA <i>Michael Elias Hantes, Assoc. Prof. GREECE</i> <i>Philip Bastian Schoettle, MD, PhD, Assoc. Prof. GERMANY</i> |
| 15:30–17:30 | KNEE: CARTILAGE & TOTAL KNEE ARTHROPLASTY <i>Moderators: Stephen L. Lyman, PhD USA</i> <i>Peter T. Myers, MBBS, FRACS AUSTRALIA</i> | 15:00–15:30 | Break to Visit Exhibits |
| 15:30–16:30 | Symposium: Biologic Therapies for Cartilage Chair: Johnny Huard, PhD USA <i>Adam William Anz, MD USA</i> <i>Frank Barry, IRELAND</i> | 15:30–17:30 | RETURN TO SPORTS: INJURY PREVENTION & THE TEAM PHYSICIAN <i>Moderator: Timothy E. Hewett, PhD USA</i> |
| 16:30–17:30 | Surgical Demonstration: Simple Technique Using Manual Instruments to Perform Kinetically Aligned TKA Sponsored by Zimmer <i>Stephen M. Howell, MD USA</i> | 15:30–16:30 | Symposium: Athletic Team Physician Chair: Dean C. Taylor, MD USA <i>Lucio Sergio Rocha Ernlund, MD, MSc BRAZIL</i> <i>Mohsen Hussein, PhD SLOVENIA</i> <i>Geoffrey Verrall, MBBS, FACSP AUSTRALIA</i> <i>Roshan Mangaldas Wade, MS Ortho, D Ortho FCPS, DNB Ortho INDIA</i> |
| | | 16:30–17:00 | Paper Presentation Block: Paper #129–132: Injury Prevention & Return to Sports |
| | | 17:00–17:30 | Paper Presentation Block: Paper #133–136: Injury Prevention & Return to Sports |

TUESDAY, JUNE 9, 2015



07:30–09:00 INSTRUCTIONAL COURSE LECTURES (PLEASE SEE PG. 34–43 FOR MORE INFORMATION)

09:00–09:30 BREAK TO VISIT THE EXHIBITS

| GENERAL SESSION: L'AMPHITHÉÂTRE | | CONCURRENT SESSION: FORUM 1 | |
|---------------------------------|--|-----------------------------|---|
| 09:30–10:30 | OPENING SESSION Special Event: ISAKOS Presidential Guest Lecture <i>Thierry Frémaux, Director of the Institut Lumière & Cannes Film Festival</i> Introduction by Philippe Neyret, MD France Special Event: 11 th Biennial Congress Presentation <i>Philippe Neyret, MD FRANCE, ISAKOS President 2015–2017</i> <i>Julian Feller, MD AUSTRALIA, ISAKOS Program Chair, 2017</i> <i>Shiyi Chen, MD, PhD CHINA, ISAKOS Congress Local Host 2017</i> <i>Jiwu Chen, MD, PhD CHINA, ISAKOS Congress Local Host 2017</i> | 10:45–12:00 | THE ATHLETE'S UPPER EXTREMITY: SPOTLIGHT ON HAND, WRIST & ELBOW <i>Moderator: Gregory Ian Bain, MBBS, FRACS, PhD AUSTRALIA</i> 10:45–11:00 Lecture: Hand Injuries in Sport <i>Moroe Beppu, MD, PhD JAPAN</i> 11:00–12:00 Symposium: Advances in Elbow and Wrist Arthroscopy in Athletically Active Patients Co-Chairs: Luigi Adriano Pederzini, MD ITALY Marc Raymond Safran, MD USA <i>Gregory Ian Bain, MBBS, FRACS, PhD AUSTRALIA</i> <i>Christophe Louis Mathoulin, Prof., MD, FMH FRANCE</i> <i>Felix Henry Savoie III, MD USA</i> |
| 10:30–10:45 | Transition to Session Rooms | 12:00–12:15 | Walking Break |
| 10:45–12:00 | KNEE: REVISION ACL RECONSTRUCTION <i>Moderators: Robert A. Arciero, MD USA</i> <i>Elvire Servien, MD, PhD, Prof. FRANCE</i> | 12:15–13:30 | LUNCH TIME SESSIONS* |
| 10:45–11:45 | Symposium: ACL Revision: Everything You Wanted to Know Co-Chairs: Robert A. Arciero, MD USA Robert G. Marx, MD, MSc, FRCSC USA <i>Annunziato Amendola, MD USA</i> <i>Christopher D. Harner, MD USA</i> <i>Konsei Shino, MD, PhD JAPAN</i> <i>Stefano Zaffagnini, MD, Prof. ITALY</i> | 13:30–14:30 | SHOULDER: ROTATOR CUFF <i>Moderators: Guillermo Arce, MD ARGENTINA</i> <i>Carina Cohen, MD BRAZIL</i> 13:30–14:30 Symposium: Treatment of Massive Rotator Cuff Tears Co-Chairs: Stephen S. Burkhart, MD USA Philippe P. Hardy, MD, PhD, Prof. FRANCE <i>Fernando Enrique Barclay, MD ARGENTINA</i> <i>Seung-Ho Kim, MD, PhD KOREA</i> <i>Teruhisa Mihata, MD, PhD JAPAN</i> |
| 11:45–12:00 | Paper Presentation Block: Paper #137–138: ACL Reinjury | 14:30–15:30 | KNEE: PATELLOFEMORAL JOINT & MPFL RECONSTRUCTION <i>Moderators: Radu Prejbeanu, MD, PhD ROMANIA</i> <i>Elvire Servien, MD, PhD, Prof. FRANCE</i> 14:30–15:00 Paper Presentation Block: Paper #139–142: Patellofemoral Joint 15:00–15:30 Paper Presentation Block: Paper #143–146: MPFL Reconstruction |
| 12:00–12:15 | Walking Break | | |
| 12:15–13:30 | LUNCH TIME SESSIONS* | | |
| 13:30–15:30 | KNEE: CARTILAGE AND ACL INJURY <i>Moderator: Robert G. Marx, MD, MSc, FRCSC USA</i> 13:30–14:30 Surgical Demonstration: Arthroscopic Anatomic ACL Reconstruction Sponsored by DePuy Synthes Mitek Sports Medicine <i>Alessandro Lelli, MD ITALY</i> 14:30–15:30 Symposium: Cartilage and ACL Injury Co-Chairs: Alberto Gobbi, MD ITALY Chadwick C. Prodromos, MD USA <i>Mats Brittberg, MD, PhD, Prof. SWEDEN</i> <i>Maurilio Marcacci, MD ITALY</i> <i>Norimasa Nakamura, MD, PhD JAPAN</i> | | |

07:30–09:00 INSTRUCTIONAL COURSE LECTURES (PLEASE SEE PG. 34–43 FOR MORE INFORMATION)
09:00–09:30 BREAK TO VISIT THE EXHIBITS

| CONCURRENT SESSION: FORUM 2 | | CONCURRENT SESSION: FORUM 3 | |
|-----------------------------|---|-----------------------------|---|
| 10:45–12:00 | BIOLOGIC TREATMENTS <i>Moderators: Per Anders Renström, MD, PhD SWEDEN</i> <i>René E. Verdonk, MD, PhD BELGIUM</i> | 10:45–12:00 | HIP: LABRAL REPAIR <i>Moderator: J.W. Thomas Byrd, MD USA</i> <i>Nick Mohtadi, MD, MSc, FRCS CANADA</i> |
| 10:45–11:00 | Lecture: Synovial Stem Cell Therapy for Meniscus Regeneration <i>Masafumi Horie, MD PhD JAPAN</i> | 10:45–11:45 | Surgical Demonstration: Labral Repair Sponsored by Smith & Nephew <i>Marc J. Philippon, MD USA</i> |
| 11:00–11:15 | Lecture: Articular Cartilage Regeneration Using Autologous Peripheral Blood Stem Cells <i>Khay Yong Saw, MB ChB, MCh Orth, FRCS(Edin) MALAYSIA</i> | 11:45–12:00 | Paper Presentation Block: Paper #147–148: Hip |
| 11:15–11:30 | Lecture: Xenografts in Orthopaedics: the Future of Ligament Replacement <i>Kevin R. Stone, MD USA</i> | 12:00–12:15 | Walking Break |
| 11:30–12:00 | Debate: The Role of PRP Applications in Sport Injuries Chair: Lars Engebretsen, MD, PhD NORWAY <i>Stephen P. Abelow, MD, Prof. USA</i> <i>Ramon Cugat, MD, PhD SPAIN</i> | 12:15–13:30 | LUNCH TIME SESSIONS* |
| 12:00–12:15 | Walking Break | 13:30–15:00 | HIP <i>Moderator: Per Holmich, Prof., DMSC DENMARK</i> <i>Omer Mei-Dan, MD USA</i> |
| 12:15–13:30 | LUNCH TIME SESSIONS* | 13:30–14:00 | Paper Presentation Block: Paper #149–152: Hip Arthroscopy |
| 13:30–15:00 | LIGAMENT & MENISCAL INJURIES <i>Moderator: Chih-Hwa Chen, MD TAIWAN</i> | 14:00–15:00 | Symposium: Advances in Hip Arthroscopy: Hip Chondral Injury & Arthroscopic Procedures Co-Chairs: Nicolas Bonin, MD FRANCE Marc J. Philippon, MD USA <i>Vikas Khanduja, MA, MBBS, MSc, FRCS, FRCS (Orth) UNITED KINGDOM</i> <i>Frederic Laude, MD FRANCE</i> <i>Richard N. Villar, MA, MS, FRCS UNITED KINGDOM</i> |
| 13:30–14:30 | Symposium: Biological and New Concepts to Treat Ligament Injuries Chair: Francois M. Kelberine, MD FRANCE <i>Giuliano Giorgio Cerulli, MD ITALY</i> <i>Chih-Hwa Chen, MD TAIWAN</i> <i>Mahmut Nedim Doral, MD, Prof. TURKEY</i> | 15:00–15:30 | Paper Presentation Block: Paper #153–156: Hip Arthroscopy |
| 14:30–15:30 | Surgical Demonstration: Reproducible Posterior Meniscal Root Repair Technique Sponsored by Smith & Nephew <i>Robert F. LaPrade, MD, PhD USA</i> | | |

WEDNESDAY, JUNE 10, 2015



07:30–09:00 INSTRUCTIONAL COURSE LECTURES (PLEASE SEE PG. 34–43 FOR MORE INFORMATION)

09:00–09:30 BREAK TO VISIT THE EXHIBITS

GENERAL SESSION: L'AMPHITHÉÂTRE

| | |
|-------------|---|
| 09:30–10:15 | ISAKOS BUSINESS MEETING II: ISAKOS Members Only |
| 10:15–11:00 | OPENING SESSION Special Event: ISAKOS Congress Awards Ceremony John Joyce Award Richard Caspari Award Scientific Research Award Upper Extremity Traveling Fellowship Patellofemoral Traveling Fellowship Masaki Watanabe Arthroscopy Traveling Fellowship Patellofemoral Research Excellence Award Albert Trillat Young Investigator's Award Achilles Orthopaedic Sports Medicine Award Special Event: Introduction of International Society Presidents |
| 11:00–11:15 | Transition to Session Rooms |
| 11:15–12:00 | KNEE: ACL & MENISCUS Moderators: John A. Bergfeld, MD USA Werner Mueller, MD SWITZERLAND Romain Seil, MD LUXEMBOURG |
| 11:15–11:30 | Lecture: Highlights in the Evolution of ACL Surgery Pierre Benoit Chablat, MD FRANCE |
| 11:30–11:45 | Lecture: Pediatric ACL Injury Allen F. Anderson, MD USA |
| 11:45–12:00 | Lecture: ACL and Meniscus Combined Injury—Management in the Acute or Chronic Case Moises Cohen, MD, PhD, Prof. BRAZIL |
| 12:00–12:15 | Walking Break |
| 12:15–13:30 | LUNCH TIME SESSIONS* |
| 13:30–15:00 | MENISCUS Moderators: Michael Elias Hantes, Assoc. Prof. GREECE Roshan Mangaldas Wade, MS Ortho, D Ortho FCPS, DNB Ortho INDIA |
| 13:30–14:00 | Paper Presentation Block: Paper #157–160: Meniscal Repairs |
| 14:00–15:00 | Symposium: Meniscus Scaffold or Allografts? Where Are We in 2015? Co-Chairs: Philippe Beaufils, MD FRANCE Joao Duarte Espregueira-Mendes, MD, PhD PORTUGAL Joan Carles Monllau, MD, PhD, Prof. SPAIN Hélder Miguel Duarte Pereira, MD PORTUGAL Nicolas Pujol, MD FRANCE Peter Verdonk, MD, PhD BELGIUM Stephano Zaffagnini, MD, Prof. ITALY |
| 15:00–15:30 | BREAK TO VISIT EXHIBITS |
| 15:30–17:30 | KNEE: COLLATERAL LIGAMENTS Moderator: Julian A. Feller, FRACS AUSTRALIA |
| 15:30–16:30 | Symposium: Knee Collateral Ligaments Chair: Robert F. LaPrade, MD, PhD USA Marco Kawamura Demange, MD, PhD BRAZIL Reha N. Tandogan, MD, Prof. TURKEY Bruce C. Twaddle, Prof., MD, FRACS USA |

| | |
|-------------|---|
| 16:30–17:30 | Surgical Demonstration: Demistifying the ALL-Evidence Based Approach Sponsored by Smith & Nephew Andrew A. Amis, FEng, PhD, DSc UNITED KINGDOM Andy Williams, MBBS, FRCS, FRCS (Orth) UNITED KINGDOM |
|-------------|---|

CONCURRENT SESSION: FORUM 1

| | |
|-------------|--|
| 11:15–12:00 | SHOULDER Moderators: Philippe P. Hardy, MD, PhD, Prof. FRANCE Kevin D. Plancher, MD USA |
| 11:15–11:30 | Lecture: My Decision to Use Shoulder Arthroplasty W. Jaap Willems, MD, PhD NETHERLANDS |
| 11:30–11:45 | Lecture: Hill-Sachs Lesion—How Important Is It? Anthony Miniaci, MD, FRCSC USA |
| 11:45–12:00 | Discussion |
| 12:00–12:15 | Walking Break |
| 12:15–13:30 | LUNCH TIME SESSIONS* |
| 13:30–15:00 | SHOULDER: INSTABILITY Moderators: Andreas B. Imhoff, MD, Prof. GERMANY Kevin P. Shea, MD USA |
| 13:30–14:00 | Paper Presentation Block: Paper #161–164: Shoulder Instability |
| 14:00–15:00 | Symposium: Posterior Shoulder Instability Chair: Pericles P. Papadopoulos, Prof. GREECE Christian Gerhardt, MD GERMANY Philippe P. Hardy, MD, PhD, Prof. FRANCE Kevin P. Shea, MD USA Hiroyuki Sugaya, MD JAPAN |
| 15:00–15:30 | BREAK TO VISIT EXHIBITS |
| 15:30–17:30 | SHOULDER: ROTATOR CUFF Moderators: Stephen S. Burkhart, MD USA Giovanni Di Giacomo, MD ITALY |
| 15:30–16:30 | Surgical Demonstration: Innovative and Effective Solution for Rotator Cuff Repair Sponsored by ConMed Jeffrey S. Abrams, MD USA Alessandro Castagna, MD ITALY |
| 16:30–17:30 | Symposium: Critical Concepts in Rotator Cuff Repair Co-Chairs: Eiji Itoi, MD, PhD JAPAN Felix Henry Savoie III, MD USA Stephen S. Burkhart, MD USA Emilio Calvo, MD, PhD, MBA SPAIN Andreas B. Imhoff, MD, Prof. GERMANY |

07:30–09:00 INSTRUCTIONAL COURSE LECTURES (PLEASE SEE PG. 34–43 FOR MORE INFORMATION)
09:00–09:30 BREAK TO VISIT THE EXHIBITS

| CONCURRENT SESSION: FORUM 2 | | CONCURRENT SESSION: FORUM 3 | |
|-----------------------------|--|-----------------------------|---|
| 11:15–12:00 | TOTAL KNEE REPLACEMENT <i>Moderator: Nicolaas Cyrillus Budhiparama, MD, FICS INDONESIA</i> <i>Andrew James Price, DPhil, FRCS(Orth) UNITED KINGDOM</i> | 11:15–12:00 | HIP <i>Moderators: Marc Raymond Safran, MD USA</i> <i>Allston J. Stubbs, MD USA</i> |
| 11:15–12:00 | Paper Presentation Block: Paper #165–170: Total Knee Replacement | 11:15–12:00 | Paper Presentation Block: Paper #184–189: Hip |
| 12:00–12:15 | Walking Break | 12:00–12:15 | Walking Break |
| 12:15–13:30 | LUNCH TIME SESSIONS* | 12:15–13:30 | LUNCH TIME SESSIONS* |
| 13:30–15:00 | KNEE: ACL <i>Moderators: Charles H. Brown, Jr., MD USA</i> <i>Christopher D. Harner, MD USA</i> | 13:30–15:00 | PATELLOFEMORAL JOINT <i>Moderator: John P. Fulkerson, MD USA</i> <i>Elvire Servien, MD, PhD, Prof. FRANCE</i> |
| 13:30–14:30 | Surgical Demonstration: Defining the True Anatomy of the ACL Using Evidence Based Science Sponsored by Smith & Nephew <i>Freddie H. Fu, MD USA</i> | 13:30–14:00 | Paper Presentation Block: Paper #190–193: Patellofemoral Joint |
| 14:30–15:00 | Paper Presentation Block: Paper #171–174: Knee: ACL Injury and Treatment | 14:00–15:00 | Special Event: Patellofemoral Traveling Fellows Presentation: Patellofemoral Update 2015 Co-Chairs: John P. Fulkerson, MD USA Philippe Noel Neyret, MD, PhD FRANCE <i>Ashraf Abdelkafy, MD, PhD EGYPT</i> <i>Karl Fredrik Almqvist, MD, PhD BELGIUM</i> <i>Laurie Anne Hiemstra, MD, PhD, FRCSC CANADA</i> <i>Jason L. Koh, MD USA</i> <i>Ryosuke Kuroda, MD, PhD JAPAN</i> <i>Christian Lattermann, MD USA</i> <i>Nicola Maffulli, MD, PhD, MS, FRCS(Orth) UNITED KINGDOM</i> <i>Shital N. Parikh, MD USA</i> <i>Philip Bastian Schoettle, MD, PhD, Assoc. Prof. GERMANY</i> <i>Geraldo Luiz Schuck De Freitas, MD BRAZIL</i> <i>Elvire Servien, MD, PhD, Prof. FRANCE</i> <i>Petri J. Sillanpää, MD, PhD FINLAND</i> |
| 15:00–15:30 | BREAK TO VISIT EXHIBITS | 15:00–15:30 | BREAK TO VISIT EXHIBITS |
| 15:30–17:30 | KNEE: DOUBLE BUNDLE ACL RECONSTRUCTION & TOTAL KNEE REPLACEMENT <i>Moderators: Charles H. Brown, Jr., MD USA</i> <i>Gianluca Camillieri, MD ITALY</i> | 15:30–17:30 | KNEE: MENISCUS & ACL RECONSTRUCTION <i>Moderator: Bjorn Engstrom, MD, PhD, Assoc. Prof. SWEDEN</i> <i>Christopher C. Kaeding, MD USA</i> |
| 15:30–16:00 | Paper Presentation Block: Paper #175–179: Double Bundle ACL Reconstruction | 15:30–16:30 | Symposium: Preserving the Meniscus Co-Chairs: Roland Becker, MD, PhD, Prof. GERMANY Christopher D. Harner, MD USA <i>Mustafa Karahan, Prof. TURKEY</i> <i>Peter T. Myers, MBBS, FRACS AUSTRALIA</i> <i>Jean Francois Potel, MD FRANCE</i> |
| 16:00–16:30 | Paper Presentation Block: Paper #180–183: Double Bundle ACL Reconstruction | 16:30–17:00 | Paper Presentation Block: Paper #194–197: ACL Reconstruction |
| 16:30–17:30 | Symposium: The Unhappy TKR Patient Whose X-Ray Looks Fine: Can We Predict, Prevent and Treat Chair: Myles Raphael James Coolican, FRACS AUSTRALIA <i>Francesco Maria Benazzo, MD ITALY</i> <i>Susanne Fuchs-Winkelmann, MD, Assoc. Prof. GERMANY</i> <i>George Macheras, MD, PhD GREECE</i> <i>Willem Mare van der Merwe, MBChB, FCS, SA Ortho SOUTH AFRICA</i> | 17:00–17:30 | Paper Presentation Block: Paper #198–201: ACL Reconstruction |

THURSDAY, JUNE 11, 2015



07:30–09:00 INSTRUCTIONAL COURSE LECTURES (PLEASE SEE PG. 34–43 FOR MORE INFORMATION)

09:00–09:30 BREAK TO VISIT THE EXHIBITS

| CONCURRENT SESSION: FORUM 1 | | CONCURRENT SESSION: FORUM 2 | |
|-----------------------------|--|-----------------------------|---|
| 09:00–13:00 | TREATMENT OF THE ATHLETE <i>Moderator: Allen F. Anderson, MD USA</i> Symposium: Elite Athletes: Managing Injury, Patients & Team Chair: Marc Raymond Safran, MD USA <i>John A. Bergfeld, MD USA</i> <i>Moises Cohen, MD, PhD, Prof. BRAZIL</i> <i>Lars Engebretsen, MD, PhD NORWAY</i> <i>Joao Alves Grangeiro Neto, MD, MS BRAZIL</i> | 09:00–12:00 | SHOULDER <i>Moderator: Daniel Adolfo Slullitel, MD, Prof. ARGENTINA</i> <i>W. Jaap Willems, MD, PhD NETHERLANDS</i> |
| 09:00–10:00 | | 09:00–9:30 | Paper Presentation Block: Paper #210–213: Rotator Cuff |
| 10:00–10:30 | Paper Presentation Block: Paper #202–205: Pediatric ACL Reconstruction | 09:30–10:30 | Symposium: The Throwing Shoulder: Where Are We Now? Chair: Stephen S. Burkhart, MD USA <i>James R. Andrews, MD USA</i> <i>Anthony A. Romeo, MD USA</i> <i>Daniel Adolfo Slullitel, MD, Prof. ARGENTINA</i> <i>Hiroyuki Sugaya, MD JAPAN</i> |
| 10:30–11:00 | Paper Presentation Block: Paper #206–209: The Anterolateral Ligament | 10:30–11:30 | Symposium: Cuff Arthropathy: Indication and Limitation of Reverse Shoulder Arthroplasty Chair: Alessandro Castagna, MD ITALY <i>Ioannis Feroussis, MD GREECE</i> <i>Ludwig Seebauer, MD GERMANY</i> <i>Felipe Toro, MD CHILE</i> <i>W. Jaap Willems, MD, PhD NETHERLANDS</i> |
| 11:00–12:00 | Symposium: Chondral Lesions in Soccer Players Chair: Norimasa Nakamura, MD, PhD JAPAN <i>Ramon Cugat, MD, PhD SPAIN</i> <i>Antonio Maestro, MD, PhD SPAIN</i> <i>Bert R. Mandelbaum, MD, DHL (hon) USA</i> <i>Marc J. Philippon, MD USA</i> | 11:30–12:00 | Paper Presentation Block: Paper #214–217: Rotator Cuff & Shoulder |
| 12:00–13:00 | Symposium: Advances in Ankle Arthroscopy Co-Chairs: James Calder, MD UNITED KINGDOM C. Niek Van Dijk, MD, PhD NETHERLANDS <i>Thomas Bauer, MD FRANCE</i> <i>Stéphane Guillo, MD FRANCE</i> <i>Jordi Vega, MD SWITZERLAND</i> | | |

10TH Biennial

ISAKOS 2015
CONGRESS

JUNE 7–11, 2015 LYON, FRANCE



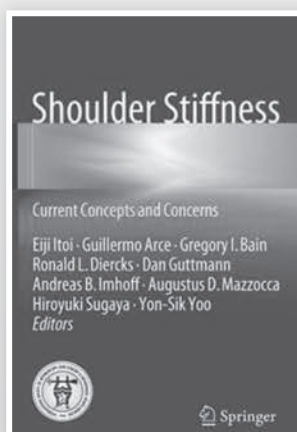
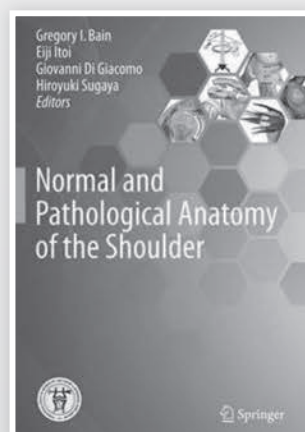
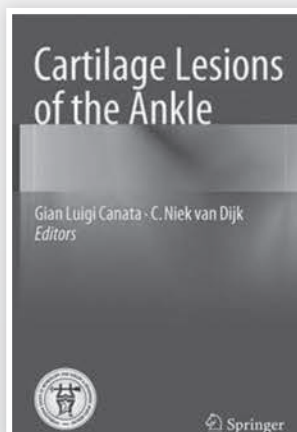
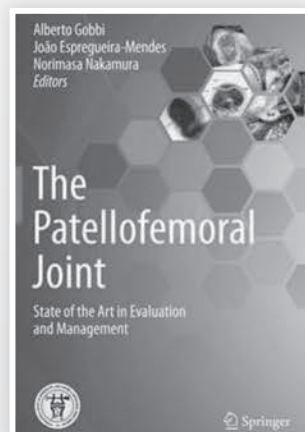
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ISAKOS e-Publications USB Drives are available for Active, Associate and Honorary ISAKOS Members only.

Redeem the e-Pubs USB Ticket at the ISAKOS Backpack Distribution Booth #301 in the Exhibit Hall–Forums 4, 5, 6.

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PROGRAM COMMITTEE + BUSINESS MEETINGS

Special thanks to the 10th Biennial ISAKOS Congress Program Committee

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Stefano Zaffagnini, MD ITALY

Marc R. Safran, MD USA, Past Chair



ISAKOS Business Meetings

ISAKOS Members Only

Business Meeting I

Room: General Session – L'Amphithéâtre

Date & Time: Monday, June 8
09:30–10:10

Please Note: Only ISAKOS Active and Honorary Members have voting privileges

- Recommendation of Candidates to serve on the Nominating Committee
- Recommendation of Candidates to serve as ISAKOS Board of Directors: Members at Large

Online Voting for Nominating Committee and Board of Directors: Members at Large will be available to ISAKOS Active Members from 12:00pm, on Monday, June 8 until 12:00pm on Tuesday, June 9. Please visit www.isakos.com/myISAKOS.

Business Meeting II

Room: General Session – L'Amphithéâtre

Date & Time: Wednesday, June 10
09:30–10:15

Please Note: Only ISAKOS Active and Honorary Members have voting privileges

- Report of the ISAKOS Executive Committee
- Report of the Treasurer
- Nominating Committee Report
- Introduction of 2015–2017 ISAKOS Board of Directors: Executive Committee and Members at Large
- Introduction of the Incoming President

10TH Biennial
ISAKOS
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2015
JUNE 7–11, 2015
LYON, FRANCE



2013–2015 BOARD OF DIRECTORS

2013–2015 BOARD OF DIRECTORS

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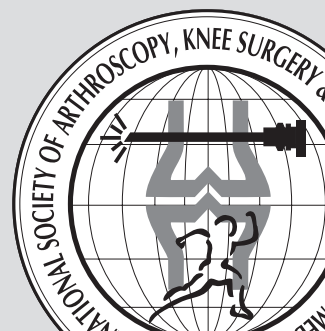
ISAKOS Membership

ISAKOS grants immediate associate membership to all current members of AANA, AOSSM, APOSSM, ESSKA and SLARD. Applicants who are not members of any of the aforementioned partner societies are also encouraged to apply. Annual dues include a mailed subscription and online access to the official ISAKOS Journal, *Arthroscopy: The Journal of Arthroscopic and Related Surgery*.

Benefits of ISAKOS Membership Include:

- Networking opportunities with international colleagues and professionals
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Please complete the member application online at www.isakos.com via myISAKOS or visit the ISAKOS booth located in the Foyer of Forums 4, 5, 6.
Payment is required at the time of application.



HEALING OF THE ACL & GRAFTS—CLINICAL IMPLICATIONS

09:00–10:00

L'Amphithéâtre

Co-Chairs: Freddie H. Fu, MD USA**Christophe H. Hulet, MD, Prof. FRANCE***Peter Uwe Brucker, MD, PhD, MSc GERMANY**James H. Lubowitz, MD USA*

- Basic Science, Ligament Response to Injury and Treatment Options
- Tendon-to-Bone Healing Including Ligamentization and Growth Factors: What Does the Evidence Say?
- ACL Tissue Engineering: Cells, Scaffolds, Growth Factors, Incubators, and Structural Ties
- Objective Outcomes and Why They Are Important

BIOLOGY & BIOMECHANICS: ROTATOR CUFF

10:00–11:00

Forum 1

Co-Chairs: Nahum Rosenberg, MD ISRAEL**Andreas B. Imhoff, MD, Prof. GERMANY***Olivier Courage, MD FRANCE**George A. Murrell, MD, PhD AUSTRALIA**Pietro Randelli, MD, Prof. ITALY**Scott A. Rodeo, MD USA*

- Growth Factors or Biomechanical Factors of Rotator Cuff Repair
- A Clinician Scientists' View on Translation of Rotator Cuff Basic Research to Clinical Care
- Pathogenesis of Rotator Cuff Tendinopathy
- Update on PRP and Stem Cells for Rotator Cuff Repair
- Biomechanics of Abnormal Rotator Cuff
- Acromioplasty in Rotator Cuff Repair

COMPUTER ASSISTED ORTHOPAEDIC SURGERY: CAOS OR CHAOS?

10:15–11:15

Forum 2

Chair: Burt Klos, MD, PhD NETHERLANDS*David Anthony Parker, MBBS, BMedSci, FRACS AUSTRALIA**Andrea Ferretti, MD ITALY**Stephane Plaweski, MD, PhD, Prof. FRANCE**Jean-Yves Jenny, MD FRANCE*

- Use of Computer Navigation in Periarticular Osteotomy of the Knee
- CAOS Application in Isolated and/or Combined Posterolateral Corner Lesions
- CAOS Researches on ACL and ALL Combined Injuries
- CAOS in Knee Arthroplasty, Routine Use or Training Tool?
- Four Generations in ACL Navigation, Cost Efficiency

THE SHAPE OF THE ACL—IMPLICATIONS TO SURGERY

10:45–11:45

L'Amphithéâtre

Co-Chairs: Konsei Shino, MD, PhD JAPAN**Edward M. Wojtys, MD USA***Freddie H. Fu, MD USA**Anastasios D. Georgoulis, MD, Prof. GREECE**Robert Jacek Smigielski, MD POLAND*

- ACL Grafting to Mimic the Native ACL: Patellar Tendon & Hamstring
- The Thickness of the ACL Midsubstance in Relation to PCL and Lateral Femoral Condyle
- The "Ribbon" Concept of ACL Anatomy
- Individualized and Anatomical ACL Reconstruction

REMNANTS PRESERVING ACL RECONSTRUCTION

13:30–14:30

L'Amphithéâtre

Chair: Mitsuo Ochi, MD, PhD, JAPAN*Freddie H. Fu, MD USA**Sung-Jae Kim, MD, PhD FACS KOREA**Rainer Siebold, MD, Prof. GERMANY**Kazunori Yasuda, MD, PhD JAPAN*

- Indications of Remnant Preserving ACL Reconstruction
- Ratio of Preserving ACL Reconstruction ACL to Standard ACL Reconstruction
- Technique
- Clinical Result
- Future Direction of Preserving ACL Reconstruction

PHYSICAL ACTIVITY AFTER KNEE REPLACEMENT

14:00–15:00

Forum 2

Co-Chairs: Mark Clatworthy, FRACS NEW ZEALAND**Hermann Otto Mayr, MD, Prof. GERMANY***Nanne P. Kort, MD, PhD NETHERLANDS**Hiromasa Miura, MD, PhD JAPAN*

- Tibial Bone Remodeling With TKA and Its Clinical Relevance
- Sports Activity With TKA in Patients Older than 60 Years
- Possibilities and Limitations With Unicompartmental Knee Replacement in Patients Less than 60
- Failure Risk Factor of TKA (Japan Arthroplasty Registry)

INNOVATIVE KNOWLEDGE ON ACL BIOMECHANICS

15:30–16:30

L'Amphithéâtre

Co-Chairs: Kazunori Yasuda, MD, PhD JAPAN

Timothy E. Hewett, PhD USA

Andrew A. Amis, FREng, PhD, DSc UNITED KINGDOM

Volker Musahl, MD USA

Evangelos Pappas, PT, PhD, OCS, AUSTRALIA

- Anatomy and Function of the ACL and Lateral Structures in Resisting Tibial Anterior Drawer and Internal Rotation
- Biomechanical and Clinical Evaluation of Rotatory Knee Instability
- ACL Injuries During Cutting Tasks: Common Neuromuscular Deficit Profiles
- Prevention of Primary and Secondary ACL Injuries: A Novel Innovative Approach

EDUCATION IN ARTHROSCOPY AND THE ROLE OF SIMULATORS

15:30–16:30

Forum 3

Co-Chairs: Mustafa Karahan, Prof. TURKEY

C. Niek Van Dijk, MD, PhD NETHERLANDS

Kai-Ming Chan, MBBS, MCH(ORTH), FRCPS(G), FRCS(E)
FRCS.ED(ORTH) HONG KONG

Gabriëlle Tuijthof, MSc, PhD NETHERLANDS

Nikhil N. Verma, MD USA

- Defining Essential Skills and What to Teach
- How to Teach: Concepts of Surgical Skill Teaching and Strategy of Designing a Program
- Skills Transfer to the OR
- Simulators in Surgical Skills Training

DECISION MAKING IN SHOULDER INSTABILITY

16:30–17:30

Forum 1

Co-Chairs: Matthew T. Provencher, MD USA

Guillermo Arce, MD ARGENTINA

Richard L. Angelo, MD USA

Pascal Boileau, MD, Prof. FRANCE

Giovanni Di Giacomo, MD ITALY

Vicente Gutierrez, MD CHILE

- 18-Years Old. Contact Sport. 2 Dislocations. 20% Bone Loss With Fragment
 - I Decide in Advance Based on the Glenoid Track
 - Mom, If We Keep the Fragment, He Will Do Fine
 - From "La Carte," I Will Take the Arthroscopic Latarjet
- 32-Years Old. Tennis. Recurrence After Bankhart Repair. 20% Attritional Bone Loss
 - I Stay Anatomic. Bankart Plus Remplissage
 - Belt and Suspenders Approach. Open Latarjet for All Revisions
 - Better Safe Than Sorry. Bony Bumpers for Failures



MONDAY, JUNE 8, 2015

STATE OF ART IN AC JOINT DISLOCATIONS

11:00–12:00

Forum 1

Chair: Guillermo Arce, MD ARGENTINA

Klaus Bak, MD DENMARK

Benno Egnisman, MD BRAZIL

Augustus D. Mazzocca, MS, MD USA

- Anatomy, Injury Patterns and New Classification Criteria
- Biomechanics and Conservative Treatment: Rehabilitation and Return to Sports
- Surgical Treatment–Acute
- Surgical Treatment–Chronic
- Problem Cases

THE DIFFERENT ASPECTS OF AN ANATOMICAL ACL RECONSTRUCTION

13:30–14:30

L'Amphithéâtre

Co-Chairs: Edward M. Wojtys, MD USA

Manfred Bernard, MD, PhD GERMANY

Giuliano Giorgio Cerulli, MD ITALY

Anastasios D. Georgoulis, MD, Prof. GREECE

Takeshi Muneta, MD, PhD JAPAN

- Anatomical ACL Reconstruction With B-PT-B in Press Fit Technique
- Original All-Inside Technique
- ACL Reconstruction Approaching the Femoral Remnant from Behind
- An Anatomic ACL Reconstruction Restores the Common Game Between ACL & PCL

IN VIVO TKA KINEMATICS: HOW TO DESCRIBE IT, HOW TO USE IT

14:00–15:00

Forum 2

Co-Chairs: *Maurilio Marcacci, MD ITALY*
Stephen M. Howell, MD USA
Philippe Beaufils, MD FRANCE

- Is Functional Flexion (Helical) Axis a Reliable Reference for Femoral Component Positioning?
- Assessing the Epicondylar Axis by Pre-Op CT Scan and Navigation. An Intermediate Step Between Mechanical and Kinematic Positioning in TKR
- Principles, Alignment, Balancing, and Results of Kinematic Alignment: An Option for Total Knee Arthroplasty
- Case Presentations

MEDIAL PATELLOFEMORAL LIGAMENT: ANATOMY, INJURY & RECONSTRUCTION

14:00–15:00

Forum 3

Co-Chairs: *Donald C. Fithian, MD USA*
David Henri Dejour, MD FRANCE
Michael Elias Hantes, Assoc. Prof. GREECE
Philip Bastian Schoettle, MD, PhD, Assoc. Prof. GERMANY

- Anatomy of Patellar (In)Stability
- Surgical Principles of MPFL Reconstruction
- Avoiding and Managing Complications in MPFL Surgery
- Is MPFL Alone Sufficient to Stabilize the Patella?

KNEE LAXITY AND ROTATION MEASUREMENT

15:30–16:30

L'Amphithéâtre

Chair: *Joao Duarte Espregueira-Mendes, MD, PhD PORTUGAL*

Ryosuke Kuroda, MD, PhD JAPAN
Volker Musahl, MD USA
Andrew D. Pearle, MD USA
Romain Seil, MD LUXEMBOURG
Elvire Servien, MD, PhD, Prof. FRANCE

- Stress X-Rays and Radiographic Evaluation
- Laxity Measurement in MRI–Rotation and Translation
- How Can the Pivot Shift Help to Score Your Patient?
- Quantitative Evaluation of the Pivot Shift Using an Electromagnetic Measurement System
- Robotic Sagittal and Rotational Laxity Measurement of ACL Tears
- New Ways to Evaluate Rotational Laxity

BIOLOGIC THERAPIES FOR CARTILAGE

15:30–16:30

Forum 2

Chair: *Johnny Huard, PhD USA*
Adam William Anz, MD USA
Frank Barry, Prof. IRELAND

- Update on the latest Cell Therapy for Cartilage Repair
- Immune-Modulating Therapy for Symptom Management
- Clinical Application in a Sports Medicine Practice

ATHLETIC TEAM PHYSICIAN

15:30–16:30

Forum 3

Chair: *Dean C. Taylor, MD, USA*
Lucio Sergio Rocha Ernlund, MD, MSc, BRAZIL
Mohsen Hussein, PhD, SLOVENIA
Geoffrey Verrall, MBBS FACSP, AUSTRALIA
Roshan Mangaldas Wade, MS Ortho, D Ortho FCPS DNB Ortho, INDIA

THE BICEPS TENDON IN THE YOUNG & ATHLETICALLY ACTIVE PATIENT

15:45–16:45

Forum 1

Chair: *Felix Henry Savoie III, MD USA*

Klaus Bak, MD DENMARK
Eugene Ek, MBBS, PhD, FRACS AUSTRALIA
Michael Thomas Freehill, MD USA
Matthew T. Provencher, MD USA
Anthony A. Romeo, MD USA

- Anatomy, Examination and Imaging of the Biceps
- Tenotomy Technique to Avoid Deformity
- Slap Tears in Non-Overhead Athletes: Repair vs. Tenodesis
- Slap Tears in Overhead Athletes: Repair vs. Tenodesis
- Biceps Injuries in Athletes, Including Tendonitis, Tendonopathy, Subluxation and Partial Tears: What to Do and When
- The Failed Biceps Tenodesis with Pain: What Can be Done?
- Clinical Cases

SHORT ACL GRAFTS SPARE TENDON AND BONE

16:30–17:30

L'Amphithéâtre

Co-Chairs: James H. Lubowitz, MD USA

Stephane Plaweski, MD, PhD, Prof. FRANCE

Michel Collette, MD, BELGIUM

Yasuyuki Ishibashi, MD JAPAN

Hubert Lanternier, MD FRANCE

- Basic Science; Surgical Technique; Tips/Pearls/ Pitfalls/Advantages/Disadvantages; Clinical Results
- Short Graft: Progress or 'Buzz'?
- Remnant Preserving, Double-Bundle, Short Graft ACL
- All Inside-ACL Hybrid EndoTLS



TUESDAY, JUNE 9, 2015

ACL REVISION: EVERYTHING YOU WANTED TO KNOW

10:45–11:45

L'Amphithéâtre

Co-Chairs: Robert G. Marx, MD, MSc, FRCSC USA

Robert A. Arciero, MD USA

Annunziato Amendola, MD USA

Christopher D. Harner, MD USA

Konsei Shino, MD, PhD JAPAN

Stefano Zaffagnini, MD, Prof. ITALY

- Evaluation of Failed ACL: How to Make Sure it Works the Second Time, Graft Choice and Technique
- Tunnel and Hardware Problems: When I Single Stage, When I Bone Graft and Technique
- The Role of Extra-Articular Knee Reconstruction in Revision ACL Surgery
- Management of Collateral Ligament Laxity in ACL Revision
- Role of Osteotomy in ACL Revision

ADVANCES IN ELBOW AND WRIST ARTHROSCOPY IN ATHLETICALLY ACTIVE PATIENTS

11:00–12:00

Forum 1

Co-Chairs: Luigi Adriano Pederzini, MD ITALY

Marc Raymond Safran, MD USA

Gregory Ian Bain, MBBS, FRACS, PhD AUSTRALIA

Christophe Louis Mathoulin, Prof., MD, FMH FRANCE

Felix Henry Savoie III, MD USA

- Epicondylitis
- Stiffness and OCD
- Elbow Arthroscopy–The Future
- Wrist Arthroscopy in Sportsmen
- Wrist Arthroscopy in Professional Athletes

TREATMENT OF MASSIVE ROTATOR CUFF TEARS

13:30–14:30

Forum 1

Co-Chairs: Stephen S. Burkhart, MD USA

Philippe P. Hardy, MD, PhD, Prof. FRANCE

Fernando Enrique Barclay, MD ARGENTINA

Seung-Ho Kim, MD, PhD KOREA

Teruhisa Mihata, MD, PhD JAPAN

- Clinical and Radiological Evaluation of Massive Cuff Tears
- Arthroscopic Repair Indications Technique and Results
- Superior Capsule Reconstruction
- What to Do With a Failed Arthroscopic Repair of a Massive Cuff Tear?
- Clinical Cases

BIOLOGICAL AND NEW CONCEPTS TO TREAT LIGAMENT INJURIES

13:30–14:30

Forum 2

Chair: Francois M. Kelberine, MD FRANCE

Giuliano Giorgio Cerulli, MD ITALY

Chih-Hwa Chen, MD TAIWAN

Mahmut Nedim Doral, MD, Prof. TURKEY

- Improvement of Conservative Treatment of Collateral Ligament Injury
- Preserving of Native ACL and ACL Reconstruction in Early Stage
- Biological Treatment for ACL Injury
- Biological Rationale of Manual Drilling for ACL-R

ADVANCES IN HIP ARTHROSCOPY: HIP CHONDRAL INJURY & ARTHROSCOPIC PROCEDURES

14:00–15:00

Forum 3

Co-Chairs: Marc J. Philippon, MD, USA

Nicolas Bonin, MD FRANCE

Vikas Khanduja, MA, MBBS, MSc, FRCS, FRCS (Orth)
UNITED KINGDOM

Frederic Laude, MD, FRANCE

Richard N. Villar, MA, MS, FRCS UNITED KINGDOM

- Chondral Delamination: Fibrin +/- Fast T Fix
- Chondral Defect: Microfracture
- Chondral Defect: MACI
- Osteochondral Defect in Femoral Head: Mosaicplasty With MIS Approach
- Outcomes Following Hip Arthroscopy for Osteoarthritis

CARTILAGE AND ACL INJURY

14:30–15:30

L'Amphithéâtre

Co-Chairs: Alberto Gobbi, MD ITALY

Chadwick C. Prodromos, MD USA

Mats Brittberg, MD, PhD, Prof. SWEDEN

Maurilio Marcacci, MD ITALY

Norimasa Nakamura, MD, PhD JAPAN

- ACL Primary Repair With Bone Marrow Stimulation and Growth Factors
- An Algorithm for the Treatment of ACL Tears Accompanied by Articular Cartilage Lesions or Arthrosis
- ACL Primary Repair With Bone Marrow Stimulation and Growth Factors
- Future Possibilities of Treatment with Stem Cells
- ACL Reconstruction and Large Cartilage Lesions, One or Two Step Procedures and the Use of Novel Scaffolds

WEDNESDAY, JUNE 10, 2015

MENISCUS SCAFFOLD OR ALLOGRAFTS? WHERE ARE WE IN 2015?

14:00–15:00

L'Amphithéâtre

Co-Chairs: Joao Duarte Espregueira-Mendes, MD
PhD PORTUGAL

Philippe Beaufils, MD FRANCE

Joan Carles Monllau, MD, PhD, Prof. SPAIN

Hélder Miguel Duarte Pereira, MD PORTUGAL

Nicolas Pujol, MD FRANCE

Peter Verdonk, MD QATAR

Stephano Zaffagnini, MD, Prof. ITALY

- Biology and Biomechanics
- Allografts: Technique–How to Limit Extrusion?
- Allografts: Long Term Outcomes
- Scaffolds: Outcomes and Complications
- Meniscectomy vs. Substitution
- Indications and Contraindications in 2015

POSTERIOR SHOULDER INSTABILITY

14:00–15:00

Forum 1

Chair: Pericles P. Papadopoulos, Prof. GREECE

Philippe P. Hardy, MD, PhD, Prof. FRANCE

Christian Gerhardt, MD GERMANY

Kevin P. Shea, MD USA

Hirofumi Sugaya, MD JAPAN

- Evaluation and Diagnosis of Posterior Shoulder Instability
- Arthroscopic Posterior Soft-Tissue Stabilization–Labral Repair, Capsular Shift and RHAGL-Reconstruction
- Posterior Subluxation of the Shoulder in Young Athletes
- Failure of Treatment of Posterior GH Instability–Recurrent MDI and Chronic Pain

KNEE COLLATERAL LIGAMENTS

15:30–16:30

L'Amphithéâtre

Robert F. LaPrade, MD, PhD USA

Marco Kawamura Demange, MD, PhD BRAZIL

Reha N. Tandogan, MD, Prof. TURKEY

Bruce C. Twaddle, Prof., MD, FRACS USA

- Key Anatomy and Diagnosis of Collateral Injuries
- Case Example and Treatment of Acute MCL/Medial Knee Injuries
- Case Example and Treatment of Chronic Lateral Collateral Knee Injuries
- What Are the Outcomes for Medial and Lateral Collateral Injuries?

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PRESERVING THE MENISCUS

15:30–16:30

Forum 3

Co-Chairs: *Roland Becker, MD, PhD, Prof. GERMANY*

Christopher D. Harner, MD USA

Mustafa Karahan, Prof. TURKEY

Peter T. Myers, MBBS, FRACS AUSTRALIA

Jean Francois Potel, MD FRANCE

- Basic Science of Meniscal Healing and Biomechanics
- Indication for Meniscus Repair
- Role of Biological Augmentation in Repair
- Root Tear Indications for Repair and Techniques
- Clinical Outcome After Meniscus Repair

CRITICAL CONCEPTS IN ROTATOR CUFF REPAIR

16:30–17:30

Forum 1

Co-Chairs: *Eiji Itoi, MD, PhD JAPAN*

Felix Henry Savoie III, MD USA

Stephen S. Burkhart, MD USA

Emilio Calvo, MD, PhD, MBA SPAIN

Andreas B. Imhoff, MD, Prof. GERMANY

- Classification of RCT: How to Predict Success or Failure
- Deadman's Angle and Biomechanics of Fixation
- Biomechanics vs. Biology: What is the Perfect Compromise
- Revision RCR: How to Do it Better
- Options and Transfers in Irreparable Tears
- Clinical Cases

THE UNHAPPY TKR PATIENT WHOSE X-RAY LOOKS FINE: CAN WE PREDICT, PREVENT AND TREAT

16:30–17:30

Forum 2

Chair: *Myles Raphael James Coolican, FRACS AUSTRALIA*

Francesco Maria Benazzo, MD, Prof. ITALY

Susanne Fuchs-Winkelmann, MD, Assoc. Prof. GERMANY

George Macheras, MD, PhD. GREECE

Willem Mare van der Merwe, MBChB, FCS, SA Ortho SOUTH AFRICA

- Incidence, Aetiology of the "Well Done but Unhappy TKR." Tools to Measure Patient Satisfaction. Are They Valid, Reliable & Sensitive
- Psychological Factors. Can We Predict Who Will Be Unhappy? Can We Re-Program Them? Metal Allergies
- Function After TKR. How is it Measured and Why Are PDOM/Satisfaction Scores Different to Objective Scores
- Pain After TKR. Who Gets it and Why? Role of Psychological Factors. Can We Predict or Prevent?
- Management—When We Decide Not to Operate and When We're Dealing with the Patient After Surgery. Role of Exercise and Evidence it Helps

THURSDAY, JUNE 11, 2015

ELITE ATHLETES: MANAGING INJURY, PATIENTS & TEAM

09:00–10:00

L'Amphithéâtre

Chair: *Marc Raymond Safran, MD, USA*

John A. Bergfeld, MD USA

Moises Cohen, MD, PhD, Prof. BRAZIL

Lars Engebretsen, MD, PhD NORWAY

Joao Alves Grangeiro Neto, MD, MS BRAZIL

- Managing Injuries in Soccer as a Consultant
- Managing Injuries in NBA, NFL & MLB as a Team Physician
- Managing Injuries at the Olympics—From the IOC Perspective
- Prevention of Injuries—The Brazilian Olympic Team Physician Perspective

THE THROWING SHOULDER: WHERE ARE WE NOW?

09:30–10:30

Forum 1

Chair: *Stephen S. Burkhart, MD USA*

James R. Andrews, MD USA

Anthony A. Romeo, MD USA

Daniel Adolfo Slullitel, MD, Prof. ARGENTINA

Hiroyuki Sugaya, MD JAPAN

- SLAP Lesions and Their Relationship to Pathomechanics: Do We Need a New SLAP Classification System?
- Indications and Technique for SLAP Repair
- Biceps Tenodesis: When Is It Indicated and How Do I Do It?
- When Does the Thrower Need Surgery, and Which Surgery Does He Need?
- Case Presentations

CUFF ARTHROPATHY: INDICATION AND LIMITATION OF REVERSE SHOULDER ARTHROPLASTY

10:30–11:30

Forum 1

Chair: Alessandro Castagna, MD ITALY

Ludwig Seebauer, MD GERMANY

Felipe Toro, MD CHILE

W. Jaap Willems, MD, PhD NETHERLANDS

CHONDRAL LESIONS IN SOCCER PLAYERS

11:00–12:00

L'Amphithéâtre

Chair: Norimasa Nakamura, MD, PhD JAPAN

Ramon Cugat, MD, PhD SPAIN

Antonio Maestro, MD, PhD SPAIN

Bert R. Mandelbaum, MD, DHL (hon) USA

Marc J. Philippon, MD USA

- Epidemiology of Soccer-Associated Chondral Injury and Its Prevention
- Use of Biologics to Treat Chondral Lesions of the Knee
- Soccer-Associated Lesions in the Hip Joint
- Chondral Lesions in Top Players. What Can We Do?

ADVANCES IN ANKLE ARTHROSCOPY

12:00–13:00

L'Amphithéâtre

Co-Chairs: C. Niek Van Dijk, MD, PhD NETHERLANDS

James Calder, MD UNITED KINGDOM

Thomas Bauer, MD FRANCE

Stéphane Guillo, MD FRANCE

Jordi Vega, MD SWITZERLAND

- What's New in the Treatment of Cartilage Injuries—Are Biological Scaffolds the Way Forwards?
- Arthroscopic Brostrum Lateral Ligament Reconstruction
- Arthroscopic Autograft Lateral Ligament Reconstruction
- Arthroscopy—Is There a Role in Ankle Fracture Management?

symposia

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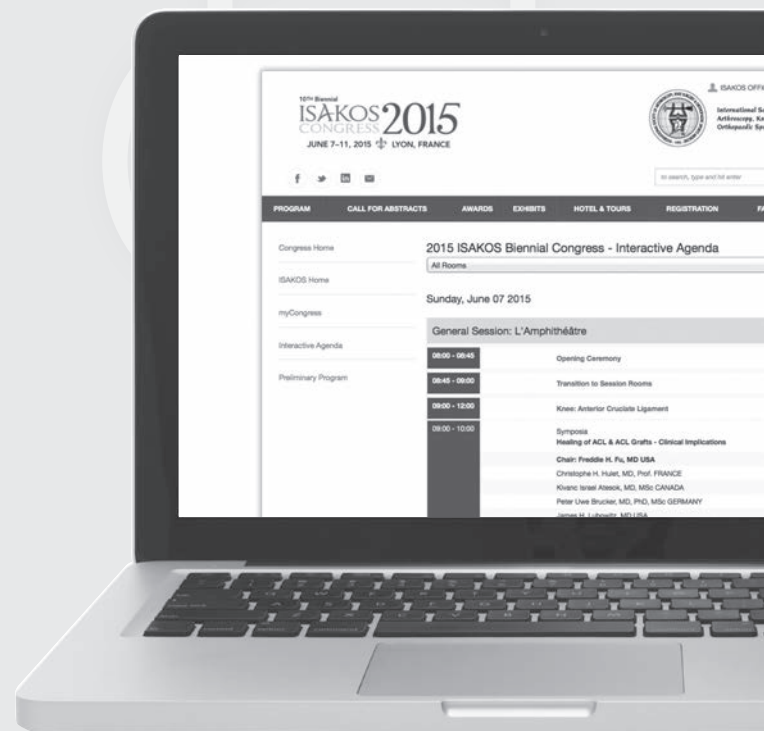
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SUNDAY, JUNE 7, 2015

Novel Technique in Instability Repair

09:00–10:00

Forum 1

This demonstration will discuss the role of suture bridge techniques in arthroscopic stabilization, with particular reference to the management of ALPSA lesions.

Andrew Wallace, MD, PhD UNITED KINGDOM

Easy and Reproducible Method to Achieve Anatomic ACL Repair Results

10:00–10:45

General Session: L'Amphithéâtre

This surgical demonstration will focus on principles of anatomic ACL surgery. Topics to be covered will include surgical anatomy of the cruciate ligament and its variability, specific details of anatomic ACL surgery including tunnel placement and graft fixation, and surgical solutions for revision ACL surgery with previous tunnels. Graft selection for optimal results in anatomical ACL surgery will also be addressed, as well as tunnel placement and graft choice for skeletally immature children with ACL insufficiency.

Darren Lee Johnson, MD USA

Complex Rotator Cuff Repair Technique that Improves Contact Area

14:00–15:00

Forum 1

This demonstration will focus on complex rotator cuff footprint reconstruction using multiple techniques to achieve anatomic healing and repair.

Ian King Yeung Lo, MD CANADA



MONDAY, JUNE 8, 2015

Anterior Talofibular Ligament Repair

11:00–11:45

Forum 2

In this demonstration we describe the Anatomic Percutaneous Ankle Reconstruction of the Lateral Ligaments (Anti RoLL) a new minimally invasive technique not technically demanding and relatively safe.

Mark Glazebrook, MSC, PHD, MD, FRCS(C) CANADA

Hip Arthroscopy: From Access to Repair

13:30–14:30

Forum 1

This comprehensive demonstration will provide insight into the emerging surgical techniques of hip arthroscopy. From access to repair, participants will explore the importance of precise portal placement, joint access for optimal visualization, and innovative labral repair techniques.

Victor M. Ilizaliturri, MD MEXICO

Thomas G. Sampson, MD USA

Simple Technique Using Manual Instruments to Perform Kinetically Aligned TKA

16:30–17:30

Forum 2

A published Level 1 randomized trial, a multicenter study, and a 6-year follow-up study showed that kinetically aligned TKA provides a more normal feeling knee, a more pain free knee with higher patient satisfaction, function, and flexion than mechanically aligned TKA with no evidence of varus loosening of the tibial component. This surgical demonstration shows how to achieve these goals.

Stephen M. Howell, MD USA

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SURGICAL DEMONSTRATIONS (CONT.)

TUESDAY, JUNE 9, 2015

Labral Repair

10:45–11:45

Forum 3

This Surgical Demonstration will emphasize labral reconstruction technique using an ITB graft with the goal of restoring the suction seal of the hip for advanced labral degeneration or deficiency.

Marc J. Philippon, MD USA

Arthroscopic Anatomic ACL Reconstruction

13:30–14:30

General Session: L'Amphithéâtre

This demonstration will focus on tendon harvesting; tibial and femoral tunnel placement and fixation.

Alessandro Lelli, MD ITALY

Reproducible Posterior Meniscal Root Repair Technique

14:30–15:30

Forum 2

This surgical demonstration will provide a comprehensive overview of the nuances and important surgical pearls for the two tunnel transtibial pull-out technique for meniscal root tears.

Robert F. LaPrade, MD, PhD USA



WEDNESDAY, JUNE 10, 2015

Defining the True Anatomy of the ACL Using Evidence Based Science

13:30–14:30

Forum 2

This comprehensive surgical demonstration will provide insight into the anatomy of the ACL, focusing on portals placement for optimal visualization, ACL bundles, insertions and relation with other anatomical structures. Participants will learn detailed ACL anatomy through live demonstration and evidence based information, which is necessary to achieve both anatomical and individualized ACL reconstruction.

Freddie H. Fu, MD USA

Innovative and Effective Solution for Rotator Cuff Repair

15:30–16:30

Forum 1

Modern suture anchor treatment options will be illustrated. This will include proper portal placement, safe suture technique to improve stabilization outcome and rotator cuff repairs.

Alessandro Castagna, MD ITALY

Jeffrey S. Abrams, MD USA

Demistifying the ALL-Evidence Based Approach

16:30–17:30

General Session: L'Amphithéâtre

This session will confirm the existence of the Anterolateral Ligament (ALL), but subsequently explain why its importance is minimal, compared to the ilio-tibial band, which is by far the most important structure controlling internal tibial rotation. The instructors will show how our 'due diligence' approach proves that ALL reconstruction is ineffective and not evidence-based, whilst analyzing the published evidence apparently to the contrary and demonstrate how it is flawed, and present an 'evidence-based' suggestion of optimal lateral surgery to aid in ACL reconstruction.

Andrew A. Amis, FEng, PhD, DSc UNITED KINGDOM

Andy Williams, MBBS, FRCS UNITED KINGDOM

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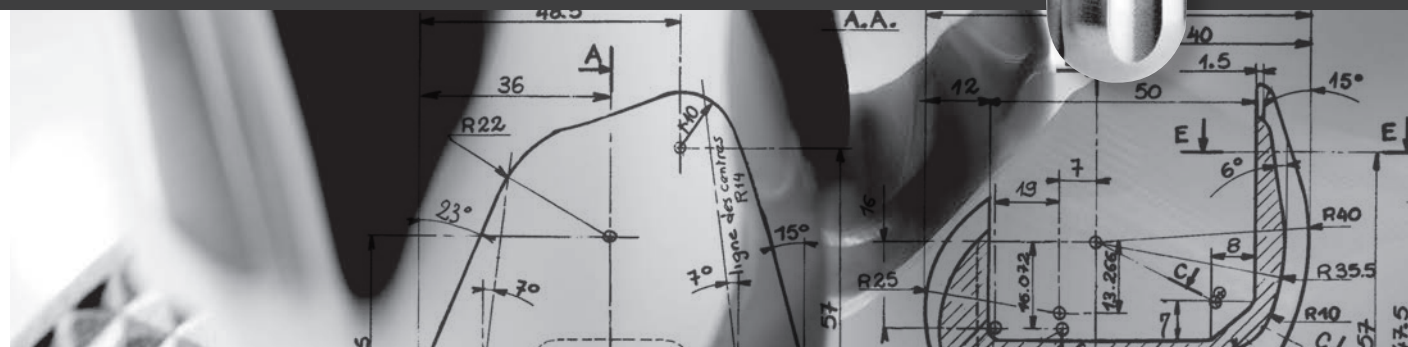
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| | ICL #01 | ICL #02 | ICL #03 | ICL #04 |
| MONDAY, JUNE 8, 2015 | <p>✦ Partner Society ICL: ESSKA Advances in Knee Osteotomy Chair: Matteo Denti, MD ITALY</p> <p>Patrick Djan, MD FRANCE Philipp Lobenhoffer, MD, Prof. GERMANY Dietrich Pape, MD, PhD LUXEMBOURG Romain Seil, MD LUXEMBOURG Ronald J. Van Heerwaarden, MD, PhD NETHERLANDS</p> | <p>How to Avoid Intra-Operative Complications in ACL Reconstruction Chair: Peter T. Myers, MBBS, FRACS AUSTRALIA</p> <p>Mark David Miller, MD USA Sven U. Scheffler, MD, PhD GERMANY Rainer Siebold, MD, Prof. GERMANY Andy Williams, MBBS, FRCS, FRCS (Orth) UNITED KINGDOM</p> | <p>Management of Multi-Ligament Knee Injuries Co-Chairs: Myles Raphael James Coolican, FRACS AUSTRALIA Bruce A. Levy, MD USA Ryosuke Kuroda, MD, PhD JAPAN Scott A. Rodeo, MD USA Daniel Whelan, MD, MSc CANADA</p> | <p>The Painful Total Knee Replacement: A Comprehensive Approach Co-Chairs: Christopher John Vertullo, MBBS, FRACS (Orth), FAOrthA AUSTRALIA Kelly George Vince, MD NEW ZEALAND Michel P. Bonnin, MD FRANCE Arnaldo José Hernandez, MD, PhD BRAZIL Michel Malo, MD, FRCS(c) CANADA</p> |
| | ICL #09 | ICL #10 | ICL #11 | ICL #12 |
| TUESDAY, JUNE 9, 2015 | <p>✦ Partner Society ICL: AOSSM Critical Issues in the Care of the Injured Athlete Chair: Robert A. Arciero, MD USA</p> <p>Robert T. Burks, MD USA Scott D. Gillogly, MD USA Christopher D. Harner, MD USA Peter A. Indelicato, MD USA Christopher C. Kaeding, MD USA Anthony A. Romeo, MD USA Felix Henry Savoie III, MD USA Kurt P. Spindler, MD USA</p> | <p>✦ Partner Society ICL: SLARD Game Changers: Pearls for the Top Five Procedures in Shoulder Arthroscopy Chair: Guillermo Arce, MD ARGENTINA</p> <p>Emilio Calvo, MD, PhD, MBA SPAIN Benno Ejnisman, MD BRAZIL Vicente Gutierrez, MD CHILE Luis Alberto Vargas, MD, PhD USA</p> | <p>Pediatric ACL Reconstruction Co-Chairs: Romain Seil, MD LUXEMBOURG Robert G. Marx, MD, MSc, FRCSC USA Allen F. Anderson, MD USA Franck Pierre Chotel, Prof., MD, PhD FRANCE Justin P. Roe, FRACS, A/Prof. AUSTRALIA</p> | <p>Surgery for Patellofemoral Instability Co-Chairs: Elvire Servien, MD, PhD, Prof. FRANCE Elizabeth A. Arendt, MD USA Julian A. Feller, FRACS AUSTRALIA Christian Fink, Prof., MD AUSTRIA Radu Prejbeanu, MD, PhD ROMANIA</p> |
| | ICL #17 | ICL #18 | ICL #19 | ICL #20 |
| WEDNESDAY, JUNE 10, 2015 | <p>✦ Partner Society ICL: APKASS The Frontline of Cartilage Repair Chair: Chih-Hwa Chen, MD TAIWAN</p> <p>Kai-Ming Chan, MBBS, MCH(ORTH), FRCPS(G), FRCS(E), FRCS.ED(ORTH) HONG KONG Chih-Hung Chang, MD, PhD TAIWAN Myung Chul Lee, MD, PhD, Prof. KOREA Mitsuo Ochi, MD, PhD JAPAN</p> | <p>✦ Partner Society ICL: AANA Multidirectional Shoulder Instability Chair: Jeffrey S. Abrams, MD USA</p> <p>Richard L. Angelo, MD USA Larry D. Field, MD USA Richard K.N. Ryu, MD USA Felix Henry Savoie III, MD USA</p> | <p>The Importance of Surgical Technique in the Outcome of TKR Chair: Parag Kantilal Sancheti, MS (Orth), DNB (Orth), Mch (Orth), FRCS (Ed) INDIA</p> <p>Paolo Adravanti, MD ITALY David Stuart Barrett, MD, FRCS UNITED KINGDOM Nicolaas Cyrillus Budhiparama, MD, FICS INDONESIA René E. Verdonk, MD, PhD BELGIUM</p> | <p>Management of PCL Injuries: An Evidence-Based Approach Co-Chairs: Robert F. LaPrade, MD, PhD USA Ricardo Paula Cury, MD BRAZIL Scott C. Faucett, MD USA Nicholas Kennedy, USA Bruce C. Twaddle, Prof., MD, FRACS USA</p> |
| | ICL #25 | ICL #26 | ICL #27 | ICL #28 |
| THURSDAY, JUNE 11, 2015 | <p>Revision ACL Reconstruction Co-Chairs: Francesco Giron, MD, PhD ITALY Bjorn Engstrom, MD, PhD, Assoc. Prof. SWEDEN Charles H. Brown, Jr., MD USA Julian A. Feller, FRACS AUSTRALIA Wei Lu, MD, PhD, Prof. CHINA Andy Williams, MBBS, FRCS, FRCS (Orth)</p> | <p>Surgery for Isolated Patellofemoral Osteoarthritis Co-Chairs: Shuichi Matsuda, MD, PhD JAPAN David Henri Dejour, MD FRANCE Pieter Jordaen Erasmus, MBChB, MMed SOUTH AFRICA Sébastien Parratte, MD, PhD FRANCE</p> | <p>Osteotomy for Knee Instability Co-Chairs: Mark Clatworthy, FRACS NEW ZEALAND Timothy S. Whitehead, MBBS, FRACS AUSTRALIA Roland P. Jakob, Prof. Emeritus SWITZERLAND Sebastien Lustig, MD, PhD, Prof. FRANCE Frank R. Noyes, MD USA</p> | <p>ACL Re-Injury Risk After Return to Competitive Sports: Predictors and Preventions Co-Chairs: Christopher C. Kaeding, MD USA Per Anders Renström, MD, PhD SWEDEN Magnus Forssblad, MD, PhD, Assoc. Prof. SWEDEN Timothy E. Hewett, PhD USA Erik Witvrouw, PhD, PT QATAR</p> |

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|---|---|---|---|
| ICL #05 | ICL #06 | ICL #07 | ICL #08 |
| Shoulder Instability: An International Perspective Chair: Matthew T. Provencher, MD USA Klaus Bak, MD DENMARK Giuseppe Milano, MD ITALY Fernando Radice, MD CHILE | Acute Ankle Injuries in the Athlete Co-Chairs: James Calder, MD UNITED KINGDOM Robert Jacek Smigielski, MD POLAND Harvinder Singh Bedi, FRACS, MPH AUSTRALIA Gino M.M.J. Kerkhoffs, MD, PhD, Prof. NETHERLANDS Hajo Thermann, PhD, Prof. GERMANY | An Introduction to Hip Arthroscopy Co-Chairs: J.W. Thomas Byrd, MD USA John M. O'Donnell, MBBS, FRACS AUSTRALIA Nicolas Bonin, MD FRANCE Luis Perez-Carro, MD, PhD SPAIN Allston J. Stubbs, MD USA | Elbow Instability in the Athlete Co-Chairs: Gregory Ian Bain, MBBS, FRACS, PhD AUSTRALIA Francois M. Kelberine, MD FRANCE Andrey Korolev, Prof., MD, PhD RUSSIA Hiroyuki Sugaya, MD JAPAN |
| ICL #13 | ICL #14 | ICL #15 | ICL #16 |
| Unicompartamental Knee Replacement Co-Chairs: Sebastien Lustig, MD, PhD, Prof. FRANCE John Bartlett, MD AUSTRALIA Christopher Alexander Dodd, FRCS UNITED KINGDOM Robert A. Magnussen, MD, MPH USA Peter Verdonk, MD, PhD BELGIUM | Anterior Shoulder Instability: Managing the Bone and Soft Tissue Defects Co-Chairs: Eiji Itoi, MD, PhD JAPAN Benno Ejnisman, MD BRAZIL Carina Cohen, MD BRAZIL Giovanni Di Giacomo, MD ITALY Anthony A. Romeo, MD USA | Introduction to Wrist Arthroscopy Co-Chairs: Luigi Adriano Pederzini, MD ITALY Michael R. Redler, MD USA Gregory Ian Bain, MBBS, FRACS, PhD AUSTRALIA Christophe Louis Mathoulin, Prof., MD, FMH FRANCE Gary G. Poehling, MD USA | Surgery for Chronic Ankle Instability Co-Chairs: Thomas Bauer, MD FRANCE Jorge Pablo Batista, MD ARGENTINA Gino M.M.J. Kerkhoffs, MD, PhD, Prof. NETHERLANDS Geoffrey Tymms, MBBS, FRACS AUSTRALIA Jordi Vega, MD SWITZERLAND |
| ICL #21 | ICL #22 | ICL #23 | ICL #24 |
| Results of Different ACL Grafts in Competitive Sports Co-Chairs: Kurt P. Spindler, MD USA Jacques Ménétreay, Prof. SWITZERLAND Jack T. Andrich, MD USA Magnus Forssblad, MD, PhD, Assoc. Prof. SWEDEN Kevin D. Plancher, MD USA Patrick Shu Hang Yung, FRCS(Orth Surgery), FHKCOS, FHKAM, FRCS, MBChB HONG KONG | Ankle Arthroscopy: Indications and Technique Co-Chairs: C. Niek Van Dijk, MD, PhD NETHERLANDS Annunziato Amendola, MD USA Jorge Pablo Batista, MD ARGENTINA Harvinder Singh Bedi, FRACS, MPH AUSTRALIA Stéphane Guillo, MD FRANCE | An Update on Elbow Arthroscopy: A Case-Based Approach Chair: Gary G. Poehling, MD USA Denise Eygendaal, MD, PhD NETHERLANDS Mauricio Largacha, MD COLOMBIA Luigi Adriano Pederzini, MD ITALY Felix Henry Savoie III, MD USA | Management of the Stiff Shoulder Co-Chairs: Ronald L. Diercks, Prof., MD, PhD NETHERLANDS Kevin P. Shea, MD USA Yoshihiro Hagiwara, MD, PhD JAPAN Jo A. Hannafin, MD, PhD USA Yang-Soo Kim, MD, PhD, Prof. KOREA Jih-Yang Ko, MD TAIWAN |
| ICL #29 | ICL #30 | ICL #31 | ICL #32 |
| Osteochondral Lesions of the Talus Co-Chairs: Nobuo Adachi, MD, PhD JAPAN John G. Kennedy, MD, FRCS USA Woo Jin Choi, MD, PhD KOREA Gino M.M.J. Kerkhoffs, MD, PhD, Prof. NETHERLANDS Masato Takao, MD, PhD JAPAN | Innovative Treatment of Cartilage Lesions Chair: Mats Brittberg, MD, PhD, Prof. SWEDEN Andreas H. Gomoll, MD USA Johnny Huard, PhD USA Elizaveta Kon, MD ITALY Khay Yong Saw, MB ChB, MCh Orth, FRCS(Edin) MALAYSIA | Management of Massive Rotator Cuff Tears Chair: Tom Clement Ludvigsen, MD NORWAY Richard L. Angelo, MD USA Marcelo Costa De Oliveira Campos, MD BRAZIL Andrey Korolev, Prof., MD, PhD RUSSIA Yon-Sik Yoo, MD, PhD KOREA | Recalcitrant Tendinopathy: Physiotherapy, Injections or Surgical Intervention? Co-Chairs: Nicola Maffulli, MD, PhD, MS, FRCS(Orth) UNITED KINGDOM John A. Bergfeld, MD USA Jon Karlsson, Prof. SWEDEN Omer Mei-Dan, MD USA Ignacio Muñoz Criado, MD SPAIN Lynn Snyder-Mackler, PT, ScD, FAPTA USA |

INSTRUCTIONAL COURSE LECTURES

MONDAY, JUNE 8, 2015

ICL #01

Forum 1

Partner Society ICL: ESSKA Advances in Knee Osteotomy

Chair: Matteo Denti, MD ITALY

Patrick Djian, MD FRANCE

Philipp Lobenhoffer, MD, Prof. GERMANY

Dietrich Pape, MD, PhD LUXEMBOURG

Romain Seil, MD LUXEMBOURG

Ronald J. Van Heerwaarden, MD, PhD NETHERLANDS

- History of Osteotomy
- Evolution of Indications
- Technical Evolution
- Osteotomy in Complex Knee Instability
- Double Level Osteotomy
- Complications in Knee Osteotomies
- Osteotomy in Complex Deformities

ICL #02

Forum 2

How to Avoid Intra-Operative Complications in ACL Reconstruction

Chair: Peter T. Myers, MBBS, FRACS AUSTRALIA

Mark David Miller, MD USA

Sven U. Scheffler, MD, PhD GERMANY

Rainer Siebold, MD, Prof. GERMANY

*Andy Williams, MBBS, FRCS, FRCS (Orth)
UNITED KINGDOM*

- Set Up and Graft Harvest Complications—Hamstrings
- Patient Selection and Graft Harvest Complications—Patellar Tendon
- Femoral Clearance and Tunnel Placement
- Tibial Clearance and Tunnel Placement
- Fixation and Tensioning and Early Post-Operative Care

ICL #03

Forum 3

Management of Multi-Ligament Knee Injuries

**Co-Chairs: Myles Raphael James Coolican, FRACS
AUSTRALIA**

Bruce A. Levy, MD USA

Ryosuke Kuroda, MD, PhD JAPAN

Scott A. Rodeo, MD USA

Daniel Whelan, MD, MSc CANADA

- Initial Assessment, Investigation and Preoperative Planning
- Acute ACL/PCL/PLC
- Late Presentation and Revision for Failed Primary Including Role of Osteotomy, Meniscal Allograft, and MACI
- Rehabilitation, Results, Long Term Outcome Data

ICL #04

Salon Prestige Gratte Ciel

The Painful Total Knee Replacement: A Comprehensive Approach

**Co-Chairs: Christopher John Vertullo, MBBS, FRACS
(Orth), FAOrthA AUSTRALIA**

Kelly George Vince, MD NEW ZEALAND

Michel P. Bonnin, MD FRANCE

Arnaldo José Hernandez, MD, PhD BRAZIL

Michel Malo, MD, FRCS(c) CANADA

- Case-Based Presentations & Discussion on the Painful Total Knee Replacement

ICL #05

Auditorium Pasteur

Shoulder Instability: An International Perspective

Chair: Matthew T. Provencher, MD USA

Klaus Bak, MD DENMARK

Giuseppe Milano, MD ITALY

Fernando Radice, MD CHILE

- What I Have Learned About Glenoid Bone Defects—How to Recognize and Treat
- How to Treat the Multidirectional Shoulder Instability Patient—Arthroscopic and Open Techniques
- Posterior Instability of the Shoulder: More Common Than You Think
- The Failed Instability Repair: What to do Now?
- Case Presentations

ICL #06

Salon Pasteur

Acute Ankle Injuries in the Athlete

Co-Chairs: James Calder, MD UNITED KINGDOM

Robert Jacek Smigielski, MD POLAND

Harvinder Singh Bedi, FRACS, MPH AUSTRALIA

Gino M.M.J. Kerkhoffs, MD, PhD, Prof. NETHERLANDS

Hajo Thermann, PhD, Prof. GERMANY

- Acute Syndesmosis Injuries—Time to Re-Classify?
- Acute Lateral Ligament Injuries—Evidence for Early Reconstruction in the Athlete
- Should All Acute Injuries Undergo Arthroscopy?
- Role for Early Weight Bearing and Optimal Rehabilitation Following Lateral Ligament Reconstruction
- Injury to the Medial Deltoid—When Does it Need Repair?

ICL #07

Rhône 3

An Introduction to Hip Arthroscopy

Co-Chairs: J.W. Thomas Byrd, MD USA

John M. O'Donnell, MBBS, FRACS AUSTRALIA

Nicolas Bonin, MD FRANCE

Luis Perez-Carro, MD, PhD SPAIN

Allston J. Stubbs, MD USA

- Clinical Assessment: Picking the Right Patient for a Successful Procedure
- Access & Arthroscopic Anatomy: How to Overcome the Learning Curve
- FAI: It's the Most Common Problem We Encounter
- Extra-Articular Disorders: There Are Lots of Comcomitant Problems
- Common Complications and, More Importantly, How to Avoid Them

ICL #08

L'Amphithéâtre

Elbow Instability in the Athlete

Co-Chairs: Gregory Ian Bain, MBBS, FRACS, PhD AUSTRALIA

Francois M. Kelberine, MD FRANCE

Andrey Korolev, Prof., MD, PhD RUSSIA

Hiroyuki Sugaya, MD JAPAN

- Acute Dislocation and Return to Sport
- Lateral Instability
- Medial Instability
- Coronoid Fractures and Complex Instability

INSTRUCTIONAL COURSE LECTURES

TUESDAY, JUNE 9, 2015

ICL #09

Forum 1

Partner Society ICL: AOSSM Critical Issues in the Care of the Injured Athlete

Chair: Robert A. Arciero, MD USA

James R. Andrews, MD USA

Robert T. Burks, MD USA

Scott D. Gillogly, MD USA

Christopher D. Harner, MD USA

Peter A. Indelicato, MD USA

Christopher C. Kaeding, MD USA

Anthony A. Romeo, MD USA

Felix Henry Savoie III, MD USA

Kurt P. Spindler, MD USA

- ACL Graft Choice in the Elite Athlete & When to Let Them Return to Sports?
- Update on MOON Outcomes ACL Study
- Update on Cartilage Repair of the Knee in Athletes: Can They Return to Sports? Should They Return to Sports?
- Operative Treatment of Recurrent Anterior Instability in the Athlete and When I Let Them Return to Sports

ICL #10

Forum 2

Partner Society ICL: SLARD Game Changers: Pearls for the Top Five Procedures in Shoulder Arthroscopy

Chair: Guillermo Arce, MD ARGENTINA

Emilio Calvo, MD, PhD, MBA SPAIN

Benno Ejnisman, MD BRAZIL

Vicente Gutierrez, MD CHILE

Luis Alberto Vargas, MD, PhD USA

- Introduction of SLARD
- Arthroscopic Bankart and Remplissage
- Arthroscopic Latarjet
- What's New For Rotator Cuff Repair?
- Biceps Tenodesis
- Arthroscopic AC Joint Reconstruction and Suprascapular Nerve Release

ICL #11

Forum 3

Pediatric ACL Reconstruction

Co-Chairs: Romain Seil, MD LUXEMBOURG

Robert G. Marx, MD, MSc, FRCSC USA

Allen F. Anderson, MD USA

Franck Pierre Chotel, Prof., MD, PhD FRANCE

Justin P. Roe, FRACS, A/Prof. AUSTRALIA

- Treating the Skeletally Immature Individually: Is There a Place to Delay Reconstructive Surgery?
- The Risks of Non-Operative Treatment, Basic Science of Physeal Response to Injury and the Rationale for Different Procedures at Different Stages of Maturity
- Pediatric ACL Reconstruction in Children Using Living Donor Hamstring Tendon Allografts
- The Specific Anatomy and Risk of Complications
- Deformity After Pediatric ACL Reconstruction

ICL #12

Salon Prestige Gratte Ciel

Surgery for Patellofemoral Instability

Co-Chairs: Elvire Servien, MD, PhD, Prof. FRANCE

Elizabeth A. Arendt, MD USA

Julian A. Feller, FRACS AUSTRALIA

Christian Fink, Prof., MD AUSTRIA

Radu Prejbeanu, MD, PhD ROMANIA

- MPFL Reconstruction With Open Physis: Options?
- Patella Instability With Patella Alta: When to Do Distalization?
- MPFL Reconstructions: Complications and How to Manage These
- Tibial Tubercle Osteotomies: Complications and How to Manage These
- Special Issues in Kids—Patella Alta, Genu Valgum

ICL #13

Auditorium Pasteur

Unicompartmental Knee Replacement

Co-Chairs: Sebastien Lustig, MD, PhD, Prof. FRANCE
John Bartlett, MD AUSTRALIA

Christopher Alexander Dodd, FRCS UNITED KINGDOM

Robert A. Magnussen, MD, MPH USA

Peter Verdonk, MD, PhD BELGIUM

- Indications and Patient Selection
- Surgical Technique
- Lateral UKA: Why is it Different?
- Should UKA Prosthesis Selection be Based on National Registry Figures?

ICL #14

Salon Pasteur

Anterior Shoulder Instability: Managing the Bone and Soft Tissue Defects

Co-Chairs: Eiji Itoi, MD, PhD JAPAN

Benno Ejnisman, MD BRAZIL

Carina Cohen, MD BRAZIL

Giovanni Di Giacomo, MD ITALY

Anthony A. Romeo, MD USA

- How to Assess Soft Tissue Lesions
- How to Treat Soft Tissue Lesions
- How to Assess Bony Defects
- How to Treat Bony Defects
- Outcomes for Shoulder Instability

ICL #15

Rhône 3

Introduction to Wrist Arthroscopy

Co-Chairs: Luigi Adriano Pederzini, MD ITALY

Michael R. Redler, MD USA

Gregory Ian Bain, MBBS, FRACS, PhD AUSTRALIA

Christophe Louis Mathoulin, Prof., MD, FMH FRANCE

Gary G. Poehling, MD USA

- Set Up and Portals
- TFCC 1 b Lesion Repair
- TFCC Repair
- Wrist Arthroscopy in Instability
- Wrist Arthroscopy: Evolving to Advanced Techniques

ICL #16

L'Amphithéâtre

Surgery for Chronic Ankle Instability

Co-Chairs: Thomas Bauer, MD FRANCE

Jorge Pablo Batista, MD ARGENTINA

Gino M.M.J. Kerkhoffs, MD, PhD, Prof. NETHERLANDS

Geoffrey Tymms, MBBS, FRACS AUSTRALIA

Jordi Vega, MD SWITZERLAND

- Definitions
- Evolutions in Surgical Techniques for Lateral Ligament Repair
- Evolutions in Surgical Techniques for Lateral Ligament Reconstruction
- Surgery for Chronic Ankle Instability: How to Choose?
- Surgery for Chronic Ankle Instability: What Can We Expect as a Result?
- Place of Arthroscopy in Chronic Ankle Instability

10TH Biennial

ISAKOS 2015
 CONGRESS

JUNE 7–11, 2015 LYON, FRANCE

INSTRUCTIONAL COURSE LECTURES

WEDNESDAY, JUNE 10, 2015

ICL #17

Forum 1

Partner Society ICL: APKASS The Frontline of Cartilage Repair

Chair: Chih-Hwa Chen, MD TAIWAN

*Kai-Ming Chan, MBBS, MCH(ORTH), FRCPS(G), FRCS(E),
FRCS.ED(ORTH) HONG KONG*

Chih-Hung Chang, MD, PhD TAIWAN

Myung Chul Lee, MD, PhD, Prof. KOREA

Mitsuo Ochi, MD, PhD JAPAN

- Cartilage Repair Using Magnet
- Intra-Articular Injection of Cells
- Matrix Effect on Chondrogenesis: Implication on Cartilage Repair
- How Can We Project the Novelty of Focal Cartilage Repair to Generalize OA

ICL #18

Forum 2

Partner Society ICL: AANA Multidirectional Shoulder Instability

Chair: Jeffrey S. Abrams, MD USA

Richard L. Angelo, MD USA

Larry D. Field, MD USA

Richard K.N. Ryu, MD USA

Felix Henry Savoie III, MD USA

- What is Laxity, Ehlers–Danlos and Multidirectional Instability and How We Can Make the Diagnosis?
- Success of Rehabilitation and Nonoperative Management in Athletes With MDI?
- Arthroscopic Capsular Plication: How to Get A Balanced Repair in Patients With MDI
- Capsular Augmentation With Gallie Procedure and Rotator Interval Treatment
- Is There a Role For Open Repair In Patients With MDI
- Case Presentations

ICL #19

Forum 3

The Importance of Surgical Technique in the Outcome of TKR

**Chair: Parag Kantilal Sancheti, MS (Orth), DNB (Orth),
Mch (Orth), FRCS (Ed) INDIA**

Paolo Adravanti, MD ITALY

David Stuart Barrett, MD, FRCS UNITED KINGDOM

Nicolaas Cyrillus Budhiparama, MD, FICS INDONESIA

René E. Verdonk, MD, PhD BELGIUM

- Principles of Total Knee Replacement and Long Term Results of TKR
- Patient Selection and Implant Choices in TKR with Reference to Long Term Outcomes
- Gap Balancing vs. Measuring Resection Techniques for TKR: With Specific Reference to Final Outcome
- What Can Go Wrong in Surgical Techniques
- Case Presentation

ICL #20

Salon Prestige Gratte Ciel

Management of PCL Injuries: An Evidence-Based Approach

Co-Chairs: Robert F. LaPrade, MD, PhD USA

Ricardo Paula Cury, MD BRAZIL

Scott C. Faucett, MD USA

Nicholas Kennedy, USA

Bruce C. Twaddle, Prof., MD, FRACS USA

- Recent Updates in Anatomy and Biomechanics– What is the Evidence?
- Case Review–Workup and Treatment of an Acute Combined PCL Injury and Review of Evidence
- Case Review–Workup and Treatment of a Chronic Combined PCL Injury and Review of Evidence
- Case Review–Single Bundle PCL Reconstructions: Are They the Way to Go or Has Their Time Passed?
- Case Review–Double Bundle PCL Reconstructions are Easy and the Future is Now

ICL #21

Auditorium Pasteur

Results of Different ACL Grafts in Competitive Sports

Co-Chairs: Kurt P. Spindler, MD USA

Jacques Ménétrey, Prof. SWITZERLAND

Jack T. Andrish, MD USA

Magnus Forssblad, MD, PhD, Assoc. Prof. SWEDEN

Kevin D. Plancher, MD USA

Patrick Shu Hang Yung, FRCS(Orth Surgery), FHKCOS, FHKAM, FRCS, MBChB HONG KONG

- Moon RTP Soccer and Football
- Swedish Registry Graft Choice in Athletes
- Graft Choice in Skiing and Competitive Athletes
- Case Presentations

ICL #22

Salon Pasteur

Ankle Arthroscopy: Indications and Technique

Co-Chairs: C. Niek Van Dijk, MD, PhD NETHERLANDS
Annunziato Amendola, MD USA

Jorge Pablo Batista, MD ARGENTINA

Harvinder Singh Bedi, FRACS, MPH AUSTRALIA

Stéphane Guillo, MD FRANCE

- Osteochondral Defects
- Cam and Pincer Ankle Impingement
- Arthroscopic Treatment of Ankle Instability
- Expanded Indications for Posterior Ankle Arthroscopy
- Ankle and Subtalar Arthrodesis

ICL #23

Rhône 3

An Update on Elbow Arthroscopy: A Case-Based Approach

Chair: Gary G. Poehling, MD USA

Denise Eygendaal, MD, PhD NETHERLANDS

Mauricio Largacha, MD COLOMBIA

Luigi Adriano Pederzini, MD ITALY

Felix Henry Savoie III, MD USA

- Case-Based Discussion of the Latest Techniques and Pearls Related to Elbow Arthroscopy

ICL #24

L'Amphithéâtre

Management of the Stiff Shoulder

Co-Chairs: Ronald L. Diercks, Prof., MD, PhD
NETHERLANDS

Kevin P. Shea, MD USA

Yoshihiro Hagiwara, MD, PhD JAPAN

Jo A. Hannafin, MD, PhD USA

Yang-Soo Kim, MD, PhD, Prof. KOREA

Jih-Yang Ko, MD TAIWAN

- The ISAKOS Upper Extremity Committee Consensus on Frozen Shoulder
- Histologic Findings as They Relate to the Stages of Frozen Shoulder
- Prognostic Factors for the Nonoperative Treatment of Stiff Shoulder
- Arthroscopic Capsular Release for Shoulder Stiffness: Techniques and Possibilities
- The Management of Stiff Shoulder With Rotator Cuff Lesions
- Postoperative Stiffness

INSTRUCTIONAL COURSE LECTURES

THURSDAY, JUNE 11, 2015

ICL #25

Forum 1

Revision ACL Reconstruction

Co-Chairs: *Francesco Giron, MD, PhD ITALY*
Bjorn Engstrom, MD, PhD, Assoc. Prof. SWEDEN
Charles H. Brown, Jr., MD USA
Julian A. Feller, FRACS AUSTRALIA
Wei Lu, MD, PhD, Prof. CHINA
Andy Williams, MBBS, FRCS, FRCS (Orth)

- Preoperative Planning—Objective Evaluation, Imaging, Skin Incisions, Hardware Removal
- Graft & Fixation
- Single vs. Staged Procedure
- Tibial Tunnel Management
- Femoral Tunnel Management
- Associated Lesions: To Treat or Not to Treat?

ICL #26

Forum 2

Surgery for Isolated Patellofemoral Osteoarthritis

Co-Chairs: *Shuichi Matsuda, MD, PhD JAPAN*
David Henri Dejour, MD FRANCE
Pieter Jordaen Erasmus, MBChB, MMed SOUTH AFRICA
Sébastien Parratte, MD, PhD FRANCE

- Overview of Treatment for Patellofemoral Osteoarthritis
- Realignment and Facetectomy
- Patellofemoral Arthroplasty, Indication, Surgical Technique and Results
- The Anterior Femoral Cut has a Three Dimensional Effect on the Orientation of the Femoral Component in PFA

ICL #27

Forum 3

Osteotomy for Knee Instability

Co-Chairs: *Mark Clatworthy, FRACS NEW ZEALAND*
Timothy S. Whitehead, MBBS, FRACS AUSTRALIA
Roland P. Jakob, Prof. Emeritus SWITZERLAND
Sebastien Lustig, MD, PhD, Prof. FRANCE
Frank R. Noyes, MD USA

- Anatomy of the Proximal Tibia and Its Relationship to Tibial Slope
- Osteotomy for ACL Instability
- Osteotomy for PCL Instability
- Osteotomy for Posterolateral Knee Instability
- Osteotomy for Medial Collateral Ligament Instability and Valgus Malalignment

ICL #28

Salon Prestige Gratte Ciel

ACL Re-Injury Risk After Return to Competitive Sports: Predictors and Preventions

Co-Chairs: *Christopher C. Kaeding, MD USA*
Per Anders Renström, MD, PhD SWEDEN
Magnus Forssblad, MD, PhD, Assoc. Prof. SWEDEN
Timothy E. Hewett, PhD USA
Erik Witvrouw, PhD, PT QATAR

- ACL Re-Tear With Different Grafts After Return to Sport
- Time to Failure of ACLR Grafts
- Cutting 1st and 2nd ACL Injury Risk With Sharper Tools
- Are Strength and Cartilage Parameters Important for a Safe Return to Sport? Debunking Some ACL Myths

ICL #29

Auditorium Pasteur

Osteochondral Lesions of the Talus

Co-Chairs: Nobuo Adachi, MD, PhD JAPAN

John G. Kennedy, MD, FRCS USA

Woo Jin Choi, MD, PhD KOREA

Gino M.M.J. Kerkhoffs, MD, PhD, Prof. NETHERLANDS

Masato Takao, MD, PhD JAPAN

- Diagnosis and Imaging of OLT – Where Are We Today?
- Microfracture – When It Works and When It Doesn't!
- Larger Lesions – When Should We Replace?
- Arthroscopic LDFF – A New Option in the Algorithm!
- OLT and Concomitant Instability – How Should It Be Dealt With?
- Case Discussions

ICL #30

Salon Pasteur

Innovative Treatment of Cartilage Lesions

Chair: Mats Brittberg, MD, PhD, Prof. SWEDEN

Andreas H. Gomoll, MD USA

Johnny Huard, PhD USA

Elizaveta Kon, MD ITALY

Khay Yong Saw, MB ChB, MCh Orth, FRCS(Edin) MALAYSIA

- Adult Stem Cell Mediated Articular Cartilage Repair After Injury, Disease and Aging
- Future Cartilage Repair. Cells, Matrices and Economy
- Chondrogenesis With Stem Cells
- Novelties in the Use of Scaffolds for Cartilage Repair
- Biological Options in OA: Treatment of Large, Degenerative Cartilage Lesions

ICL #31

Rhône 3

Management of Massive Rotator Cuff Tears

Chair: Tom Clement Ludvigsen, MD NORWAY

Richard L. Angelo, MD USA

Marcelo Costa De Oliveira Campos, MD BRAZIL

Andrey Korolev, Prof., MD, PhD RUSSIA

Yon-Sik Yoo, MD, PhD KOREA

- Repair of Massive Rotator Cuff Tears. Surgical Strategy and Means of Fixation, Single or Double Row Sutures. What Can we Achieve?
- Tendon Transfers. Indications and Surgical Techniques for Latissimus Dorsi and Pectoralis Major Transfers
- When Not to Repair? Subacromial Decompression, Debridement, Biceps Tenotomy, Balloon-Implantation or Non-Operative Treatment, Indications and Results
- Is There an Indication for Arthroplasty? Reverse- or Hemi-Arthroplasty?

ICL #32

L'Amphithéâtre

Recalcitrant Tendinopathy: Physiotherapy, Injections or Surgical Intervention?

Co-Chairs: Nicola Maffulli, MD, PhD, MS, FRCS(Orth) UNITED KINGDOM

John A. Bergfeld, MD USA

Jon Karlsson, Prof. SWEDEN

Omer Mei-Dan, MD USA

Ignacio Muñoz Criado, MD SPAIN

Lynn Snyder-Mackler, PT, ScD, FAPTA USA

LUNCH TIME BREAKOUT SESSIONS

SUNDAY, JUNE 7, 2015

Treating Hip Labral Repairs Utilizing the Newest Technologies and Techniques

Gratte-Ciel 1–2–3

Sponsored by: ConMed

Femi Ayeni, MD, MSc, FRCSC CANADA
Carlomagno Cardenas-Nylander, MD SPAIN
Sion Glyn-Jones, Prof., MA, MBBS, MRCS FRCS
(Trauma & Ortho), DPhil UNITED KINGDOM
Victor M. Ilizaliturri, MD MEXICO
John M. O'Donnell, MBBS, FRACS AUSTRALIA
Thomas G. Sampson, MD USA
Thomas H. Wuerz, MD, MSc USA

Following a short demonstration by the faculty, participants will have the opportunity to *learn from an expert* during a hands-on arthroscopy model workshop.

Save the Meniscus

Forum 2–Concurrent Session

Sponsored by: Smith & Nephew

Moderator: Charles H. Brown, Jr., MD USA
Hua Feng, MD CHINA
Robert F. LaPrade, MD, PhD USA
Magdiel Mayol, MD PUERTO RICO
Frank R. Noyes, MD USA
Sachin Ramchandra Tapasvi, MBBS, MS, DNB INDIA
James Robinson, MBBS MRCS FRCS(Orth) MS
UNITED KINGDOM
Rainer Siebold, MD, Prof. GERMANY
Peter Verdonk, MD, PhD BELGIUM

The session is aimed at providing the practicing orthopaedic surgeons with information on current concepts in meniscal repair and demonstrating surgical techniques that will encourage them to take on more repairs and improve their results.

MONDAY, JUNE 8, 2015

J. of Arthroscopy Review Course

Auditorium Pasteur

Sponsored by: J. of Arthroscopy

Introductory comments by ISAKOS Scientific Committee Representative, Norimasa Nakamura MD, PhD JAPAN
James H. Lubowitz, MD USA
Matthew T. Provencher, MD USA
Gary G. Poehling, MD USA
Giuseppe Milano, MD ITALY
Shinichi Yoshiya, MD JAPAN

The editors of *Arthroscopy: The Journal of Arthroscopic and Related Surgery* will host a course for ISAKOS Congress attendees who are interested in reviewing and/or writing articles for journal publication. Information on the reviewing process, and manuscript structure and preparation will be provided, along with reviewer objectives and responsibilities. Attendees will be provided with a flash drive containing the course and other valuable supplemental materials.

Advances in Anatomic Rotator Cuff Repair

Salon Pasteur

Sponsored by: Smith & Nephew

Ian King Yeung Lo, MD CANADA
Hiroyuki Sugaya, MD JAPAN
Felix Henry Savoie III, MD USA
Nikhil Verma, MD USA

Learn when and how to perform various rotator cuff repairs; from Suprascapularis Nerve Release to Double Row Repair.

Cutting Edge Technologies in Opening Wedge Tibial Osteotomy and Combined ACL Reconstruction

Grand Salon Prestige Gratte Ciel

Sponsored by: Newclip Technics

Gérard Deschamps, MD FRANCE
Patrick Djian, MD FRANCE
Jean-Marie Fayard, MD FRANCE
Sébastien Parratte, PhD FRANCE
James Robinson, MD UNITED KINGDOM
Sébastien Tomez, MD
Adrian Wilson, MD UNITED KINGDOM

Newclip Technics is a French manufacturer of innovative osteosynthesis systems, pioneer in solutions for the correction of misalignment of the lower limb. Our state of the art new generation of HTO plating system features ease of implantation and reduced patient pain feeling with superior mechanical properties. You will experiment as well the first and only implant specifically designed to allow the combination of HTO & ACL Reconstruction in the same surgical procedure.

Latest Technological Advances and Developments in Hip Arthroscopy

Tete d'Or

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Christoph Georg Gebhart, MD AUSTRIA

Lecture on the use of small anchors and Pivot products for hip arthroscopy and labral repair, followed by a workshop on Pivot anchors.

Specials in ACL/PCL Surgery

Salon Tete d'Or

Sponsored by: Richard Wolf

Roland Becker, MD, PhD, Prof. GERMANY

Jürgen Höher, Prof. GERMANY

Tobias Jung, MD GERMANY

This Lunch Time Session will focus on ACL and PCL Surgery, including anatomic ACL reconstruction with ST-tendon using anatomic oval femoral bone tunnels; ACL reconstruction using Quadriceps graft in implant free Press-fit technique, and PCL reconstruction using T-Lock fixation.

Improved Efficiencies in Treating Common Knee Pathology

Gratte-Ciel 1-2-3

Sponsored by: ConMed

Pablo E. Gelber, MD, PhD SPAIN

Joan Carles Monllau, MD, PhD, Prof. SPAIN

Xavier Pelfort, MD SPAIN

Laurie Anne Hiemstra, MD, PhD, FRCSC CANADA

Fernando Radice, MD CHILE

Daniel Whelan, MD, MSc CANADA

Following a short presentation and demonstration by the faculty, participants will have the opportunity to learn from an expert how to approach an Anatomic and Simplified ACL Reconstruction, Faster Meniscal Repairs, and a Novel Approach to MPFL Reconstruction.

TUESDAY, JUNE 9, 2015

Evidence Based Tendinopathy Treatment

Auditorium Pasteur

Sponsored by: Biomet

Miguel Angel Ruiz Iban, MD, PhD SPAIN

Joseph Alsousou, MD, LMSSA, MRCS

UNITED KINGDOM

Henrique Jones, MD, PORTUGAL

This lunch symposium will feature expert lectures on Underlying Biology and Metabolic Changes, an overview of the literature related to the treatment of tendinopathy and clinical experience in elite athletes.

The Arthroscopic Hip Case: Current Techniques & Tips

Salon Pasteur

Sponsored by: Smith & Nephew

Nicolas Bonin, MD FRANCE

J.W. Thomas Byrd, MD USA

John M. O'Donnell, MBBS, FRACS AUSTRALIA

Allston J. Stubbs, MD USA

An international panel of surgeons will discuss and present cases on arthroscopic hip techniques for management of FAI, labrum, and capsule.

The Original TLS Short Graft ACL Reconstruction

Grand Salon Prestige Gratte Ciel

Sponsored by: FH Orthopaedics

Michel Collette, MD BELGIUM

Xavier Cassard, MD FRANCE

Scott D. Gillogly, MD USA

Xavier Clement, MD FRANCE

Hubert Lanternier, MD FRANCE

Thierry De Polignac, MD FRANCE

Henri Emile Robert, MD FRANCE

This lunch time session will focus on the 12 years experience in ST4 All inside Anterior and Posterior cruciate ligament reconstruction technique. Concepts, surgical technique and clinical experience will be reviewed with experienced users and designer's team.

HLS Système

Rhône 3

Sponsored by: Tornier

Philippe Noel Neyret, MD, PhD FRANCE

David Henri Dejour, MD FRANCE

Michel P. Bonnin, MD FRANCE

Olivier Courage, MD FRANCE

This lunch time session will include the presentation of our HLS technique in theory and practice on Sawbones.

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LUNCH TIME BREAKOUT SESSIONS

TUESDAY, JUNE 9, 2015 (CONT.)

Innovative Arthroscopic Concepts for Cartilage Repair with Chondro-Gide

Tete d'Or

Sponsored by: Geistlich Pharma AG

Chair: Matthias Steinwachs, MD, SWITZERLAND

Andrea Fontana, MD ITALY

Justus Gille, PhD GERMANY

Tomasz Piontek, PhD POLAND

- Long-Term Clinical Outcome of AMIC in the Knee
- All Arthroscopic AMIC in the Knee: A New Bridge Over Troubled Waters
- Multi Patch Technique for AMIC in the Knee
- Technique and Clinical Results of AMIC in the Hip

The Unstable Shoulder: Addressing Instability with the Latest Techniques and Technologies

Gratte-Ciel 1–2–3

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Alessandro Castagna, MD ITALY

Raul Barco MD, SPAIN

Nick Jansen, MD BELGIUM

Ford Qureshi, UNITED KINGDOM

Gonzalo Gomez, MD ARGENTINA

Mark Haber, MBBS, FRACS AUSTRALIA

Daniel Biggs, MD AUSTRALIA

Following an engaging presentation by Dr. Jeffrey Abrams, participants will have the opportunity to learn from an expert in a hands-on arthroscopy model workshop.

WEDNESDAY, JUNE 10, 2015

Stemless Total Shoulder Workshop

Tete d'Or

Sponsored by: Arthrosurface

Anthony Miniaci, MD USA

Matthew Provencher, MD USA

Inlay Glenoid and Stemless Total Shoulder Arthroplasty for young and active patients.

Arthroscopic Treatment of Shoulder Instability–Soft Tissue to Bone Block

Salon Tete d'Or

Sponsored by: DePuy Synthes Mitek Sports Medicine

Emilio Calvo, MD, PhD, MBA SPAIN

Geoffroy Nourissat, MD FRANCE

Tom Clement Ludvigsen, MD NORWAY

Introduction to surgical techniques and important clinical considerations related to instability surgery of the shoulder including case discussions and evaluation of treatment modalities. Faculty members will discuss their preferred treatment options and possible regional preference differences in Europe may be apparent.



From Massive Tears to PASTA Repairs: Treating the Spectrum of Rotator Cuff Pathologies

Gratte-Ciel 1-2-3

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Alessandro Castagna, MD ITALY

Raul Barco, MD SPAIN

Nick Jansen, MD BELGIUM

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Gonzalo Gomez, MD ARGENTINA

Mark Haber, MBBS, FRACS AUSTRALIA

Daniel Biggs, MD AUSTRALIA

Following an engaging presentation by Dr. Alex Castagna, participants will have the opportunity to learn from an expert in a hands-on arthroscopy model workshop.

Anatomic ACL Reconstruction

Forum 2-Concurrent Session

Sponsored by: Smith & Nephew

Moderators: Charles H. Brown, Jr., MD USA

James Robinson, MBBS, MRCS, FRCS(Orth), MS
UNITED KINGDOM

Andrew A. Amis, FREng, PhD, DSc UNITED KINGDOM

Freddie H. Fu, MD USA

Alan Getgood, MD, FRCS(Tr&Orth), DipSEM CANADA

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Konsei Shino, MD, PhD JAPAN

Rainer Siebold, MD, Prof. GERMANY

Robert Jacek Smigielski, MD POLAND

Andy Williams, MBBS, FRCS, FRCS (Orth), FFSEM(UK)
UNITED KINGDOM

The session is aimed at providing the practicing orthopaedic surgeon with practical information on the current state of ACL reconstructive surgery and the basic science behind it. That may be used to better the operations they perform and improve their results.

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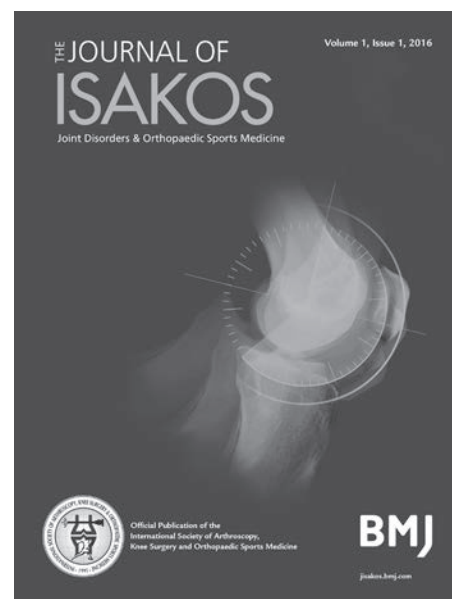
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C. Niek Van Dijk, MD, PhD
Editor-in-Chief

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- **Outcome measures:** Validated outcome measures (including PROMs) and classifications will be presented in easy-to-read tables
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www.teknimed.com

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TEKNIMED is recognized as the reference in BIOMATERIALS devices for Orthopedics and Spine: Synthetic Bone Substitutes, Orthopedic Cements, Vertebroplasty/Kyphoplasty Cements, Biodegradable Polymers and Textile.



Tornier

BOOTH #347

161, rue Lavoisier
Montbonnot 38330
FRANCE

www.tornier.com

info@tornier.com

Tornier is a global medical device company intently focused on surgeons that treat injuries of the shoulder, elbow, hand, wrist, ankle and foot. In certain international markets, Tornier also offers joint replacement products for the hip and knee.

VIMS

BOOTH #302

EUROCENTRE—10, Avenue de Fontr  al
Villeneuve Les Bouloc F 31 620
FRANCE

www.vims-system.com

accueil@vims-system.com

VIMS is a French company that manufactures and distributes equipment for coelioscopy and arthroscopy surgeries. The last system includes the 4K technology (3840x2160p) in order to have bigger picture for a better definition.

VirtaMed AG

BOOTH #134

R  tistr.12
Schlieren Zurich 8952
SWITZERLAND

www.virtamed.com

info@virtamed.com

VirtaMed, a Swiss-based company, develops virtual reality simulators of highest realism. These simulators provide teaching and training of diagnostic and therapeutic interventions in endoscopic surgery.

Wisepress Ltd.

BOOTH #309

The Old Lamp Works
25 High Path
Merton Abbey
London SW19 2JL
UNITED KINGDOM

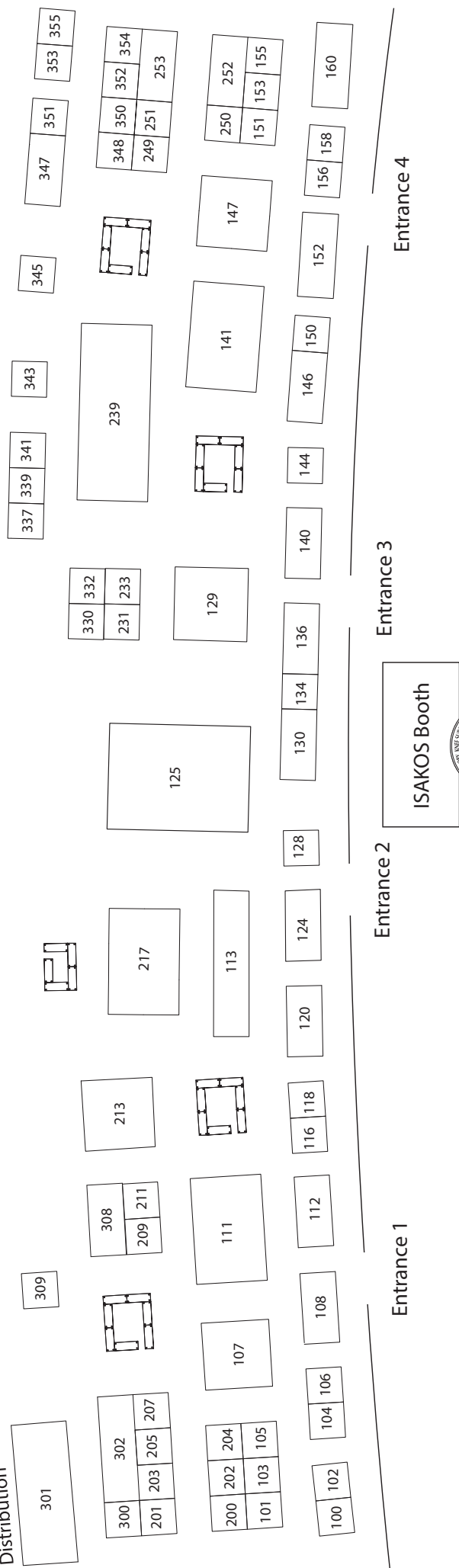
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EXHIBITOR LIST

| Booth | Company |
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| 105 | 3B Scientific GmbH |
| 211 | 3D Systems, Symbionix Products |
| 116 | Adler Ortho S.R.L |
| 158 | albrecht GmbH |
| 352 | American Orthopaedic Society for Sports Medicine (AOSSM) |
| 107 | Amplitude |
| 201 | Aperion Biologics, Inc. |
| 239 | Arthrex GmbH |
| 350 | Arthroscopy Association of North America (AANA) |
| 141 | Arthrosurface |
| 354 | Asia-Pacific Knee, Arthroscopy and Sports Medicine Society (APKASS) |
| 337 | Biomatlante |
| 113 | Biomet |
| 233 | BIOTEK (Chetan Meditech Pvt. Ltd.) |
| 330 | Blue Belt Technologies, Inc |
| 251 | Bone & Joint Journal (formerly JBJS Br) |
| 147 | Breg |
| 101 | Cancun Center Conventions & Exhibitions |
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| 156 | Cayenne Medical, Inc. |
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| 217 | DePuy Synthes Mitek Sports Medicine |
| 111 | DJO Global, Inc. |
| 103 | Dubai Business Events |
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| 104 | Evolutis |
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| 202 | Game Ready |
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| 144 | GeNouRoB |
| 150 | Groupe Lepine |

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| Foyer Forums 4,5,6 | ISAKOS |
| 339 | Journal of Orthopaedic & Sports Physical Therapy (JOSPT) |
| 124 | Karl Storz GmbH & Co. KG |
| 355 | La Sociedad Latinoamericana de Artroscopía, Rodilla y Deporte (SLARD) |
| 250 | LARS SA |
| 207 | LCA Pharmaceutical |
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| 112 | ORTEQ Sports Medicine |
| 345 | Orthomed |
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| 348 | OrthoView |
| 108 | Össur |
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| 125 | Smith & Nephew, Inc. |
| 351 | Societe Francaise D'Arthroscopie |
| 213 | Stryker |
| 102 | TEKNIMED |
| 347 | Tornier |
| 302 | VIMS |
| 134 | VirtaMed AG |
| 309 | Wisepress Ltd. |



SOCIETY EXHIBITS

ISAKOS

FORUMS 4, 5, 6, FOYER

2410 Camino Ramon, Ste. 215

San Ramon, CA 94583

USA

www.isakos.com

isakos@isakos.com

2015 President: Masahiro Kurosaka, MD

ISAKOS advances the worldwide exchange and dissemination of education, research and patient care in arthroscopy, knee surgery and orthopaedic sports medicine.

American Orthopaedic Society for Sports Medicine (AOSSM)

BOOTH #352

9400 W. Higgins Rd., Ste. 300

Rosemont, IL 60018-4975

USA

www.aossm.org

aossm@aossm.org

2015 President: Robert A. Arciero, MD

The American Orthopaedic Society for Sports Medicine (AOSSM) is a world leader in orthopaedic sports medicine education, research, communication, and fellowship. AOSSM works to improve the prevention, treatment and rehabilitation of sports injuries.

Arthroscopy Association of North America (AANA)

BOOTH #350

9400 West Higgins Rd., Ste 200

Rosemont, IL 60018

USA

www.aana.org

info@aana.org

2015 President: Jeffrey S. Abrams, MD

The goal of the Association is to promote, encourage, support and foster through continuing medical education functions, the development and dissemination of knowledge in the discipline of arthroscopic surgery.

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Asia-Pacific Knee, Arthroscopy and Sports Medicine Society (APKASS)

BOOTH #354

Rm. 74029, 5/F, Clinical Sciences Bldg.

Prince of Wales Hospital

Shatin, N.T.

Hong Kong SAR N/A

HONG KONG

www.apkass.org

info@apkass.org

2015 President: Chih-Hwa Chen, MD

APKASS, established in 2013, is an evolution of APOSSM in response to the growing trend both regionally and globally of combining arthroscopy, knee surgery and orthopaedic sport medicine into a coherent group.

European Society of Sports Traumatology Knee Surgery and Arthroscopy (ESSKA)

BOOTH #353

Centre Médical–Fondation Norbert Metz

76, rue d'Eich

Luxembourg 1460

LUXEMBOURG

www.esska.org

info@esska.org

2015 President: Matteo Denti, MD

ESSKA represents Europe in the fields of degenerative joint disease and orthopaedic sports medicine. ESSKA's aim is to improve its patients' quality of life by improving the quality of their orthopaedic treatment

La Sociedad Latinoamericana de Artroscopía, Rodilla y Deporte (SLARD)

BOOTH #355

Pacheco de Melo 2067 – P.B. 'A'

Buenos Aires 1126

ARGENTINA

www.slard.org

secretaria@slard.org

2015 President: Guillermo R. Arce, MD

SLARD's (Sociedad Latinoamericana de Artroscopía Rodilla y Deporte) Vision and Objectives: "To promote education and science development, seeking continued progress of our specialty in the Latin American region".

Societe Francaise D'Arthroscopie

BOOTH #351

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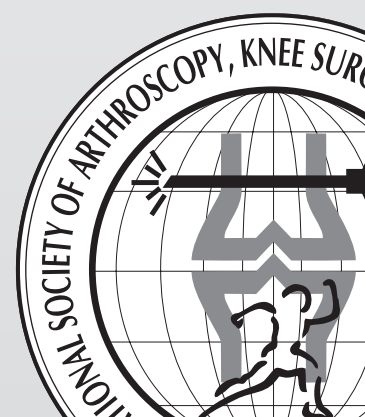
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TWEETING ABOUT
THE CONGRESS?

Include **#ISAKOS2015** in your Tweets
and join the global conversation!



LYON TOURISM

Travel & Accommodations

Official Housing & Tour Bureau

Live! by GL Events

isakos2015@gl-events.com

Please contact Live! by GL Events for questions regarding housing and tours. A housing and tour desk is located in the Registration area located in Hall Bellecour in the Lyon Convention Centre.

Official Tourism Bureau

ONLY LYON

Lyon Tourism and Conventions Bureau

www.en.lyon-france.com

Getting Here

Transportation to and from Lyon Saint Exupéry Aéroport
www.lyonaeroports.com

An express tramway, RHONEXPRESS, links the Lyon-Saint Exupéry International Airport to the Central Lyon Part-Dieu railway station in 25 minutes with departures every 15 minutes.

Getting Around

Lyon has the 2nd largest public transportation network in France. The extensive network of buses, subway and tramway of the T.C.L. (Transports en Commun Lyonnais—Lyon Public Transportation) enables rapid and easy transport from one place to another in the city and its suburbs.

The **Cyclopolitain** (Eco-friendly taxi service) uses a unique electric tricycle taxi cab with a transparent roof, ideal for short trips along the city centre's cycle paths or though the many pedestrian areas. Eco-friendly and wallet friendly at the same time—one euro per person and per kilometer.

Additionally, Lyon offers a convenient, easy way to see the city; the **Lyon City Card**. This card gives you access to more than 40 services, attractions, museums, selected shows and guided tours. It also provides discounts on tours and shows and it allows you to travel on buses, metro, trams and cable cars for free. You may purchase one, two or three-day Lyon City Card passes.



Lyon
Celebrates
the Art of Living



1600

Restaurants



40

Open Food
Markets



2000

Years of
History



Welcome to Lyon!

With more than 2000 years of colorful, tumultuous and thriving history, this French city celebrates the art of living, luxury and fine cuisine.

As the capital of the Rhône-Alpes region located in eastern-central France, Lyon is the largest urban area in France outside of Paris. With a population of over 2 million Lyonnais, it is known as the gastronomic capital of France. Many of France's finest chefs call it home, (one of the most famous being Paul Bocuse) perhaps not coincidentally, as Lyon is located near two of France's best known wine-growing regions: Beaujolais to its north and Côtes du Rhône to the south.

Past: A Brief Look

Historically, Lyon was known as an important area for the production and weaving of silk; significant discoveries were made through scientific and pharmaceutical research that helped to grow this and other emerging industries. During the 19th century, Lyon boomed in the areas of banking and mechanical engineering and had a notable role in the history of cinema. From the medical field, the visionary virologist Charles Mérieux, known for his work in mass vaccination cultivation, hailed from Lyon. Lyon's long-established reputation as a creative city supporting inventors and technicians has made it a forward-thinking, celebrated French city throughout the centuries.



Present: A Quick Peek

With an exuberant passion for life, Lyon blends its rich past with its bustling present. Lyon is renowned for its historical and architectural landmarks and it is a prestigious UNESCO World Heritage site. Old Lyon offers a glimpse into Medieval and Renaissance times with its restored houses and public buildings. Yet, Lyon is also a major center for the banking, chemical, pharmaceutical, biotech and software industries. It is the international headquarters of Interpol and the International Agency for Research on Cancer. Culturally, Lyon has a well-earned reputation for having world-class art, food and entertainment.

Gastronomy

Lyon is gourmet's paradise. With more than 1600 restaurants in the city itself, visitors have access to some of the best chef's tables in the country, if not the world. From Michelin-starred restaurants to local bistros known as bouchons, Lyon cuisine delivers an artful experience; a virtual riot for the taste buds. The locals credit the beginning of Lyonnais cuisine (bouchons) with the legendary Mères Lyonnaises. View a partial list of restaurants here.

Markets

There are close to 40 daily food markets across Lyon and visitors are welcome to taste the very best of the city's fresh produce. One of the most famous markets, Les Halles, is a must-see for the gourmand. Originally opened in 1859, it was relocated in 1971 and in 2006 it was completely renovated and renamed "Halles de Lyon-Paul Bocuse". The change was a nod to Lyon's arguably most celebrated chef, who also shops at the market that boasts over 50 food merchants.



LYON TOURISM (CONT.)



Cooking Lessons, Food & Wine Tasting

If there was ever a place to hone your culinary skills, it is in Lyon. Lyon offers a variety of lessons and tastings. Visit www.en.lyon-france.com for suggestions.

Nightlife

You may be surprised to learn that Lyon is France's second party city, where residents and visitors alike come to enjoy spectacular nights out! Vieux Lyon, Presqu'île, Croix Rousse and the Saône riverbanks are some of the city's trendiest locations. For a spectacular 'nightcap', be sure to have a look at the city's monuments at night as 100,000 projectors illuminate 200 sites bringing the city's night scene to life! Click for a list of the city's hot spots.

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Shopping

Whether it's fashion, furnishings or antiques, shopping in Lyon is a deeply-rooted tradition and there are several shopping areas that are guaranteed to please. Here are a few local favorites:

The Presqu'île: Situated between Place Bellecour and Cordeliers, Le Carré d'Or is home to over 70 different designer labels and brand name stores; a major hotspot for shoppers. Be sure to visit rue Edouard Herriot to find the high-end boutiques of Dior, Louis Vuitton, Hermès, Mont Blanc, Escada, Cartier and other premier designers. The area between rue Victor Hugo and rue de la République is one of Europe's largest commercial and pedestrian zones and here is where you will find the majority of high street shops and chain stores. Close by is the Auguste Comte quarter (south of Bellecour) made up of nearly 100 stores that sell antiques, art work, home furnishings and more.

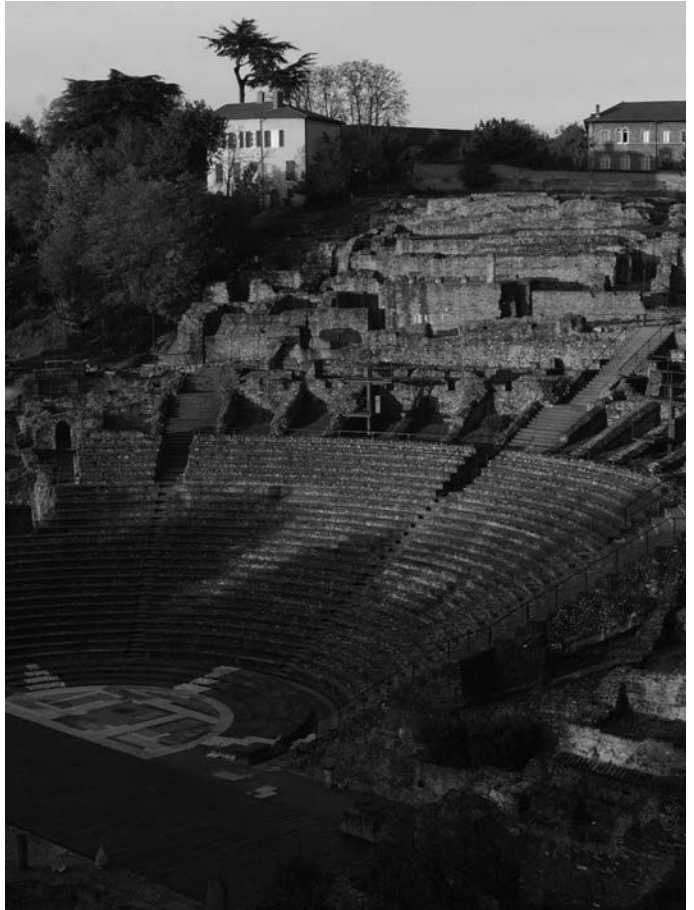
Croix Rousse: If you'd prefer to shop away from the commercial and high street stores, visit Le Passage Thiaffait, home to the Village des Créateurs, located on the Croix-Rousse hills. This unique designer's village features several workshops and boutiques of young and up-coming Lyon designers and offers them an opportunity to exhibit their work.

La Part-Dieu: Located on the left bank of the Rhône River, La Part-Dieu's shopping center houses over 260 stores, including the famous Les Galeries Lafayette. The Center also includes a 14-screen cinema, restaurants and bars.



Museums

The museums of Lyon offer a myriad of themed events, tours and interactive presentations appropriate for all ages. Museums from the Gallo-Roman period to present day offer visitors the opportunity to view priceless collections. ISAKOS attendees may be particularly interested in visiting the Museum of the Medicine and Pharmacology History; a large collection dedicated to the evolution of the medical field through the centuries. Visit www.en.lyon-france.com for the latest exhibition and venue details for all museums.



Monuments and Murals

Centuries-old and architecturally significant, Lyon has been officially classified a UNESCO world heritage site. To find out where to see the abundance of the city's amazing landmarks, [click here](#).

Lyon is also considered the French capital for murals. The city displays over 100 murals including 'trompe l'oeil' walls; the very ancient mural art. Visit www.en.lyon-france.com to learn more.



ISAKOS AWARDS

2015 ISAKOS AWARD FINALISTS & FELLOWSHIPS

ISAKOS is pleased to offer award and fellowship opportunities to acknowledge outstanding contributions to the fields of arthroscopy, knee surgery and orthopaedic sports medicine. Please join us in recognizing these accomplishments during the Award Ceremony at the ISAKOS Congress.

Date: Wednesday, June 10
Time: 10:15–11:00
Location: General Session – L'Amphithéâtre

John J. Joyce Award

Sponsored by Smith & Nephew

In 1981, Dr. John J. Joyce III offered a monetary prize for the best arthroscopy paper read by an orthopaedic surgery resident or fellow during the Scientific Program of the 4th Congress of the International Arthroscopy Association in Rio de Janeiro. With characteristic generosity, he endowed a prize to be awarded at every IAA Congress thereafter. John Joyce created the award with the intention to stimulate and reward younger members who contribute high-quality data and presentations. Thus, orthopaedic residents and fellows, with a study related to arthroscopic treatment are encouraged to apply for this award.

Join us for the John J. Joyce Award finalists' paper presentations:

Sunday, June 7 14:00–14:30 Forum 3

Richard B. Caspari Award

Sponsored by DePuy Synthes Mitek Sports Medicine

Richard B. Caspari was an innovator, teacher and leader in the field of Arthroscopy. Beginning at the 2003 ISAKOS Congress in Auckland, New Zealand, a monetary prize in honor of Richard B. Caspari was awarded to the best upper extremity paper read at the scientific program of the congress. The Richard B. Caspari award was established with the intention of stimulating and rewarding abstracts and presentations in the subject of the upper extremity.

Join us for the Richard B. Caspari Award finalists' paper presentations:

Sunday, June 7 11:30–12:00 Forum 1

Scientific Research Award

Sponsored by Össur

The Scientific Research Award began at the 2007 ISAKOS Congress in Florence, Italy. There, a monetary prize was awarded to the best scientific paper read at the scientific program of the congress. The Scientific Research Award was created with the intention of stimulating and rewarding abstracts and presentations in the subject of Scientific Research.

Join us for the Scientific Award finalists' paper presentations:

Sunday, June 7 14:30–15:00 Forum 3

Albert Trillat Young Investigator's Award Sponsored by Stryker

In 1989, The International Society of the Knee established a Young Investigator's Research Award in memory of Professor Albert Trillat. Past president and founder of the International Society of the Knee, Professor Albert Trillat was one of the pioneers in knee surgery and sports traumatology. This award provides recognition for a young researcher who has done outstanding clinical laboratory research contributing to the understanding, care or prevention of injuries to the knee.

Join us for the presentation of the winning manuscript for this award:

Sunday, June 7 16:30–16:45 General Session – L'Amphithéâtre

The Role of the Anterolateral Structures and the ACL in Controlling Internal Rotational Knee Laxity

Christoph Kittl, MD AUSTRIA

Achilles Orthopaedic Sports Medicine Research Award

Sponsored by DJO, Inc.

The Achilles Orthopaedic Sports Medicine Research Award was created in 1995 to recognize the researcher(s) who have performed the most outstanding clinical or laboratory research in the field of sports medicine, such as the care and prevention of injuries.

Join us for the presentation of the winning manuscript for this award:

Monday, June 8 16:45–17:00 Forum 1

Biomechanical Consequences of a Nonanatomic Posterior Medial Meniscus Root Repair After a Root Tear

Christopher M. LaPrade, BA USA

Patellofemoral Research Excellence Award

Sponsored by The Patellofemoral Foundation, Inc.

The Patellofemoral Research Excellence award was conceived in 2005 by the Patellofemoral Foundation and ISAKOS to encourage outstanding research leading to improved understanding, prevention and treatment of patellofemoral pain or instability.

Join us for the presentation of the winning manuscript for this award:

Monday, June 8 13:45–14:00 Forum 3

Femoral Antetorsion is Related to the Morphology of the Femoral Trochlea

Michael Christian Liebensteiner, MD, PhD AUSTRIA

ISAKOS FELLOWSHIPS



ISAKOS FELLOWSHIPS

The Patellofemoral Traveling Fellowship Sponsored by the Patellofemoral Foundation, Inc.

The Patellofemoral Traveling Fellowship was established in 2005 by the Patellofemoral Foundation and ISAKOS to promote better understanding and communication around the world regarding Patellofemoral pain. The Patellofemoral Traveling Fellowship is available on a competitive basis to an orthopaedic surgeon interested in the study and advancement of understanding of the Patellofemoral joint.

The Upper Extremity Traveling Fellowship

The Upper Extremity Traveling Fellowship was developed by the ISAKOS Upper Extremity Committee to promote better understanding and communication regarding injuries or conditions involving the structures of the Upper Extremity. This Traveling Fellowship is available on a competitive basis to an orthopaedic surgeon interested in the study and advancement of understanding of the Upper Extremity.

The Masaki Watanabe Arthroscopy Traveling Fellowship

Dr. Masaki Watanabe developed the first device for minimally invasive surgery. In honor of Dr. Watanabe's ideas and accomplishments, the Masaki Watanabe Arthroscopy Traveling Fellowship Award is a new traveling fellowship sponsored by the Arthroscopy Committee of ISAKOS that provides funding for two young arthroscopic surgeons to learn more about the current practice of arthroscopic surgery from well-respected experts in the field. The knowledge learned by the traveling fellows can then be taken back to their respective countries to improve patient care and advance the local teaching of arthroscopic surgery.

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SUNDAY, JUNE 7, 2015

GENERAL SESSION: L'AMPHITHÉÂTRE

16:45–17:15

SESSION: BASIC SCIENCE

PAPER #1

Cell Therapy of Tendinopathy: Cell Tracking and Follow-Up Using MRI in an Equine Model

Annette Ahrberg, MD, Leipzig, GERMANY

Janina Burk, DVM, Leipzig, GERMANY

Julia Offhaus, DVM, Leipzig, GERMANY

Dagmar Berner, DVM, Leipzig, GERMANY

Aline Hillmann, DVM, Leipzig, GERMANY

Carolin Horstmeier, DVM, Leipzig, GERMANY

Doreen Scharner, DVM, Leipzig, GERMANY

Karsten Winter, MSC, Leipzig, GERMANY

Walter Brehm, Prof., DVM, Leipzig, GERMANY

Translational Centre for Regenerative Medicine,

University of Leipzig

Leipzig, Saxonia, GERMANY

PAPER #2

Hypoxic Pretreatment Promotes Chondrogenic Capacity of Scaffold-Free Tissue Engineered Construct Derived from Synovial Mesenchymal Stem Cells

Yukihiko Yasui, MD, Suita, Osaka, JAPAN

Ryota Chijimatsu, MS, Suita, Osaka, JAPAN

Yu Moriguchi, MD, PhD, Suita City, Osaka, JAPAN

Kota Koizumi, MD, Suita, Osaka, JAPAN

Norihiko Sugita, MD, Suita, Osaka, JAPAN

Morito Sakaue, PhD, Suita, Osaka, JAPAN

Akira Myoui, MD, PhD, Suita, Osaka, JAPAN

Hideki Yoshikawa, MD, PhD, Suita, Osaka, JAPAN

Norimasa Nakamura, MD, PhD, Osaka, JAPAN

Osaka University

Suita, Osaka, JAPAN

PAPER #3

Platelet Rich Plasma Decreases Anti-Inflammatory Markers in a Human Co-Culture Model for Osteoarthritis

Knut Beitzel, MD, MA, Munich, Bavaria, GERMANY

Chelsea Osterman, BA, Farmington, CT, USA

Mary Beth McCarthy, BS, Farmington, CT, USA

Mark Cote, Farmington, CT, USA

James P. Bradley, MD, Pittsburgh, PA, USA

Gregory Polkowski, MD, Nashville, TN, USA

Augustus D. Mazzocca, MS, MD, Farmington, CT, USA

Department of Orthopaedic Surgery,

University of Connecticut Health Center

Farmington, Connecticut, USA

PAPER #4

Human Skin Stem Cells Successfully Used to Engineer Articular Cartilage

Nikolaos K. Paschos, MD, PhD, Davis, CA, USA

Jerry Hu, PhD, Davis, CA, USA

Kyriacos Athanasiou, PhD, Davis, CA, USA

University of California, Davis

Davis, California, USA

GENERAL SESSION: L'AMPHITHÉÂTRE

16:45–17:15

SESSION: ACL BIOMECHANICS

PAPER #6

Role of Anthropometric Data in the Prediction of 4-Stranded Hamstring Graft Size in Anterior Cruciate Ligament Reconstruction

Sean WL Ho, MBBS, MRCS, Singapore, SINGAPORE

Keng Thiam Lee, FRCS(Ortho), Singapore, SINGAPORE

Tan Tock Seng Hospital, Singapore, Singapore,

SINGAPORE

CONCURRENT SESSION: FORUM 1

11:00–11:30

SESSION: ROTATOR CUFF

PAPER #7

Effects of Glenohumeral Abduction on Rotator Cuff Repair—A Biomechanical Analysis and Comparison of Clinical Outcomes

Patrick H. Lam, PhD, Sydney, NSW, AUSTRALIA

Jacqueline Hawthorne, MD, Sydney, NSW, AUSTRALIA

Elise Carpenter, MD, Sydney, NSW, AUSTRALIA

George A. Murrell, MD, PhD, Sydney, NSW, AUSTRALIA

Orthopaedic Research Institute, St. George Hospital,

University of New South Wales

Sydney, New South Wales, AUSTRALIA

PAPER #8

Fibrin Glue Does Not Improve Rotator Cuff Healing in a Rat Model

Michael Schär, MD, Bern, SWITZERLAND

Richard Ma, MD, New York, NY, USA

Marco Sisto, MSc, New York, NY, USA

Will Gu, MSc, New York, NY, USA

Ashley Titan, BA Ethics and Philosophy
New York, NY, USA

Lilly Ying, BVS, New York, NY, USA

Matthias A. Zumstein, MD, Bern, SWITZERLAND

Xeng-Hua Deng, MD, New York, NY, USA

Scott A. Rodeo, MD, New York, NY, USA

Hospital for Special Surgery
New York, New York, USA

PAPER #9

Rotator Cuff Repair Grafting: A Systematic Review of the Literature

Filippo Familiari, MD, Catanzaro, ITALY

Alan Gonzalez-Zapata, MD, Lutherville, MD, USA

Uma Srikumaran, MD, Columbia, MD, USA

Edward G. McFarland, Lutherville, MD, USA

Division of Shoulder Surgery,
The Department of Orthopaedic Surgery,
Johns Hopkins University
Baltimore, Maryland, USA

PAPER #10

Effect of Lidocaine on Torn Rotator Cuff Tendon

Hirokazu Honda, MD, Kurume, Fukuoka, JAPAN

Masafumi Gotoh, MD, PhD, Kurume, Fukuoka, JAPAN

Tomonoshin Kanazawa, MD, PhD

Kurume, Fukuoka, JAPAN

Hidehiro Nakamura, MD, Kurume, Fukuoka, JAPAN

Hiroki Ohzono, MD, Kurume, Fukuoka, JAPAN

Hisao Shimokobe, MD, Kurume, Fukuoka, JAPAN

Naoto Shiba, MD, PhD, Kurume, Fukuoka, JAPAN

Department of Orthopaedics, Kurume
University School of Medicine
Kurume, Fukuoka, JAPAN

CONCURRENT SESSION: FORUM 1

11:30–12:00

SESSION: CASPARI AWARD –
FINALIST PRESENTATIONS

PAPER #11

Does Smoking Affect Treatment Allocation and Outcomes in Patients With Rotator Cuff Tears?

Bruce S. Miller, MD, MS, Ann Arbor, MI, USA

Germanuel Landfair, BA, Ann Arbor, MI, USA

Joel Gagnier, PhD, Ann Arbor, MI, USA

Christopher Robins, PhD, Ann Arbor, MI, USA

James Carpenter, MD, Ann Arbor, MI, USA

Asheesh Bedi, MD, Ann Arbor, MI, USA

Department of Orthopaedic Surgery,
University of Michigan
Ann Arbor, Michigan, USA

PAPER #12

Does Stiffness Impair or Enhance Healing Post Rotator Cuff Repair? A Study in 1500 Consecutive Arthroscopic Rotator Cuff Repairs

William McNamara, Sydney, NSW, AUSTRALIA

Patrick H. Lam, PhD, Sydney, NSW, AUSTRALIA

George A. Murrell, MD, PhD, Sydney, NSW, AUSTRALIA

St. George Orthopaedic Research Institute
Sydney, New South Wales, AUSTRALIA

PAPER #13

Tight Medial-Knot Tying May Increase the Risk of Re-Tearing After Transosseous Equivalent Repair of Rotator Cuff Tendon

Hiroataka Sano, MD, PhD, Sendai, Miyagi, JAPAN

Masako Tokunaga, MD, Sendai, JAPAN

Moriyuki Noguchi, MD, Sendai, JAPAN

Takashi Inawashiro, MD, PhD, Sendai, JAPAN

Taichi Irie, MD, PhD, Sendai, JAPAN

Hiroo Abe, MD, PhD, Sendai, JAPAN

Division of Orthopedics, Sendai City Hospital
Sendai, Miyagi-ken, JAPAN

PAPER #14

Surgical Treatment of Traumatic Avulsion of Distal Triceps Tendon in 150 Patients

Raffy Mirzayan, MD, Baldwin Park, CA, USA

Daniel Acevedo, MD, Calabasas, CA, USA

Anshu Singh, MD, San Diego, CA, USA

Jeffrey Sodl, MD, Anaheim, CA, USA

Edward H. Yian, MD, Anaheim, CA, USA

Oke Anakwenze, MD, San Diego, CA, USA

Ronald A. Navarro, MD, Harbor City, CA, USA

Kaiser Permanente
Baldwin Park, California, USA

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SUNDAY, JUNE 7, 2015 (CONT.)

CONCURRENT SESSION: FORUM 1

13:30–14:00

SESSION: ROTATOR CUFF

PAPER #15

The Effect of Recombinant Human Parathyroid Hormone (rhPTH) on Tendon-to-Bone Healing in a Rat Rotator Cuff Model

Carolyn Hettrich, MD, MPH, Iowa City, IA, USA

Kyle R. Duchman, MD, Iowa City, IA, USA

Jessica E. Goetz, PhD, Iowa City, IA, USA

Bastian Uribe, MD, Iowa City, IA, USA

Andrew Amendola, BS, Iowa City, IA, USA

Allison Malandra, DVM, Iowa City, IA, USA

Joshua Barber, MD, Columbia, MO, USA

University of Iowa Hospitals and Clinics, Department of Orthopaedics and Rehabilitation
Iowa City, Iowa, USA

PAPER #16

Clinical Comparison of Intramedullary Cortical Button Fixation and Suture Anchor Fixation for Subpectoral Biceps Tenodesis

Uma Srikumaran, MD, Columbia, MD, USA

Kelly Kilcoyne, MD, El Paso, TX, USA

Bashir Zikria, MD, Baltimore, MD, USA

Qais Naziri, MD, Brooklyn, NY, USA

Johns Hopkins University
Baltimore, Maryland, USA

PAPER #17

Hypervascularity in the Bicipital Groove is Responsible for Painful Rotator Cuff Tear

Norimasa Takahashi, MD, Funabashi, Chiba, JAPAN

Hiroyuki Sugaya, MD, Funabashi, Chiba, JAPAN

Nobuaki Kawai, MD, Funabashi, Chiba, JAPAN

Keisuke Matsuki, MD, Ichihara, Chiba, JAPAN

Morihito Tokai, MD, Funabashi, Chiba, JAPAN

Kazutomo Onishi, MD, Funabashi, Chiba, JAPAN

Yusuke Ueda, MD, Funabashi, Chiba, JAPAN

Shota Hoshika, MD, Funabashi, Chiba, JAPAN

Funabashi Orthopaedic Hospital
Funabashi, Chiba, JAPAN

PAPER #18

Glenohumeral Impingement Due to Subscapularis Tendon Repair Medialization

Kyoung Jin Park, MD, PhD, Cheongju, Chungbuk, KOREA

Michelle H. McGarry, MS, Long Beach, CA, USA

Thay Q. Lee, PhD, Long Beach, CA, USA

Akshay Mehta, MD, Hawthorne, CA, USA

Ghita Bouzarif, MS, Irvine, CA, USA

Department of Orthopaedic Surgery, College of Medicine, Chungbuk National University, Cheongju, Chingbuk, KOREA

CONCURRENT SESSION: FORUM 1

15:30–16:00

SESSION: ROTATOR CUFF

PAPER #19

Optimum Tension for the Bridging Sutures in Trans-Osseous Equivalent Rotator Cuff Repair

Ji Soon Park, MD, Seoul, KOREA

Joo Han Oh, MD, PhD

Seongnam-Si, Gyeonggi-do, KOREA

Michelle H. McGarry, MS, Long Beach, CA, USA

Yeon Soo Lee, PhD, Daegu, KOREA

Thay Q. Lee, PhD, Long Beach, CA, USA

Seoul National University Bundang Hospital
Seongnam-si, Kyunggi-do, KOREA

PAPER #20

Healing Disturbance with Suture Bridge Configuration Repair in Rabbit Rotator Cuff Tear

Sae Hoon Kim, MD, PhD, Seoul, KOREA

Jangwoo Kim, MD, Seoul, KOREA

Young Eun Choi, BS, Seoul, KOREA

Hwa-Ryeong Lee, DPT, Seoul, KOREA

Seoul National University Hospital
Seoul, KOREA

PAPER #21

The Role of Acromioplasty, Bursectomy and Distal Clavicle Resection When Repairing Rotator Cuff Tears—24 Month Outcome Data from the New Zealand Rotator Cuff Registry

Matthew John Brick, MD, FRACS

Auckland, NEW ZEALAND

Warren Leigh, FRACS, Auckland, NEW ZEALAND

Michael Andrew Caughey, Auckland, NEW ZEALAND

Anthony Maher, MBChB, Auckland, NEW ZEALAND

New Zealand Orthopaedic Association
Auckland, NEW ZEALAND

PAPER #22

Using Nanofracture to Augment Rotator Cuff Repair Does Not Adversely Affect Anchor Pullout Strength

Brad Aspey, Santa Monica, CA, USA
Charles A. Roth, MD, Gulf Breeze, FL, USA
Roger Ostrander, MD, Gulf Breeze, FL, USA
Chad Poage, DO, Gulf Breeze, FL, USA

Andrews Research and Education Institute, Gulf Breeze, FL, USA

CONCURRENT SESSION: FORUM 1

16:00–16:30

SESSION: SHOULDER INSTABILITY REPAIR

PAPER #23

Modifiable and Non-Modifiable Factors Affecting the Long-Term Clinical and Radiological Results After Arthroscopic Bankart Repair

Mohamed Aboalata, MD, EBOT
Mansoura, Dakahlia, EGYPT

Johannes E. Plath, MD
Munich, Deutschland, GERMANY
Gernot Seppel, MD, Würzburg, GERMANY
Julia Juretzko, MBCh, Munich, GERMANY
Stephan Vogt, MD, Munich, GERMANY
Andreas B. Imhoff, MD, Prof., Munich, GERMANY

Department of Orthopedic Sports Medicine,
Klinikum rechts der Isar, TUM
Munich, Bayern, GERMANY

PAPER #24

How Do Slap-Repairs Compare With Bankart Repairs? A Case Control Study of 200 Consecutive Labral Repairs

Pieter S.W.A. Haen, MD, Groningen, NETHERLANDS
Patrick H. Lam, PhD, Sydney, NSW, AUSTRALIA
Andrew D.J. Mckeown, Sydney, NSW, AUSTRALIA
George A. Murrell, MD, PhD, Sydney, NSW, AUSTRALIA

Orthopaedic Research Institute, St. George Hospital
Kogarah, New South Wales, AUSTRALIA

PAPER #25

Loss of Anterior Stability of Shoulder Across a Range of Motion Due to Combined Bony Defects: A Cadaveric Study

Piyush Walia, MS, Cleveland, OH, USA
Lionel Gottschalk, MD, Shaker Heights, OH, USA
Ronak M. Patel, MD, Cleveland, OH, USA
Matthew Kuklis, MS, Cleveland, OH, USA
Morgan Jones, MD, MPH, Cleveland, OH, USA
Stephen D. Fening, PhD, Cleveland, OH, USA
Anthony Miniaci, MD, FRCSC, Chagrin Falls, OH, USA

Cleveland Clinic
Cleveland, Ohio, USA

PAPER #26

The Effect of Humeral Avulsion of the Glenohumeral Ligaments (HAGL) and Humeral Repair Site on Joint Laxity. A Biomechanical Study

Umile Giuseppe Longo, MD, MSc, PhD, Rome, ITALY
Dominic Southgate, MD, London, UNITED KINGDOM
Desmond J. Bokor, MD, Sidney, AUSTRALIA
Andrew Wallace, MD, PhD, FRCS, FRACS
London, UNITED KINGDOM
Anthony M.J. Bull, BEng, DIC, PhD, CEng
London, UNITED KINGDOM

Department of Bioengineering, Imperial College London
London, UNITED KINGDOM

CONCURRENT SESSION: FORUM 2

09:00–9:45

SESSION: MENISCUS ALLOGRAFT OR SUBSTITUTES?

PAPER #27

Long-Term Results of Arthroscopic Reshaping With or Without Repair of the Peripheral Tear for Symptomatic Discoid Lateral Meniscus in Children

Sang Hak Lee, MD, PhD, Seoul, KOREA
Jin Hwan Ahn, MD, Seoul, KOREA
Kyoung Ho Yoon, MD, PhD, Prof., Seoul, KOREA
Joon Ho Wang, MD, PhD, Seoul, KOREA

Center for Joint Diseases and Rheumatism,
Kyung Hee University Hospital at Gangdong
Seoul, KOREA

PAPER #28

Short- and Medium-Term Outcome of Polyurethane Artificial Menisci

Catherine Van Der Straeten, MD, PhD
Ghent, East-Flanders, BELGIUM
Jan M.K. Victor, MD, PhD, Gent, BELGIUM

Ghent University Hospital
Ghent, East-Flanders, BELGIUM

PAPER #29

Long-Term Survivorship of Meniscal Allograft Transplantation

Catherine Van Der Straeten, MD, PhD
Ghent, East-Flanders, BELGIUM
Jan M.K. Victor, MD, PhD, Gent, BELGIUM

Ghent University Hospital
Ghent, East-Flanders, BELGIUM

SUNDAY, JUNE 7, 2015 (CONT.)

CONCURRENT SESSION: FORUM 2

09:00 – 9:45

SESSION: MENISCUS ALLOGRAFT
OR SUBSTITUTES? (CONT.)

PAPER #30

Functional Biomechanical Performance of a Novel Anatomically Shaped Polycarbonate Urethane Total Meniscus Replacement

Tony Van Tienen, MD, PhD, Nijmegen, NETHERLANDS

Anne Vrancken, PhD, Nijmegen, NETHERLANDS
Florieke Eggermont, MSc, Nijmegen, NETHERLANDS
Gerjon Hannink, PhD, Nijmegen, NETHERLANDS
Pieter Buma, Prof., Nijmegen, NETHERLANDS
Dennis Janssen, PhD, Nijmegen, NETHERLANDS
Nico Verdonchot, Prof., Dr., Ir., Nijmegen, NETHERLANDS

Radboud University Medical Centre
Nijmegen, NETHERLANDS

PAPER #31

Long Term Survival Analysis of Meniscus Allograft Transplantation With Bone Fixation

Jong-Min Kim, MD, PhD, Seoul, KOREA
Seong-Il Bin, MD, Seoul, KOREA

Dept. of Orthopaedic Surgery, University of Ulsan,
College of Medicine, Asan Medical Center
Seoul, KOREA

PAPER #32

The T2 Value of Normal Menisci and Comparison of the Arthroscopic Findings With Change of T2 Value for Repaired Meniscus Using T2 Mapping on Cartilage Setting

Shinya Yamasaki, MD, PhD, Osaka, JAPAN
Yusuke Hashimoto, MD, PhD, Osaka, JAPAN
Junsei Takigami, MD, Habikino City, Osaka, JAPAN
Shozaburo Terai, MD, Osaka City, Osaka, JAPAN
Takanori Teraoka, MD, Sakai, Osaka, JAPAN
Hiroaki Nakamura, Prof., Osaka, JAPAN

Osaka City General Hospital
Osaka, JAPAN

10TH Biennial

ISAKOS 2015
CONGRESS

JUNE 7–11, 2015  LYON, FRANCE

CONCURRENT SESSION: FORUM 2

09:45 – 10:15

SESSION: KNEE OSTEOTOMY &
REPLACEMENT

PAPER #33

Closing Wedge Varus Tibial Osteotomies for Lateral Osteoarthritis: Surgical Technique and Long Term Results

Jean Marie Fayard, MD, Lyon, FRANCE

Nicolas Jan, MD, Lyon, FRANCE
Bertrand Sonnery-Cottet, MD, Lyon, FRANCE
Mathieu Thauvat, MD, Lyon, FRANCE
Pierre Benoit Chambat, MD, Lyon, FRANCE

Centre Orthopédique Santy
Lyon, FRANCE

PAPER #34

Clinical Outcome and Complications After Medial Open Wedge High Tibial Osteotomy Using a Locking Compression Plate

Eiji Kondo, MD, PhD, Sapporo, Hokkaido, JAPAN
Jun Onodera, MD, PhD, Sapporo, Hokkaido, JAPAN
Tomonori Yagi, MD, PhD, Sapporo, Hokkaido, JAPAN
Norimasa Iwasaki, MD, PhD, Sapporo, Hokkaido, JAPAN
Kazunori Yasuda, MD, PhD, Sapporo, Hokkaido, JAPAN

Department of Sports Medicine and Joint Surgery,
Hokkaido University Graduate School of Medicine
Sapporo, Hokkaido, JAPAN

PAPER #35

Distal Femoral Osteotomy – A Large Multicentre Case Series

David W. Elson, MBChB, MRCS, FRCS (T&O)
Stone, Staffordshire, UNITED KINGDOM

Melissa Mahoney, MBBS, BSc (Hons) MRCS
London, UNITED KINGDOM

Sam K. Yasen, MBBS, BSc, MSc Eng, MRCS, FRCS Tr &
Orth, PGCE, Basingstoke, UNITED KINGDOM

Alistair Ian Eyre-Brook, BM, BMedSci,
Taunton, UNITED KINGDOM

Nigel Rossiter, FRCS,

Basingstoke, Hampshire, UNITED KINGDOM

Michael John Risebury, MBBS (Hons), MA (Hons)
FRCS (Tr & Orth),

Basingstoke, Hampshire, UNITED KINGDOM

Chris Wilson, FRCS, Cardiff, UNITED KINGDOM

Matt James Dawson, FRCS, Carlisle, UNITED KINGDOM

Adrian James Wilson, FRCS,

Basingstoke, Hants, UNITED KINGDOM

A Multi Centre Study

Basingstoke, Cardiff, Carlisle, UNITED KINGDOM

PAPER #36

Unicompartmental Knee Replacement and Osteotomies About the Knee: A Comparison of Functional Outcomes at 2 Years

Jonathan Simon Palmer, MRCS, MBBS, BSc, Southampton, UNITED KINGDOM

Sohil Patel, MBBS, BSc, London, UNITED KINGDOM

Michael John Risebury, MBBS (Hons), MA (Hons), FRCS (Tr & Orth), Basingstoke, Hampshire, UNITED KINGDOM

Nigel D. Rossiter, FRCS

Basingstoke, UNITED KINGDOM

Neil P. Thomas, FRCS,

Winchester, Hants, UNITED KINGDOM

Toby Briant-Evans, BMed Sci (Hons) BM BS FRCS (Tr & Orth), Basingstoke, UNITED KINGDOM

Adrian James Wilson, FRCS,

Basingstoke, Hants, UNITED KINGDOM

Basingstoke and North Hampshire Hospital

Basingstoke, UNITED KINGDOM

CONCURRENT SESSION: FORUM 2

11:15–11:45

SESSION: KNEE OSTEOTOMY

PAPER #37

Mid to Long-Term Results of Closed-Wedge High Tibial Osteotomy Using Rigid Stepped Plate

Myung Chul Lee, MD, PhD, Prof., Seoul, KOREA

Hyuk-Soo Han, MD, PhD, Seoul, KOREA

Seong Hwan Kim, MD, Seoul, KOREA

In Woong Park, MD, Seoul, KOREA

Kee Yun Chung, Seoul, KOREA

Ki Bum Kim, Prof., Seoul, KOREA

Sahnghoon Lee, MD, PhD, Seoul, KOREA

Sang Cheol Seong, MD, PhD, Mapo-gu, Seoul, KOREA

Department of Orthopedic Surgery,

Seoul National University College of Medicine

Seoul, KOREA

PAPER #38

Significant Soft Tissue Problems Associated With the KineSpring Knee Implant System: A Small UK Cohort Study

John Francis Davies, MB ChB, MRCS, MSc(Eng), Leeds, UNITED KINGDOM

David W. Elson, MBChB, MRCS, FRCS (T&O)

Stone, Staffordshire, UNITED KINGDOM

Leo Vachtsevanos, MD, MRCS

Cardiff, UNITED KINGDOM

Rhys Williams, MD, Cardiff, UNITED KINGDOM

Cardiff and Vale University Health Board, Cardiff, UNITED KINGDOM

PAPER #39

The Effect of a Valgus Opening Wedge High Tibial Osteotomy and Release of the Medial Collateral Ligament on the Articular Cartilage Pressure, Tension Over the Medial Collateral Ligament and Valgus Stability of the Knee

Nienke Van Egmond, MD, Arnhem, NETHERLANDS

Dennis Janssen, PhD, Nijmegen, NETHERLANDS

Anne Vrancken, PhD, Nijmegen, NETHERLANDS

Nico Verdonschot, Prof., DR. Ir., Nijmegen, NETHERLANDS

Albert Van Kampen, MD, Nymegen, NETHERLANDS

Radboud UMC

Nijmegen, NETHERLANDS

PAPER #40

High Tibial Osteotomy With Matrix Induced Autologous Chondrocyte Implantation vs. High Tibial Osteotomy Alone: A Non-Randomized, Prospective Clinical Trial Using Quantitative MRI

David Anthony Parker, MBBS, BMedSci, FRACS Sydney, NSW, AUSTRALIA

Corey J. Scholes, PhD, Chatswood, NSW, AUSTRALIA

Gavin John Macpherson, FRCSEd

Chatswood, NSW, AUSTRALIA

Saija Sinimaki, MD, Thisted, DENMARK

Bruno M. Giuffr , MD, Sydney, NSW, AUSTRALIA

Edwin Ho, MD, Sydney, NSW, AUSTRALIA

Myles Raphael James Coolican, FRACS

Sydney, NSW, AUSTRALIA

Sydney Orthopaedic Research Institute

Sydney, New South Wales, AUSTRALIA

CONCURRENT SESSION: FORUM 2

13:30–14:00

SESSION: SOFT TISSUE BALANCE & ALIGNMENT IN TKR

PAPER #41

Synovial Glucose Value and Synovial Lactate Dehydrogenase Value are Useful Markers in Differentiating Septic Arthritis from Noninfectious Arthritis of the Knee

Jong-Min Kim, MD, PhD, Seoul, KOREA

Nam-Ki Kim, MD, Seoul, Seong-dong gu, KOREA

Ji Hyun Ahn, MD, PhD, Prof., Goyangsi, Gyeonggido, KOREA

Seong-Il Bin, MD, Seoul, KOREA

Department of Orthopaedic Surgery, University of Ulsan;

College of Medicine, Asan Medical Center

Seoul, Poongnap-dong, Songpa-gu, KOREA

SUNDAY, JUNE 7, 2015 (CONT.)

CONCURRENT SESSION: FORUM 2

13:30–14:00

SESSION: SOFT TISSUE BALANCE &
ALIGNMENT IN TKR (CONT.)

PAPER #42

Patellar Fracture Following Patellofemoral Arthroplasty

Diane Lynn Dahm, MD, Rochester, MN, USA
Alexander Harrison King, BS, Rochester, MN, USA
William M. Engasser, MD, Rochester, MN, USA
Paul L. Sousa, MBA, Rochester, MN, USA
Elizabeth A. Arendt, MD, Minneapolis, MN, USA

Mayo Clinic
Rochester, Minnesota, USA

PAPER #43

The Influence of Intraoperative Soft Tissue Balance on Patellar Pressure in Total Knee Arthroplasty

Tomoyuki Matsumoto, MD, PhD, Kobe, Hyogo, JAPAN

Koji Takayama, MD, PhD, Kobe, Hyogo, JAPAN
Hiroshi Sasaki, MD, Kobe, Hyogo, JAPAN
Shibanuma, MD, Kobe, Hyogo, JAPAN
Yohei Kawakami, MD, PhD, Pittsburgh, PA, USA
Naoki Nakano, MD, Kobe, Hyogo, JAPAN
Kazunari Ishida, MD, PhD, Kobe, Hyogo, JAPAN
Hirotugu Muratsu, MD, PhD, Himeji, Hyogo, JAPAN
Daisuke Araki, MD, PhD, Kobe, Hyogo, JAPAN
Takehiko Matsushita, MD, Kobe, Hyogo, JAPAN
Ryosuke Kuroda, MD, PhD, Kobe, Hyogo, JAPAN
Masahiro Kurosaka, MD, Kobe, Hyogo, JAPAN

Kobe University Graduate School of Medicine
Kobe, Hyogo, JAPAN

PAPER #44

The Pie-Crusting Technique Using Blade Knife for Medial Collateral Ligament Release is Unreliable in Varus Total Knee Arthroplasty: A Cadaveric Study

In Jun Koh, Prof., Seoul, KOREA

Min Woo Kim, MD, Seoul, Seo-cho gu, KOREA
Ju Hwan Kim, MD, Seoul, KOREA
Man Soo Kim, Seoul, KOREA
Sung Won Jang, MD, Seoul, KOREA
Yong In, Prof., Seoul, KOREA

Seoul St. Mary's Hospital
Seoul, KOREA

CONCURRENT SESSION: FORUM 2

15:30–16:00

SESSION: PCL INJURIES

PAPER #45

Posterior Cruciate Ligament With Posterior Meniscomfemoral Ligament Reconstruction Improves Knee Stability

Walter Richard Lowe, MD, Houston, TX, USA
Melissa Bickett, MD, Canton, OH, USA
Uche Osadebe, MD, Newark, NJ, USA
George Malik, BS, Houston, TX, USA
Sabir K. Ismaily, BS, Houston, TX, USA
Philip C. Noble, PhD, Houston, TX, USA

Institute of Orthopedic Research and Education
Houston, Texas, USA

PAPER #46

Biomechanical Properties of Different Open and Arthroscopic Fixation Techniques for PCL Avulsion Fractures

Mirco Herbort, MD, Muenster, GERMANY
Christoph Domnick, MD, Muenster, GERMANY
Simon Lenschow, MD, Muenster, GERMANY
Andre Weimann, MD, Muenster, GERMANY
Clemens Koesters, MD, Muenster, GERMANY
Christian Fink, Prof., MD, Innsbruck, AUSTRIA
Michael Johannes Raschke, Prof., Muenster, GERMANY
Benedikt Schliemann, MD, Muenster, GERMANY
Wolf Petersen, MD, Prof., Berlin, GERMANY

University of Muenster
Muenster, GERMANY

PAPER #47

Treatment of Posterior Cruciate Ligament Tear Combined With Postero-Lateral Instability in Skeletal Immature Children

Ole Gade Sørensen, MD, PhD, Aarhus, DENMARK
Peter Faunoe, MD, Aabyhoej, DENMARK
Svend Erik Christiansen, MD, Aarhus, DENMARK
Martin Lind, Prof., MD, PhD, Aarhus, DENMARK

Aarhus University Hospital
Aarhus, DENMARK

PAPER #48

Posterior Cruciate Ligament Reconstruction in Skeletal Immature Children; A Case Series of Six Patients

Ole Gade Sørensen, MD, PhD, Aarhus, DENMARK
Peter Faunoe, MD, Aabyhoej, DENMARK
Svend Erik Christiansen, MD, Aarhus, DENMARK
Martin Lind, Prof., MD, PhD, Aarhus, DENMARK

Aarhus University Hospital
Aarhus, DENMARK

CONCURRENT SESSION: FORUM 2

16:00–16:30

SESSION: MULTILIGAMENT KNEE INJURIES

PAPER #49

Optimal Graft Selection for Combined ACL-PCL Reconstruction Using Finite Element Analysis on Ligament Strain, Chondral and Meniscal Loads

Brett A. Fritsch, MBBS BSc(Med)
Hunters Hill, NSW, AUSTRALIA

Corey J. Scholes, PhD, Chatswood, NSW, AUSTRALIA
Samuel Grasso, BEng, Chatswood, NSW, AUSTRALIA
Joe Lynch, MSc, Chatswood, NSW, AUSTRALIA
Qing Li, PhD, Sydney, NSW, AUSTRALIA
Richard Smith, PhD, Sydney, NSW, AUSTRALIA
David Anthony Parker, MBBS, BMedSci, FRACS
Sydney, NSW, AUSTRALIA

Sydney Orthopaedic Research Institute
Sydney, New South Wales, AUSTRALIA

PAPER #50

Arthroscopic All-Inside Reconstruction for Popliteus Tendon: Clinical Results of Minimum 2-Year Follow-Up

Hui Zhang, MD, Beijing, CHINA
Hua Feng, MD, Beijing, CHINA

Beijing Jishuitan Hospital
Beijing, CHINA

PAPER #51

Arthroscopic Popliteus Sling Reconstruction for Posterolateral Rotatory Instability of Knee – A Prospective Study

Pranjal Sharad Kodkani, MS(Ortho), D(Ortho), MB, BS, Mumbai, Maharashtra, INDIA

Bombay Hospital, Shushrusha Hospital
Mumbai, Maharashtra, INDIA

PAPER #52

Femoral Tunnel Drilling Angles for Posteromedial Corner Reconstructions of the Knee. Computed Tomography Evaluation in a Cadaveric Model

Àngel Masferrer-Pino, MD, Barcelona, SPAIN

Pablo E. Gelber, MD, PhD, Barcelona, SPAIN
Ferran Abat, MD, PhD, Barcelona, SPAIN
Juan Ignacio Erquicia, MD, Barcelona, SPAIN
Xavier Pelfort, MD, Barcelona, SPAIN
Joan Carles Monllau, MD, PhD, Prof.

Esplugues de Llobregat, Barcelona, SPAIN

Hospital de la Santa Creu i Sant Pau
Universitat Autònoma de Barcelona
Barcelona, SPAIN

CONCURRENT SESSION: FORUM 2

16:30–17:00

SESSION: CARTILAGE

PAPER #53

AMIC Chondrogide + Icepicking vs. Icepicking Alone in Treatment of Acetabular Cartilage Lesions in Cam-Type FAI

Sofie Goeminne, MD, Roosbeek, BELGIUM
Jan F.A. Somers, MD, Ypres, BELGIUM

Jan Yperman Hospitals
Ypres, West-Vlaanderen, BELGIUM

PAPER #54

Quantification Analysis of the Intraoperative Bacterial Contamination Rate and Level of Osteochondral Autografts

Abdulaziz Z. Alomar, MD, MSc, FRCSC, Riyadh, SAUDI ARABIA

King Saud University, College of Medicine
Riyadh, SAUDI ARABIA

PAPER #55

Adipose-Derived Mesenchymal Stem Cells for Knee Articular Cartilage Focal Lesions Treatment

Michail Ilias Iosifidis, MD, PhD, Thessaloniki, GREECE

Theofylaktos Kyriakidis, MD, Brussels, BELGIUM
Efsthios Michalopoulos, PhD, Athens, GREECE
Theophanis Chatzistamatiou, PhD, Athens, GREECE
Andreas Papasavas, PhD, Athens, GREECE
Ioannis Tsitouridis, MD, PhD, Thessaloniki, GREECE
Aikaterini Stavropoulos, MD, PhD, Athens, GREECE
Anastasios Kyriakidis, MD, Thessaloniki, GREECE

2nd Orthopaedic Department, "Papageorgiou" G.H., Thessaloniki. Radiology Department, "Papageorgiou" G.H., Thessaloniki, Hellenic Cord Blood Bank, Biomedical Research Foundation Academy of Athens Thessaloniki, Athens, GREECE

PAPER #56

PEMFS Application After Microfractures to the Knee: A 5 Year Follow Up Study

Leonardo Osti, MD, Modena, ITALY

Angelo Del Buono, MD, Modena, ITALY
Nicola Maffulli, MD, PhD, MS, FRCS(Orth)
London, UNITED KINGDOM

Hesperia Hospital
Modena, ITALY

SUNDAY, JUNE 7, 2015 (CONT.)

CONCURRENT SESSION: FORUM 2

17:00–17:30

SESSION: CARTILAGE

PAPER #57

Assessment of Risk Factors of Osteochondritis Dissecans Coincident With Discoid Lateral Meniscus in Japanese Children

Junsei Takigami, MD, Habikino City, Osaka, JAPAN

Yusuke Hashimoto, MD, PhD, Osaka, JAPAN
Shinya Yamasaki, MD, PhD, Osaka, JAPAN
Shozaburo Terai, MD, Osaka City, Osaka, JAPAN
Tomohiro Tomihara, MD, Habikino City, Osaka, JAPAN
Hiroaki Nakamura, Prof., Osaka, JAPAN

Shimada Hospital
Osaka, JAPAN

PAPER #58

Effectiveness of Oblique Osteochondral Plugs Transplantation for Lateral Type Osteochondritis Dissecans of the Elbow: Comparison With Central Type

Nobuo Yamagami, MD, PhD

Enya-Cho, Izumo-Shi, Shimane-ken, JAPAN
Soichiro Yamamoto, MD, PhD, Izumo, Shimane, JAPAN
Akira Aoki, MD, Izumo, Shimane, JAPAN
Yuji Uchio, MD, PhD, Izumo, Shimane, JAPAN

Shimane University School of Medicine
Enya-cho, Izumo-shi, Shimane-ken, JAPAN

PAPER #59

Inter- and Intra-Observer Reliability of Predictive Models for the Non-Operative Healing Potential of Stable Juvenile Osteochondritis Dissecans (JOCD) Knee Lesions

Elizabeth Bishop Gausden, MD, New York, NY, USA

Jonathan Haskel, BS, Piscataway, NJ, USA
Tyler Uppstrom, BA, New York, NY, USA
Russell Meyer, MD, New York, NY, USA
Yong Woon Shin, MD, New York, NY, USA
Joseph T. Nguyen, MPH, New York, NY, USA
Daniel W. Green, Prof., New York, NY, USA

Hospital for Special Surgery
New York, New York, USA

PAPER #60

Transplantation of Adipose-Derived Mesenchymal Stem Cells for Ankle Articular Cartilage Focal Lesions

Michail Ilias Iosifidis, MD, PhD, Thessaloniki, GREECE
Tryfon Totlis, Thessaloniki, GREECE

Konstantinos Apostolidis, MD, Thessaloniki, GREECE

Theofylaktos Kyriakidis, MD, Brussels, BELGIUM

Efstathios Michalopoulos, PhD, Athens, GREECE

Theophanis Chatzistamatiou, PhD, Athens, GREECE

Andreas Papasavas, PhD, Athens, GREECE

Ioannis Tsitouridis, MD, PhD, Thessaloniki, GREECE

Aikaterini Stavropoulos, MD, PhD, Athens, GREECE

Anastasios Kyriakidis, MD, Thessaloniki, GREECE

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Bank, Biomedical Research Foundation Academy of
Athens, Thessaloniki, Athens, GREECE

CONCURRENT SESSION: FORUM 3

09:00–9:30

SESSION: CARTILAGE

PAPER #61

Osteochondral Allograft Transplantation for Knee Lesions After Failure of Cartilage Repair Surgery

Guilherme Gracitelli, MD, La Jolla, CA, USA

Gökhan Meric, ASISTAN, Izmir, TURKEY

Pamela Pulido, MD, La Jolla, CA, USA

Julie McCauley, MPHc, La Jolla, CA, USA

William Bugbee, MD, La Jolla, CA, USA

Shiley Center for Orthopaedic Research and Education,
Scripps Clinic
La Jolla, California, USA

PAPER #62

The Use of Osteochondral Allograft Transplantation for Primary Treatment of Cartilage Injuries in the Knee

William Bugbee, MD, La Jolla, CA, USA

Dustin Briggs, MD, La Jolla, CA, USA

Kamran Sadr, MD, Fremont, CA, USA

Pamela Pulido, MD, La Jolla, CA, USA

Division of Orthopaedic Surgery, Scripps Clinic
La Jolla, California, USA



PAPER #63

Agili-CTM Induced Cartilage Regeneration: Insights in to the Mode of Action, In Vitro and In Vivo Data

Susan Chubinskaya, PhD, Chicago, IL, USA

Andrew S. Levy, MD, Milburn, NJ, USA
Dror Robinson, MD, PhD, Kfar Saba, ISRAEL
Elizaveta Kon, MD, Bologna, ITALY
Arnavaz Hakimiyani, BS, Chicago, IL, USA
Lev Rappoport, MD, Chicago, IL, USA
Ken R. Zaslav, MD, Richmond, VA, USA
Philip A. Davidson, MD, Park City, Utah, USA
Nir Altschuler, MBA, Kfar Saba, ISRAEL

Rush University Medical Center
Chicago, Illinois, USA

PAPER #64

Knee Defects Biological Resurfacing by Adipose Stem Cells and Collagen Membrane Scaffold

Fabio Valerio Sciarretta, MD, Rome, ITALY

Francesco Chiazolla, MD, Rome, ITALY
Claudio Ascani, MD, Rome, ITALY

Clinica Nostra Signora Della Mercede
Rome, ITALY

CONCURRENT SESSION: FORUM 3

09:30 – 10:00

SESSION: CARTILAGE

PAPER #65

BST-CarGel Treatment Results in Sustained Cartilage Repair Superiority Compared to Microfracture at 5 Years

Matthew Shive, PhD, Toronto, ON, CANADA

William David Stanish, MD, FRCS, FACS, AOA
Halifax, NS, CANADA

Robert G. McCormack, MD

New Westminster, BC, CANADA

Nick Mohtadi, MD, MSc, FRCSC

Calgary, AB, CANADA

Stephane Pelet, MD

Quebec, QC, CANADA

Jacques Desnoyers, MD, FRCS(c)

Ville Lemoyne, AC, CANADA

Francisco Forriol, MD, PhD, Madrid, SPAIN

Kendra Vehik, PhD, Tampa, FL, USA

Stéphane Méthot, BEng, PhD, Laval, QC, CANADA

Alberto Restrepo, MD, Montréal, QC, CANADA

Piramal Healthcare

Laval, Quebec, CANADA

PAPER #66

Biological and Clinical Evaluation of Intraoperative Retention of Autologous Chondrocytes on Type I/III Collagen Scaffold (Ortho-ACI™) For Cartilage Repair

Raymond Crowe, MBBS, FRACS, Victoria, AUSTRALIA

Craig Willers, PhD, Sydney, NSW, AUSTRALIA

Taksum Cheng, PhD, Perth, WA, AUSTRALIA

Louis Wang, PhD, Perth, WA, AUSTRALIA

Ming Hao Zheng, DM, PhD, FRCPATH,

Perth, WA, AUSTRALIA

University of Western Australia

Perth, Western Australia, AUSTRALIA

PAPER #67

Combined Osteochondral Allograft and Meniscal Allograft Transplantation – A Survivorship Analysis

Alan Getgood, MD, FRCS(Tr&Orth), DipSEM

London, ON, CANADA

Jonathon Gelber, MD, Torrance, CA, USA

Simon Görtz, MD, San Diego, CA, USA

Alison Deyoung, MD, Palo Alto, CA, USA

William Bugbee, MD, La Jolla, CA, USA

Scripps Clinic

La Jolla, California, USA

PAPER #68

Fresh Osteochondral Allografting for Bipolar Reciprocal Osteochondral Lesions of the Knee

Gokhan Meric, MD, La Jolla, CA, USA

Guilherme Gracitelli, MD, La Jolla, CA, USA

Pamela Pulido, MD, La Jolla, CA, USA

Simon Görtz, MD, San Diego, CA, USA

Allison De Young, MPA, PA-C, La Jolla, CA, USA

William Bugbee, MD, La Jolla, CA, USA

Department of Orthopaedic Surgery, Scripps Clinic

La Jolla, California, USA

CONCURRENT SESSION: FORUM 3

10:00 – 10:30

SESSION: ANKLE INSTABILITY & ARTHROSCOPY

PAPER #69

Primary, Ankle Lateral Ligament Augmentation Improves Clinical Outcome Relative to Modified Brostrom-Gould Procedure: A 2-Year Randomized Controlled Trial

Mark Darragh Porter, MD, DSc, FRACS, FAOA

Canberra, ACT, AUSTRALIA

Bruce Shadbolt, PhD, Canberra, ACT, AUSTRALIA

Robert Stewart, BSc, Canberra, ACT, AUSTRALIA

Barton Private Hospital

Canberra, ACT, AUSTRALIA

10TH Biennial

ISAKOS 2015
CONGRESS

JUNE 7–11, 2015 LYON, FRANCE

SUNDAY, JUNE 7, 2015 (CONT.)

CONCURRENT SESSION: FORUM 3

10:00–10:30

**SESSION: ANKLE INSTABILITY &
ARTHROSCOPY (CONT.)**

PAPER #70

Intrinsic Risk Factor of Ankle Sprains in Adolescent Soccer Players

Tomoyuki Oda, MD, Nagoya, Aichi, JAPAN

Hideki Hiraiwa, MD, PhD, Nagoya, Aichi, JAPAN
Takashi Hamada, MD, Nagoya, Aichi, JAPAN
Satoshi Yamashita, MD, Nagoya, Aichi, JAPAN
Akira Takamatsu, MD, PhD, Nagoya, Aichi, JAPAN
Kentarō Miyamoto, MD, Nagoya, Aichi, JAPAN
Yasuzumi Kishimoto, MD, Nagoya, Aichi, JAPAN
Saho Tsuchiya, MD, Nagoya, Aichi, JAPAN
Tadahiro Sakai, MD, PhD, Nagoya, Aichi, JAPAN

Department of Orthopaedic Surgery,
Nagoya University Graduate School of Medicine
Nagoya, JAPAN

PAPER #71

**Arthroscopic Lateral Ankle Ligament
Reconstruction: A Preliminary Anatomical Study**

Thomas Bauer, MD, Boulogne, FRANCE

André Thès, MD, Boulogne, FRANCE
Jerome Cournapeau, MD, Boulogne, FRANCE
Mathieu Ferrand, MD, Paris, FRANCE
Philippe P. Hardy, MD, PhD, Prof., Boulogne, FRANCE

Hopital Ambroise Paré
Boulogne, FRANCE

PAPER #72

**Arthroscopic Anterior Talofibular Ligament Repair
and Gould Procedure Via Two Portals for Lateral
Ankle Instability**

Shinya Miki, MD, Tokyo, JAPAN

Masato Takao, MD, PhD, Itabashi-Ku, Tokyo, JAPAN
Kentarō Matsui, MD, Tokyo, JAPAN
Wataru Miyamoto, MD, Itabashi, Teikyo, JAPAN
Takashi Matsushita, MD, DMSc, Tokyo, JAPAN

Department of Orthopaedic Surgery,
Teikyo University School of Medicine
Tokyo, JAPAN

CONCURRENT SESSION: FORUM 3

10:30–11:00

SESSION: ANKLE

PAPER #73

**Radiographic Identification of the Primary
Structures of the Ankle Syndesmosis**

Travis Lee Turnbull, PhD, Vail, CO, USA
Brady Thomas Williams, BS, Vail, CO, USA
Evan W. James, BS, Vail, CO, USA
Kyle A. Jisa, BS, Vail, CO, USA
C Thomas Haytmanek, MD, Vail, CO, USA
Coen Abel Wijdicks, PhD, Munich, GERMANY
Robert F. LaPrade, MD, PhD, Vail, CO, USA
Thomas O. Clanton, MD, Vail, CO, USA

Steadman Philippon Research Institute
Vail, Colorado, USA

PAPER #74

**The Effect of Short-Time Pre-Season Intensive,
Neuromuscular Training on Postural Stability on
Elite Men Football Players**

Natalia Danuta Loboda

Warszawa, Mazowieckie, POLAND

Malgorzata Kowalczyk, PT, Warsaw, POLAND
Robert Jacek Smigielski, MD, Warszawa, POLAND
Marcin Popieluch, MSc, Warsaw, POLAND

Carolina Medical Center
Warsaw, POLAND

PAPER #75

**A New Operation Procedure for the Recurrent
Peroneal Tendons Dislocation for Athlete**

Takashi Horaguchi, MD, PhD, Tokyo, JAPAN

Yusuke Morimoto, MD, Tokyo, JAPAN
Yuki Kato, MD, PhD, Tokyo, JAPAN
Bunsei Goto, MD, PhD, Tokyo, JAPAN
Yu Nagai, MD, Tokyo, JAPAN
Tomohiko Shirata, MD, PhD, Tokyo, JAPAN
Koh Hoteya, MD, Honjo City, Saitama, JAPAN
Yasuaki Tokuhashi, MD, PhD, Tokyo, JAPAN
Akiyoshi Saito, MD, Tokyo, JAPAN

Department of Orthopaedic Surgery and Sports
Medicine, Nihon University Hospital
Tokyo, JAPAN

PAPER #76

**Open vs. Posterior Arthroscopic Subtalar
Arthrodesis: A Comparative Study in 127 Patients**

Annunziato Amendola, MD, Iowa City, IA, USA

Chamnanni Rungprai, MD, Iowa City, IA, USA
Phinit Phisitkul, MD, Iowa City, IA, USA
John E. Femino, MD, Iowa City, IA, USA
Charles L. Saltzman, MD, Salt Lake City, UT, USA

University of Iowa Hospital and Clinics
Iowa City, Iowa, USA

CONCURRENT SESSION: FORUM 3**11:00–11:30****SESSION: SPORTS MEDICINE –
MUSCLES & TENDONS****PAPER #77****Treatment of Epicondylitis by Ultrasound-Guided Local Injections of Autologous Conditioned Plasma (ACP®): A Double-Blind Placebo-Controlled Randomized Clinical Trial With 1-Year Follow-Up****Philippe P. Hardy, MD, PhD, Prof., Boulogne, FRANCE**Patrick Le Goux, MD, Boulogne-Billancourt, FRANCE
Bernard Montalvan, MD, Boulogne-Billancourt, FRANCE
Shahnaz Klouche, MD, Paris, FRANCE
Delphine Borgel, MD, PhD, Paris, FRANCE
Maxime Breban, MD, PhD

Boulogne-Billancourt, FRANCE

Hôpital Ambroise Paré
Boulogne-Billancourt, FRANCE**PAPER #78****Structural Properties of the Intact Proximal Hamstring Origin and Evaluation of Varying Avulsion Repair Techniques: An In Vitro Biomechanical Analysis****Travis Lee Turnbull, PhD, Vail, CO, USA**Mark Hamming, MD, Durham, NC, USA
Marc J. Philippon, MD, Vail, CO, USA
Matthew T. Rasmussen, BS, Vail, CO, USA
Fernando Portilho Ferro, MD, Goiania, GO, BRAZIL
Christiano A.C. Trindade, MD, Vail, CO, USA
Robert F. LaPrade, MD, PhD, Vail, CO, USA
Coen Abel Wijdicks, PhD, Munich, GERMANYSteadman Philippon Research Institute
Vail, Colorado, USA**PAPER #79****Popliteal Artery Entrapment Syndrome in High Level Athletes. A Case Series****Rafael Arriaza Loureda, MD, PhD****Perillo–Oleiros, La Coruña, SPAIN**Emilio Lopez-Vidriero, MD, PhD
Seville, Andalucia, SPAIN
Rosa Lopez-Vidriero, MD, Seville, SPAIN
César Fernández Rodríguez, MD, La Coruña, SPAIN
Alvaro Arriaza Cantos, MD, Madrid, SPAINInstituto Medico Arriaza y Asociados, ISMEC
La Coruña, Seville, SPAIN**PAPER #80****Severely Reduced Functional Outcome at Mean 9 Year Follow-Up After Complications Associated With Acute Achilles Tendon Rupture****Kristoffer Weisskirchner Barfod, MD, PhD
Copenhagen, DENMARK**Thor Magnus Sveen, MD, Copenhagen, DENMARK
Ann Ganestam, MD, Copenhagen, DENMARK
Lars Bo Ebskov, MD, Copenhagen, DENMARK
Anders Troelsen, MD, PhD, DMSc
Copenhagen, DENMARKHvidovre Hospital, Clinical Orthopaedic Research
Hvidovre, Copenhagen, DENMARK**CONCURRENT SESSION: FORUM 3****11:30–12:00****SESSION: SPORTS MEDICINE –
MUSCLES & TENDONS****PAPER #81****Clinical Significance of Magnetic Resonance Imaging and Ultrasonography in Preoperative Planning for Posterior Ankle Impingement Syndrome in Ballet Dancers****Kenichiro Takeshima, MD, Tokyo, JAPAN**Eiichi Hiraishi, MD, Tokyo, JAPAN
Kanako Kudo, MD, Tokyo, JAPAN
Hiroko Ikezawa, MD, Tokyo, JAPAN
Norio Usami, MD, Tokyo, JAPANNational Hospital Organization
Saitama National Hospital
Tokyo, JAPAN**PAPER #83****Subspine Decompression and Its Influence on Proximal Rectus Femoris Integrity and Iliopsoas Excursion****Brian Giordano, MD, Rochester, NY, USA**Rami El-Shaar, MD, Rochester, NY, USA
Michael Stanton, MD, Rochester, NY, USA
Scott Biehl, MD, Rochester, NY, USAUniversity of Rochester
Rochester, New York, USA**PAPER #84****Biomechanical Evaluation of Suture Anchor vs. Transosseous Tunnel Quadriceps Tendon Repair Techniques****Seth Lawrence Sherman, MD, Columbia, MO, USA**Jeff L. Milles, MD, Columbia, MO, USA
Marilyn Copeland, MD, Columbia, MO, USA
Ferris M. Pfeiffer, PhD, Boonville, MO, USA
David Flood, MD, Columbia, MO, USAUniversity of Missouri
Columbia, Missouri, USA

SUNDAY, JUNE 7, 2015 (CONT.)

CONCURRENT SESSION: FORUM 3

13:30–14:00

SESSION: SHOULDER

PAPER #85

Proximal Humerus Tumours: Are They Being Missed?

Cameron Michael Anley, MBChB, M Med (Ortho)
Paarl, Western Cape, SOUTH AFRICA

Tarek Boutenouch, MBChB

Birmingham, UNITED KINGDOM

Lee Jeys, FRCS, Birmingham, UNITED KINGDOM

Simon Carter, MBBS, FRCS(Eng), FRCS(Glas)

Birmingham, UNITED KINGDOM

Kirti D. Moholkar, MBBS, MS, FRCS

Birmingham, West Midlands, UNITED KINGDOM

The Royal Orthopaedic Hospital

Birmingham, UNITED KINGDOM

PAPER #86

Based on Its Anatomic Configuration, the Posterior Bundle of the Acromioclavicular Ligament Plays a Role in Joint Stabilization

Akimoto Nimura, MD, PhD, Tokyo, JAPAN

Masataka Nakazawa, PhD, Tokyo, JAPAN

Hirofumi Sugaya, MD, Funabashi, Chiba, JAPAN

Takeshi Muneta, MD, PhD, Bunkyo-Ku, Tokyo, JAPAN

Keiichi Akita, MD, PhD, Tokyo, JAPAN

Department of Clinical Anatomy, Graduate School of Medical and Dental Science, Tokyo Medical and Dental University

Bunkyo-ku, Tokyo, JAPAN

PAPER #87

Arthroscopic-Assisted Reduction and Fixation for the Treatment of Glenoid Fractures

Kazuhiko Kikugawa, MD, PhD Aki-Gun, Hiroshima, JAPAN

Nobuyoshi Okuhira, MD, PhD

Aki-gun, Hiroshima, JAPAN

Mazda Hospital

Aki-Gun, Hiroshima, JAPAN

PAPER #88

Outcome of Arthroscopic Rotator Cuff Repair With Muscle Advancement for Large to Massive Rotator Cuff Tear

Shin Yokoya, MD, PhD, Hiroshima, JAPAN

Yoshihiro Nakamura, MD, Aki-gun, Hiroshima, JAPAN

Yohei Harada, MD, Hiroshima, Hiroshima, JAPAN

Katsunori Shiraishi, MD, Hiroshima, JAPAN

Yu Mochizuki, MD, Hiroshima, JAPAN

Mitsuo Ochi, MD, PhD, Hiroshima, JAPAN

Hiroshima University

Hiroshima City, Hiroshima, JAPAN

CONCURRENT SESSION: FORUM 3

14:00–14:30

SESSION: JOHN JOYCE AWARD–FINALIST PRESENTATIONS

PAPER #89

A 20 Year Longitudinal Prospective Evaluation of Endoscopic ACL Reconstruction With Patellar Tendon Autograft

Simon M. Thompson, MBBS, BSc(Hon), MSc MD(Res) FRCS(Tr & Orth), Wollstonecraft, NSW, AUSTRALIA

Lucy J. Salmon, PhD, Sydney, NSW, AUSTRALIA

Alison Waller, BAppSci(Physio)

Sydney, NSW, AUSTRALIA

Justin P. Roe, FRACS, A/Prof., Sydney, NSW, AUSTRALIA

James M. Linklater, MBBS (Hons), FRANZCR

Oxford Falls, NSW, AUSTRALIA

Leo A. Pinczewski, FRACS, Sydney, NSW, AUSTRALIA

North Sydney Orthopaedic and Sports

Medicine Centre

Sydney, New South Wales, AUSTRALIA



PAPER #90

The Effect of Autologous Hamstring Graft Diameter on Likelihood for Failure of Anterior Cruciate Ligament Reconstruction

Lindsey Spragg, MD

Manhattan Beach, CA, USA

Jason Chen, MA, San Diego, CA, USA

Raffy Mirzayan, MD, Baldwin Park, CA, USA

Rebecca Love, BS, San Diego, CA, USA

Gregory B. Maletis, MD, Baldwin Park, CA, USA

Kaiser Permanente Baldwin Park

Baldwin Park, California, USA



PAPER #91

Evaluation of Risk to the Suprascapular Nerve During Arthroscopic SLAP Repair: Is a Posterior Portal Safer?

Mark Sando, MD, Manhattan Beach, CA, USA

Jason Alan Grieshaber, MD, Baltimore, MD, USA

Hyunchul Kim, MS, Baltimore, MD, USA

R. Frank Henn, MD, Baltimore, MD, USA

James Dreese, MD, Baltimore, MD, USA

University of Maryland Medical System

Baltimore, Maryland, USA



PAPER #92

Outcomes of Arthroscopic Anterior Shoulder Instability in the Beach Chair vs. the Lateral Decubitus Position: A Systematic Review and Meta-Regression Analysis

Rachel M. Frank, MD, Chicago, IL, USA

Maristella Francesca Saccomanno, MD, Rome, ITALY

Lucas S. McDonald, MD, San Diego, CA, USA

Mario Moric, MS, Chicago, IL, USA

Anthony A. Romeo, MD, Chicago, IL, USA

Matthew T. Provencher, MD, Boston, MA, USA

Rush University Medical Center

Chicago, Illinois, USA



CONCURRENT SESSION: FORUM 3

14:30 – 15:00

SESSION: SCIENTIFIC AWARD – FINALIST PRESENTATIONS

PAPER #93

Conservative Treatment of Ruptured ACL: A Prospective Study of Controlled ACL Healing With Fully Restored Anatomy and Function in Patients Pre-Selected by Diffusion-Weighted MRI – Continuation of the Study

Cyrille Delin, MD, Paris, FRANCE

Jean-Yves Vandensteene, MD, Paris, FRANCE

Romain Rousseau, MD, Paris, FRANCE

Philippe Thelen, MD, Paris, FRANCE

Stéphane Silvera, MD, Paris, FRANCE

Patrick Javoy, MD, Paris, FRANCE

Patrick Djian, MD, Paris, FRANCE

Paul Legmann, MD, PhD, Paris, FRANCE

RIM Maussins-Nollet

Paris, FRANCE



PAPER #94

In Situ Analysis of Anterior Cruciate Ligament Shape and Morphology

Eric Thorhauer, BS, Pittsburgh, PA, USA

Yoshimasa Fujimaki, MD, Tokyo, JAPAN

Ruben O'Hara-Plotnik, BS, Pittsburgh, PA, USA

Freddie H. Fu, MD, Pittsburgh, PA, USA

Scott Tashman, PhD, Pittsburgh, PA, USA

University of Pittsburgh

Pittsburgh, Pennsylvania, USA



PAPER #95

Return to Sport: Does Excellent 6-Month Strength and Function Following ACL Reconstruction Predict Mid-Term Outcomes?

Diane Lynn Dahm, MD, Rochester, MN, USA

Paul L. Sousa, MBA, Rochester, MN, USA

Robert A. Cates, MD, Rochester, MN, USA

Aaron J. Krych, MD, Rochester, MN, USA

Bruce A. Levy, MD, Rochester, MN, USA

Michael Jerome Stuart, MD, Rochester, MN, USA

Mayo Clinic

Rochester, Minnesota, USA



PAPER #96

15 Year Survival of Endoscopic Anterior Cruciate Ligament Reconstruction in Children and Adolescents

Justin P. Roe, FRACS, A/Prof.

Sydney, NSW, AUSTRALIA

Lucy J. Salmon, PhD, Sydney, NSW, AUSTRALIA

Simon M. Thompson, MBBS, BSc(Hon), MSc MD(Res)

FRCS(Tr & Orth), Wollstonecraft, NSW, AUSTRALIA

Matthew Morgan, MBBS, Sydney, NSW, AUSTRALIA

Leo A. Pinczewski, FRACS, Sydney, NSW, AUSTRALIA

North Sydney Orthopaedic and Sports

Medicine Centre

Sydney, New South Wales, AUSTRALIA



CONCURRENT SESSION: FORUM 3

16:30 – 17:00

SESSION: KNEE: ACL

PAPER #97

Effect of Graft Inclination Angle on Knee Kinematics in Single-Bundle Anterior Cruciate Ligament Reconstruction

Paulo Henrique Mendes Araujo, MD

Brasilia, DF, BRAZIL

Paulo Araujo, MD, Pittsburgh, PA, USA

Shigehiro Asai, MD, Tokyo, JAPAN

Maurício Pedro Pinto, MD, Pittsburgh, PA, USA

Thiago Rocha Protti, MD, São Paulo, BRAZIL

Kellie Middleton, MPH, Pittsburgh, PA, USA

James J. Irrgang, PT, PhD, ATC, FAPTA

Pittsburgh, PA, USA

Monica Linde-Rosen, BS, RN, Pittsburgh, PA, USA

Patrick J. Smolinski, PhD, Pittsburgh, PA, USA

Freddie H. Fu, MD, Pittsburgh, PA, USA

University of Pittsburgh

Pittsburgh, Pennsylvania, USA

PAPER #98

Gait is a Poor Task Choice for Identifying Kinematic Deficits After ACL Reconstruction

Scott Tashman, PhD, Pittsburgh, PA, USA

Eric Thorhauer, BS, Pittsburgh, PA, USA

Ruben Ohara-Plotnik, BS, Pittsburgh, PA, USA

Andrew Sivaprakasam, BS, Pittsburgh, PA, USA

James J. Irrgang, PT, PhD, ATC, FAPTA

Pittsburgh, PA, USA

Freddie H. Fu, MD, Pittsburgh, PA, USA

University of Pittsburgh

Pittsburgh, Pennsylvania, USA

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SUNDAY, JUNE 7, 2015 (CONT.)

CONCURRENT SESSION: FORUM 3

16:30 – 17:00

SESSION: KNEE: ACL (CONT.)

PAPER #99

Association Between the Progression of Articular Cartilage Damage and Meniscal Surgery in Conjunction With Anterior Cruciate Ligament Reconstruction: A Second-Look Arthroscopic Evaluation

Atsuo Nakamae, MD, PhD, Hiroshima, JAPAN

Mitsuo Ochi, MD, PhD, Hiroshima, JAPAN
Nobuo Adachi, MD, PhD, Hiroshima, JAPAN
Masataka Deie, MD, PhD, Hiroshima, JAPAN
Masakazu Ishikawa, MD, PhD, Hiroshima, JAPAN

Department of Orthopaedic Surgery,
Hiroshima University
Hiroshima, JAPAN

PAPER #100

Does Adjustable-Length Loop Femoral Cortical Suspension Loosen After Anterior Cruciate Ligament Reconstruction? A Retrospective Comparative Study

Kathryne Judith Stabile, MD, MS, Lititz, PA, USA

Matthew J. Boyle, BSc, MBChB, FRACS
Durham, NC, USA
Tyler Vovos, BS, Durham, NC, USA
Cameron Walker, PhD, Auckland, NEW ZEALAND
Jonathan Roth, MD, Durham, NC, USA
William E. Garrett, Jr., MD, PhD, Bahama, NC, USA

Duke Sports Medicine, Department of Orthopaedic Surgery, Duke University Medical Center
Durham, North Carolina, USA

CONCURRENT SESSION: FORUM 3

17:00 – 17:30

SESSION: KNEE: ACL ANATOMY

PAPER #101

Is the Load Carried From the ACL Mid-Substance Fibers During Anterior Tibial Translation Transmitted to the Posterior Fan-Like Extension Fibers on the Femoral Attachment?

Yasuyuki Kawaguchi, MD, PhD, Ikoma, Nara, JAPAN

Kazunori Yasuda, MD, PhD, Sapporo, Hokkaido, JAPAN
Eiji Kondo, MD, PhD, Sapporo, Hokkaido, JAPAN
Ryo Takeda, PhD, Sapporo, Hokkaido, JAPAN
Camilla Halewood, MEng, MBiomedE
London, UNITED KINGDOM
Keiichi Akita, MD, PhD, Tokyo, JAPAN
Andrew A. Amis, FEng, PhD, DSc
London, UNITED KINGDOM

Department of Mechanical Engineering,
Imperial College London
London, UNITED KINGDOM

PAPER #102

Respective In-Situ Length Change of Two Functional Anterior Cruciate Ligament Bundles Under Various Knee Loading States

Yoshimasa Fujimaki, MD, Tokyo, JAPAN

Eric Thorhauer, BS, Pittsburgh, PA, USA
Christopher D. Murawski, BS, New York, NY, USA
Yusuke Sasaki, MD, Pittsburgh, PA, USA
Patrick J. Smolinski, PhD, Pittsburgh, PA, USA
Scott Tashman, PhD, Pittsburgh, PA, USA
Freddie H. Fu, MD, Pittsburgh, PA, USA

University of Pittsburgh Medical Center
Pittsburgh, Pennsylvania, USA

PAPER #103

Flat Midsubstance of Anterior Cruciate Ligament With Tibial C-Shaped Insertion

Rainer Siebold, MD, Prof., Heidelberg, GERMANY

Peter Schuhmacher, MD, Heidelberg, GERMANY
Francis Fernandez, MD, Manila, PHILIPPINES
Christian Fink, Prof., MD, Innsbruck, AUSTRIA
Robert Jacek Smigielski, MD, Warszawa, POLAND

ATOS Hospital Heidelberg & Anatomical Institute
University of Erlangen and Heidelberg
Heidelberg & Erlangen, GERMANY

PAPER #104

ACL Length Pattern Changes as a Result of Differences in the Femoral Footprint

Kazunori Hino, MD, PhD, Matsuyama, Ehime, JAPAN

Hiromasa Miura, MD, PhD, Toon, JAPAN
Toshiaki Takahashi, MD, PhD, Toon, Ehime, JAPAN
Seiji Watanabe, MD, Toon, Ehime, JAPAN
Yoshio Onishi, MD, Toon, Ehime, JAPAN
Tatsuhiko Kutsuna, MD, Toon, Ehime, JAPAN
Yasutake Iseki, MD, Toon, Ehime, JAPAN

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Toon, Ehime, JAPAN

10TH Biennial

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2015

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GENERAL SESSION: L'AMPHITHÉÂTRE
14:30 – 15:00
SESSION: ACL RECONSTRUCTION

PAPER #105

The Remnant Preserving Surgery and the Remnant Type In ACL Reconstruction

Sahnghoon Lee, MD, PhD, Seoul, KOREA

Kee Yun Chung, MD, Seoul, KOREA

In Woong Park, MD, Seoul, KOREA

Ki Bum Kim, Prof., Seoul, KOREA

Hyuk-Soo Han, MD, PhD, Seoul, KOREA

Sang Cheol Seong, MD, PhD

Mapo-gu, Seoul, KOREA

Myung Chul Lee, MD, PhD, Prof., Seoul, KOREA

Seoul National University College of Medicine
Seoul, KOREA

PAPER #106

Preservation of Remnant Tissue Improves Knee Stability After Anterior Cruciate Ligament Reconstruction in Sheep

Tsuneari Takahashi, MD, Sapporo, Hokkaido, JAPAN

Eiji Kondo, MD, PhD, Sapporo, Hokkaido, JAPAN

Yasuyuki Kawaguchi, MD, PhD, Ikoma, Nara, JAPAN

Jun Onodera, MD, PhD, Sapporo, Hokkaido, JAPAN

Norimasa Iwasaki, MD, PhD, Sapporo, JAPAN

Kazunori Yasuda, MD, PhD, Sapporo, Hokkaido, JAPAN

Department of Sports Medicine and Joint Surgery,
Hokkaido University Graduate School of Medicine
Sapporo, Hokkaido, JAPAN

PAPER #107

MRI Evaluation of Semitendinosus Grafts Maturation in Anatomical Double-Bundle Anterior Cruciate Ligament Reconstruction With Remnant Preservation

Takuya Naraoka, MD, Hirosaki, Aomori, JAPAN

Eiichi Tsuda, MD, Hirosaki, Aomori, JAPAN

Yuji Yamamoto, MD, Hirosaki, Aomori, JAPAN

Shugo Maeda, MD, Hachinohe, Aomori, JAPAN

Yuka Kimura, MD, Hirosaki, Aomori, JAPAN

Yasuyuki Ishibashi, MD, Hirosaki, Aomori, JAPAN

Department of Orthopaedic Surgery, Hirosaki University
Graduate School of Medicine
Hirosaki, Aomori, JAPAN

PAPER #108

A Prospective Evaluation of the Anterior Horn of the Lateral Meniscus as a Landmark for Tibial Tunnel Placement in ACL Reconstruction

Mark David Miller, MD, Charlottesville, VA, USA

Brian C. Werner, MD, Charlottesville, VA, USA

Frank Winston Gwathmey, MD, Charlottesville, VA, USA

University of Virginia
Charlottesville, Virginia, USA

CONCURRENT SESSION: FORUM 1
14:30 – 15:00
SESSION: HIP ARTHROSCOPY

PAPER #109

Complications Relation to Traction During Hip Arthroscopy

Bent Lund, MD, Aarhus, DENMARK

Lone Frandsen, Nurse, Aarhus, DENMARK

Svend Erik Christiansen, MD, Aarhus, DENMARK

Torsten Grønbech Nielsen, BsC, Aarhus, DENMARK

Martin Lind, Prof., MD, PhD, Aarhus, DENMARK

Division of Sportstrauma Ortopaedic Department,
Aarhus University Hospital
Aarhus, DENMARK

PAPER #110

The Role of Hip Arthroscopy in Investigating and Managing the Painful Resurfacing Hip Arthroplasty

Cecilia Pascual-Garrido, MD, Boulder, CO, USA

David Alexander Young, MB, BS, FRACS (Ortho)

Melbourne, VIC, AUSTRALIA

Lori A. Nacius, PA, Boulder, CO, USA

Brett Moreira, MD, Melbourne, VIC, AUSTRALIA

Omer Mei-Dan, MD, Boulder, CO, USA

Melbourne Orthopedic Group
Melbourne, Victoria, AUSTRALIA

PAPER #111

The Incidence of Proximal Deep Vein Thrombosis After Elective Hip Arthroscopy: A Prospective Cohort Study

Nick Mohtadi, MD, MSc, FRCSC

Calgary, AB, CANADA

Kelly Johnston, MD, FRCSC, Calgary, AB, CANADA

Cinzia Gaudelli, MDCM, Red Deer, CANADA

Rhamona Barber, BKin, CAT(C), Calgary, AB, CANADA

Denise S. Chan, MBT, MSc, Calgary, AB, CANADA

Chirag Patel, MD, FRCPC, Calgary, AB, CANADA

Radana Beran, RN, Calgary, AB, CANADA

Elizabeth Mackay, MD FRCPC, Calgary, AB, CANADA

Elizabeth Oddone Paolucci, PhD, Calgary, AB, CANADA

Richard Walker, MD, FRCPC, Calgary, AB, CANADA

University of Calgary Sport Medicine Centre
Calgary, Alberta, CANADA

PAPER #112

Hip Morphology and Articular Cartilage Damage

Mitsunori Kaya, MD, Sapporo, JAPAN

Kennji Tateda, MD, Sapporo, JAPAN

Makoto Emori, MD, Sapporo, JAPAN

Toshihiko Yamashita, MD, PhD

Sapporo, Hokkaido, JAPAN

Department of Orthopaedic Surgery, Sapporo
Medical University
Sapporo, Hokkaido, JAPAN

MONDAY, JUNE 8, 2015 (CONT.)

CONCURRENT SESSION: FORUM 1

17:00–17:30

SESSION: MENISCUS

PAPER #113

Partial Meniscus Substitution with a Polyurethane Scaffold Does Not Improve Outcome After an Open Wedge High Tibial Osteotomy

Pablo E. Gelber, MD, PhD, Barcelona, SPAIN

Anna Isart, MD, Barcelona, SPAIN

Juan Ignacio Erquicia, MD, Barcelona, SPAIN

Xavier Pelfort, MD, Barcelona, SPAIN

Marc Tey, MD, Barcelona, SPAIN

Joan Carles Monllau, MD, PhD, Prof.

Esplugues de Llobregat, Barcelona, SPAIN

ICATME-Hospital Universitari Quirón-Dexeus, Universitat Autònoma de Barcelona

Barcelona, SPAIN

PAPER #114

Simvastatin Stimulates Avascular Meniscus Healing—In Vivo and In Vitro Study

Shurong Zhang, MD, Kobe, Hyogo, JAPAN

Takehiko Matsushita, MD, Kobe, Hyogo, JAPAN

Tomoyuki Matsumoto, MD, PhD, Kobe, Hyogo, JAPAN

Tokio Matsuzaki, MD, Kobe, Hyogo, JAPAN

Kanto Nagai, MD, Kobe, Hyogo, JAPAN

Atsuo Uefuji, MD, Kobe, Hyogo, JAPAN

Naoki Nakano, MD, Kobe, Hyogo, JAPAN

Shinya Oka, MD, PhD, Kobe, Hyogo, JAPAN

Masahiro Kurosaka, MD, Kobe, Hyogo, JAPAN

Ryosuke Kuroda, MD, PhD, Kobe, Hyogo, JAPAN

Department of Orthopaedic Surgery, Kobe University

Graduate School of Medicine

Kobe, Hyogo, JAPAN

PAPER #115

Medial Meniscus Root Repair: Are We Healing and How Can We Tell?

Nicholas Lombardi, BS, Egg Harbor Township, NJ, USA

Fotios Paul Tjoumakaris, MD, Philadelphia, PA, USA

Michael G. Ciccotti, MD, Philadelphia, PA, USA

Bradford Tucker, MD, Philadelphia, PA, USA

Dave Levi, MD, Galloway, NJ, USA

Amy Austin, MD, Galloway, NJ, USA

Greg Lichtman, DO, Philadelphia, PA, USA

Luke Austin, MD, Egg Harbor Township, NJ, USA

Matthew Pepe, MD, Egg Harbor Township, NJ, USA

Rothman Institute of Orthopaedics

Egg Harbor Township, New Jersey, USA

PAPER #116

Analysis of the Risk of Neurovascular Injury of Inside-Out Sutures of the Posterior Horn of the Lateral Meniscus

Alejandro Espejo-Reina, MD, MSc, Málaga, SPAIN

Maximiano Lombardo-De La Torre, MD, Málaga, SPAIN

Antonio Fernández De Rota-Conde, MD, Málaga, SPAIN

José Miguel Serrano-Fernández, MD, Málaga, SPAIN

Maria Belen Martín-Castilla, MD, SPAIN

Francisco Amores-Ramírez, MD, Málaga, SPAIN

Alejandro Espejo-Baena, MD, Málaga, SPAIN

Hospital Universitario Virgen de la Victoria,

Hospital Vithas Parque San Antonio

Málaga, SPAIN

CONCURRENT SESSION: FORUM 2

11:45–12:00

SESSION: ANKLE

PAPER #117

Concomitant Arthroscopic Procedures During Collateral Ligament Surgery in the Ankle—Current Trends in the United States

Youichi Yasui, MD, New York, NY, USA

Khushdeep Vig, BS, New York, NY, USA

Payal Desai, MPH, New York, NY, USA

Ethan Fraser, BS, New York, NY, USA

Christopher D. Murawski, BS, New York, NY, USA

John G. Kennedy, MD, FRCS, New York, NY, USA

Hospital for Special Surgery

New York, New York, USA

PAPER #118

Comparison of Early vs. Delayed Weightbearing Outcomes After Microfracture for Small to Midsized Osteochondral Lesions of the Talus

Keun-Bae Lee, MD, PhD, Gwang-Ju, KOREA

Dong-Hyun Lee, MD, Gwang-Ju, KOREA

Seung-Hun Lee, MD, Gwang-Ju, KOREA

Chonnam National University Hospital

Gwang-ju, KOREA

CONCURRENT SESSION: FORUM 3

11:00–11:30

SESSION: BASIC SCIENCE

PAPER #119

Effect of Hyaluronic Acid on Chondrocyte Apoptosis

David Sadigursky, MD, MSc, Salvador, Bahia, BRAZIL

Ronald Bispo Barreto, MD, Aracaju, Sergipe, BRAZIL

Marcia Uchoa de Rezende, MD, PhD, São Paulo, BRAZIL

Arnaldo José Hernandez, MD, PhD, São Paulo, BRAZIL

University of São Paulo, Orthopedic and Traumatology Institute (IOT HC FMUSP)

São Paulo, BRAZIL

PAPER #120

Losartan Improve the Muscle Regeneration Potential of Muscle Derived Stem Cell in Contusion Injury Mouse Model

Makoto Kobayashi, MD, Pittsburgh, PA, USA

Yohei Kawakami, MD, PhD, Pittsburgh, PA, USA

Satoshi Terada, MD, Pittsburgh, PA, USA

Shusuke Ota, MD, PhD, Nagoya, Aichi, JAPAN

Takanobu Otsuka, MD, PhD, Prof.

Nagoya, Aichi, JAPAN

Freddie H. Fu, MD, Pittsburgh, PA, USA

Johnny Huard, PhD, Pittsburgh, PA, USA

Department of Orthopaedic Surgery,

University of Pittsburgh

Pittsburgh, Pennsylvania, USA

PAPER #121

Age-Dependent Healing Potential of Anterior Cruciate Ligament Remnant-Derived Cells

Naoki Nakano, MD, Kobe, Hyogo, JAPAN

Tomoyuki Matsumoto, MD, PhD, Kobe, Hyogo, JAPAN

Koji Takayama, MD, PhD, Kobe, Hyogo, JAPAN

Takehiko Matsushita, MD, Kobe, Hyogo, JAPAN

Daisuke Araki, MD, PhD, Kobe, Hyogo, JAPAN

Atsuo Uefuji, MD, Kobe, Hyogo, JAPAN

Kanto Nagai, MD, Kobe, Hyogo, JAPAN

Shurong Zhang, MD, Kobe, Hyogo, JAPAN

Takao Inokuchi, MD, Kobe, Hyogo, JAPAN

Kyohei Nishida, MD, Kobe, Hyogo, JAPAN

Ryosuke Kuroda, MD, PhD, Kobe, Hyogo, JAPAN

Masahiro Kurosaka, MD, Kobe, Hyogo, JAPAN

Kobe University Graduate School of Medicine

Kobe, Hyogo, JAPAN

PAPER #122

Histological Comparison of Fibrosis, Following Skeletal Muscle Laceration, With Use of Losartan, Hydrocortisone or Acetylsalicylic Acid

Otavio De Melo Silva Jr., Prof.

Nova Lima, MG, BRAZIL

Luiz Ronaldo Alberty, PhD, Belo Horizonte, MG, BRAZIL

Savio Lana Siqueira, PhD, Ouro Preto, MG, BRAZIL

Tchalton Amador Corrêa, MD

Belo Horizonte, MG, BRAZIL

Laurice Barbosa, Student, Ouro Preto, MG, BRAZIL

Marilia Fontenelle Silva, Ouro Preto, MG, BRAZIL

Iure Kalinine Ferraz De Souza, PhD

Ouro Preto, MG, BRAZIL

Cristiana Buzzelin Nunes, PhD

Belo Horizonte, MG, BRAZIL

University of Ouro Preto

Ouro Preto, Minas Gerais, BRAZIL

PAPER #123

Properties of Regenerated Tissue in an Ovine Meniscal Defect Packed Using a Fibre Reinforced Collagen Sponge Pre-Absorbed with Platelet Rich Plasma

Frances Henson, MA, VetMB, PhD

Cambridge, UNITED KINGDOM

Daniel Howard, PhD, Cambridge, UNITED KINGDOM

John Wardale, PhD, Cambridge, UNITED KINGDOM

Jenny Shepherd, PhD, Cambridge, UNITED KINGDOM

Constantine Tanase, PhD

Cambridge, UNITED KINGDOM

Roger Brooks, PhD, Cambridge, UNITED KINGDOM

Rakesh Rajan, MPhil, Cambridge, UNITED KINGDOM

Andrew McCaskie, Prof.

Cambridge, UNITED KINGDOM

Neil Rushton, MD, FRCS

Cambridge, UNITED KINGDOM

Musculoskeletal Sciences, Addenbrooke's Hospital

Cambridge, UNITED KINGDOM

PAPER #124

Therapeutic Potential of Anterior Cruciate Ligament (ACL) Derived Stem Cells Ex-Vivo Transduced with BMP2 for Rat ACL Reconstruction

Yohei Kawakami, MD, PhD, Pittsburgh, PA, USA

Koji Takayama, MD, PhD, Kobe, Hyogo, JAPAN

Tomoyuki Matsumoto, MD, PhD, Kobe, Hyogo, JAPAN

Yutaka Mifune, MD, PhD, Kobe, JAPAN

Ryosuke Kuroda, MD, PhD, Kobe, Hyogo, JAPAN

Masahiro Kurosaka, MD, Kobe, Hyogo, JAPAN

Freddie H. Fu, MD, Pittsburgh, PA, USA

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Department of Orthopaedic Surgery,

University of Pittsburgh

Pittsburgh, Pennsylvania, USA

PAPER #125

The Effect of Corticosteroids on Activated Human Synovocytes: Implications for Intra-Articular Therapy

Jason L. Dragoo, MD, Redwood City, CA, USA

Hillary Braun, BA, Redwood City, CA, USA

Constance R. Chu, MD, Redwood City, CA, USA

Stanford University

Palo Alto, California, USA

MONDAY, JUNE 8, 2015 (CONT.)

CONCURRENT SESSION: FORUM 3

11:30–12:00

SESSION: BASIC SCIENCE (CONT.)

PAPER #126

Could Tendon Progenitor Cells Be Useful in Regenerative Medicine Application? Characterization and In Vitro Comparison with Human Adipose-Derived Stem Cells

Laura De Girolamo, PhD, Milan, ITALY

Deborah Stanco, MD, Milan, ITALY

Marco Viganò, MSc, Milan, ITALY

Carlotta Perucca Orfei, MSc, Milan, ITALY

Alessia Di Giancamillo, MD, Milan, ITALY

Gabriele Thiébat, MD, Aosta, ITALY

Giuseppe Peretti, Assoc. Prof., Milan ITALY

Galeazzi Orthopaedic Institute

Milan, ITALY

CONCURRENT SESSION: FORUM 3

13:30–13:45

SESSION: ARTHROSCOPY TRAINING

PAPER #127

Objective Assessment of Arthroscopic Skills Using Novel Wireless Elbow-Worn Motion Sensors

Jonathan Rees, MD, Oxford, UNITED KINGDOM

Abtin Alvand, MD, DPhil, Oxford, UNITED KINGDOM

Georgina S.J. Kirby, BSc, London, UNITED KINGDOM

Paul Guyver, FRCS, Oxford, UNITED KINGDOM

Louise Strickland, MSc, Oxford, UNITED KINGDOM

Guang-Zhong Yang, PhD, FRCeng

London, UNITED KINGDOM

Caroline Hargrove, BSc, PhD

London, UNITED KINGDOM

Benny P.L. Lo, PhD, London, UNITED KINGDOM

Nuffield Department of Orthopaedics, Rheumatology & Musculoskeletal Sciences, University of Oxford
Oxford, UNITED KINGDOM

PAPER #128

Results from the Arthroscopic Association of North America (AANA) Copernicus Initiative; A Multicentre Prospective, Randomized, Blinded Trial of Proficiency-Based Progression Training Employing Simulation for an Arthroscopic Bankhart Procedure

Richard L. Angelo, MD, Woodinville, WA, USA

Richard K.N. Ryu, MD, Santa Barbara, CA, USA

Robert A. Pedowitz, MD, PhD, Santa Monica, CA, USA

Anthony Gallagher, PhD, DSc, Cork, IRELAND

AANA Orthopedic Learning Center

Rosemont, Illinois, USA

CONCURRENT SESSION: FORUM 3

16:30–17:00

SESSION: INJURY PREVENTION & RETURN TO SPORTS

PAPER #129

Changes in Uninvolved Limb Function During ACL Reconstruction Rehabilitation, and Its Implications for Limb Symmetry Index Measures

Marc Tompkins, Minneapolis, MN, USA

Eric Rohman, MD, Minneapolis, MN, USA

J. Tyler Steubs, MD, Minneapolis, MN, USA

University of Minnesota/TRIA Orthopaedic Center

Minneapolis, Minnesota, USA

PAPER #130

Return to Soccer Following Anterior Cruciate Ligament Reconstruction

Emmanuel Papacostas, MD, Thessaloniki, GREECE

Efthymios Papasoulis, MD, Thessaloniki, GREECE

Ioannis Terzidis, MD, PhD

Kalamaria Thessaloniki, GREECE

Aristotelis Sideridis, MD, Thessaloniki, GREECE

TheMIS Orthopaedic Center, St. Lukas Hospital

Thessaloniki, GREECE

PAPER #131

Arthroscopic Treatment of Femoroacetabular Impingement in Adolescent Athletes

J.W. Thomas Byrd, MD, Nashville, TN, USA

Kay S. Jones, MSN, RN, Nashville, TN, USA

Frank Winston Gwathmey, MD, Charlottesville, VA, USA

Nashville Sports Medicine Foundation

Nashville, Tennessee, USA

PAPER 1#32

Clinical Outcome After Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction for Knee Hyperextension

Kazuhisa Hatayama, MD, PhD

Maebashi, Gunma, JAPAN

Kenishi Saito, MD, Maebashi, JAPAN

Masanori Terauchi, MD, Gunma-Ken, JAPAN

Hiroshi Higuchi, MD, Maebashi, Gunma, JAPAN

Gunma Chuo Hospital, Maebashi, Gunma, JAPAN

CONCURRENT SESSION: FORUM 3

17:00–17:30

SESSION: INJURY PREVENTION &
RETURN TO SPORTS

PAPER #133

Neuromuscular Retraining in High School Female Athletes: Effects on Athletic Performance Indices and Anterior Cruciate Ligament Injury Rates

Frank R. Noyes, MD, Cincinnati, OH, USA

Sue Barber-Westin, BS, Ft Myers, FL, USA

Stephanie T. Smith, MS, Cincinnati, OH, USA

Tommy Campbell, MA, Cincinnati, OH, USA

Noyes Knee Institute
Cincinnati, Ohio, USA

PAPER #134

Efficacy of The FIFA 11+ Program in Male Collegiate Football (Soccer)

Holly Silvers, MPT, Los Angeles, CA, USA

Bert R. Mandelbaum, MD, DHL (hon)

Santa Monica, CA, USA

Ola Adeniji, MS, Santa Monica, CA, USA

Stephanie Insler, BS, Santa Monica, CA, USA

Mario Bizzini, PT, PhD, Zurich, CH, SWITZERLAND

Jiri Dvorak, Prof., Zurich, SWITZERLAND

Santa Monica Sports Medicine Foundation &
University of Delaware
Santa Monica, California & Newark, Delaware, USA

PAPER #135

How Muscle Activity Changes After Six Months of the FIFA 11+ Program?

Takeshi Oshima, MD, Kanazawa, Ishikawa, JAPAN

Junsuke Nakase, MD, PhD, Kanazawa, Ishikawa, JAPAN

Hitoaki Numata, MD, Kanazawa, Ishikawa, JAPAN

HiroYuki Tsuchiya, MD, Kanazawa, Ishikawa, JAPAN

Kanazawa University Hospital
Kanazawa, Ishikawa, JAPAN

PAPER #136

Identification of Risk Factors for Re-Injury After Anterior Cruciate Ligament Reconstructio

Polyvios Kyritsis, BSc(hons), Doha, QATAR

Roald Bahr, MD, PhD, Oslo, NORWAY

Riadh Miladi, PT, Doha, QATAR

Erik Witvrow, PT, PhD, Doha, QATAR

Aspetar Orthopaedic and Sports Medicine Hospital
Doha, QATAR

TUESDAY, JUNE 9, 2015

GENERAL SESSION: L'AMPHITHÉÂTRE

11:45–12:00

SESSION: ACL REINJURY

PAPER #137

Revision Risk After Allograft Anterior Cruciate Ligament Reconstruction: Association With Graft Processing Techniques, Patient Characteristics and Graft Type

Sam Tejwani, MD, Corona Del Mar, CA, USA
Jason Chen, MA, San Diego, CA, USA
Tadashi Funahashi, MD, Irvine, CA, USA
Rebecca Love, BS, San Diego, USA
Gregory B. Maletis, MD, Baldwin Park, CA, USA

Surgical Outcomes and Analysis Department,
 Kaiser Permanente
 San Diego, California, USA

PAPER #138

Three-Year Prospective Cohort Study of Patients Treated for Anterior Cruciate Ligament Injury: Epidemiological Findings

Caroline Mouton, MSc, Luxembourg, LUXEMBOURG
Daniel Theisen, MSc, PhD, Luxembourg, LUXEMBOURG
Roland Krecke, PT, Luxembourg, LUXEMBOURG
Christian Nührenbörger, MD
Luxembourg, LUXEMBOURG
Dietrich Pape, MD, PhD, Luxembourg, LUXEMBOURG
Romain Seil, MD, Luxembourg, LUXEMBOURG

Sports Medicine Research Laboratory,
 Public Research Center for Health
 Luxembourg, LUXEMBOURG

CONCURRENT SESSION: FORUM 1

14:30–15:00

SESSION: PATELLOFEMORAL JOINT

PAPER #139

The Effects of Hip Abductor and External Rotator Fatigue in Patients With Patellofemoral Pain Syndrome, Compared to Healthy Individuals

George J. Davies, DPT, PT, ATC, CSCS
Savannah, GA, USA

Kari Hogdon, BS, SPT, Savannah, GA, USA
Sarah Davis, BS, SPT, Savannah, GA, USA
Nancy Wofford, DPT, PT, OCS, Savannah, GA, USA
David Lake, PhD, PT, Savannah, GA, USA

Armstrong Atlantic State University
 Savannah, Georgia, USA

PAPER #140

The Association Between Patellofemoral Pain Syndrome and Hip Impingement

Werner Van Der Merwe, MBChB, FCS
Brandhof, Free State, SOUTH AFRICA

Mediclinic Bloemfontein, University of the Free State
 Bloemfontein, Free State, SOUTH AFRICA

PAPER #142

MRI Compatible Method for Patellofemoral Dynamic Evaluation: Porto-Patella Testing Device

Ana Leal, MSc, Guimarães, PORTUGAL
Rogério Barbosa Pereira, PT, BHKin, Porto, PORTUGAL
Hélder Miguel Duarte Pereira, MD
Vila Do Conde, PORTUGAL
Paulo Flores, PhD, Guimarães, PORTUGAL
Filipe Silva, PhD, Guimarães, PORTUGAL
José Carlos Vasconcelos, MD, Porto, PORTUGAL
Joao Duarte Espregueira-Mendes, MD, PhD
Porto, PORTUGAL

University of Minho/D.Henrique RC/Clinica do
 Dragão–Espregueira Mendes Sports Centre, FIFA MCE
 Porto, PORTUGAL

CONCURRENT SESSION: FORUM 1

15:00–15:30

SESSION: PATELLOFEMORAL JOINT & MPFL RECONSTRUCTION

PAPER #143

16 Years, Follow-up of MPFL Reconstructions

Pieter Jordaan Erasmus, MBChB, MMed
Stellenbosch, WC, SOUTH AFRICA

University of Stellenbosch
 Stellenbosch, Western Province, SOUTH AFRICA

PAPER #144

Combined MPFL Reconstruction and Tibial Tubercle Transfer for Patellofemoral Instability

Nicholas Lombardi, BS
Egg Harbor Township, NJ, USA

Chris Hadley, BA, Barnaget, NJ, USA
Fotios Paul Tjoumakaris, MD, Philadelphia, PA, USA
Matthew Pepe, MD, Egg Harbor Township, NJ, USA
Robert Frederick, MD, Villanova, PA, USA
Bradford Tucker, MD, Philadelphia, PA, USA

Rothman Institute of Orthopaedics
 Egg Harbor Township, New Jersey, USA

PAPER #145

The Study of Risk Factors in Post-Operative Results of MPFL Reconstruction

Ryosuke Hirota, MD, Urakawa, Hokkaido, JAPAN

Tomoyuki Suzuki, MD, Sapporo, Hokkaido, JAPAN

Toshihiko Yamashita, MD, PhD

Sapporo, Hokkaido, JAPAN

Hidenori Otsubo, MD, PhD, Sapporo, Hokkaido, JAPAN

Kota Watanabe, MD, Sapporo, Hokkaido, JAPAN

Atsushi Teramoto, MD, Sapporo, Hokkaido, JAPAN

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University School of Medicine, Sapporo, Hokkaido

Sapporo, Hokkaido, JAPAN

PAPER #146

Patient-Based Outcomes after Medial Patellofemoral Ligament Reconstruction

Takehiko Matsushita, MD, Kobe, Hyogo, JAPAN

Ryosuke Kuroda, MD, PhD, Kobe, Hyogo, JAPAN

Shinya Oka, MD, PhD, Kobe, Hyogo, JAPAN

Tomoyuki Matsumoto, MD, PhD, Kobe, Hyogo, JAPAN

Koji Takayama, MD, PhD, Kobe, Hyogo, JAPAN

Yuichi Hoshino, MD, PhD, Kobe, Hyogo, JAPAN

Daisuke Araki, MD, PhD, Kobe, Hyogo, JAPAN

Masahiro Kurosaka, MD, Kobe, Hyogo, JAPAN

Department of Orthopaedic Surgery, Kobe University

Graduate School of Medicine

Kobe, JAPAN

CONCURRENT SESSION: FORUM 3

11:45–12:00

SESSION: LABRAL REPAIR

PAPER #147

Arthroscopic Findings of a Diagnostic Dilemma-Normal Hip XR and MRI Imaging but Positive Response to Intra-Articular Hip Injection

Camdon Fary, BSc, BAO, MB, BCh, FRACS, FAOrthA Melbourne, VIC, AUSTRALIA

Joel Buikstra, BBiomedSci, Melbourne, VIC, AUSTRALIA

Phong Tran, MBBS, FRACS, FAOrthA

Melbourne, VIC, AUSTRALIA

Western Hospital

Melbourne, Victoria, AUSTRALIA

10TH Biennial

ISAKOS 2015
CONGRESS

JUNE 7–11, 2015 LYON, FRANCE

PAPER #148

Endoscopic Repair of Hip Abductor Tears: Outcomes With One to Two-Year Follow-Up

J.W. Thomas Byrd, MD, Nashville, TN, USA

Kay S. Jones, MSN, RN, Nashville, TN, USA

Nashville Sports Medicine Foundation

Nashville, Tennessee, USA

CONCURRENT SESSION: FORUM 3

13:30–14:00

SESSION: HIP ARTHROSCOPY

PAPER #149

NSAIDs Significantly Reduces HO Occurrence After Hip Arthroscopy

Ehud Rath, MD, Rehovot, ISRAEL

Eyal Amar, MD, Tel Aviv, ISRAEL

Yaniv Warschawski, MD, Tel Aviv, ISRAEL

Zach T. Sharfman, Tel Aviv, ISRAEL

Gil Rachevsky, MD, Tel Aviv, ISRAEL

Tel Aviv Medical Center

Tel Aviv, ISRAEL

PAPER #150

Outcomes After Isolated Acetabular Osteoplasty for Combined-Type Femoroacetabular Impingement: Minimum 2-Year Follow-Up

Mufaddal Mustafa Gombera, MD, Chicago, IL, USA

Cynthia Kahlenberg, BA, Chicago, IL, USA

Ronak M. Patel, MD, Cleveland, OH, USA

Brian Han, BA, Chicago, IL, USA

Prashant Prakash Deshmene, MS (Orth)

Mumbai, Maharashtra, INDIA

Michael Terry, MD, Chicago, IL, USA

Northwestern University

Chicago, Illinois, USA

PAPER #151

Prospective Correlation of MRI T2 Mapping In ICRS Graded Damaged and Healthy Articular Cartilage Specimens From Hip Arthroscopy Treatment in Patients With FAI

Charles P. Ho, MD, PhD, Vail, CO, USA

Marc J. Philippon, MD, Vail, CO, USA

Rachel Kathleen Surowiec, MSc, Vail, CO, USA

David D. Frisbie, DVM, PhD, Fort Collins, CO, USA

Fernando Portilho Ferro, MD, Goiania, GO, BRAZIL

Christina Lee, PhD, Fort Collins, CO, USA

Grant Dornan, MSc, Vail, CO, USA

Katharine J. Wilson, MSc, Vail, CO, USA

Eric Fitzcharles, MD, Vail, CO, USA

Adriana J. Saroki, BSc, Vail, CO, USA

Steadman Philippon Research Institute and the Orthopaedic Research Center, Department of Clinical Sciences, College of Veterinary Medicine and Biomedical Studies, Colorado State University
Vail/Fort Collins, Colorado, USA

TUESDAY, JUNE 9, 2015 (CONT.)

PAPER #152

The Prevalence of Abdominal Hernias in Patients With Symptomatic Femoroacetabular Impingement

Thomas H. Wuerz, MD, MSc, Chicago, IL, USA

Francesco Dalla Riva, MD, Zurich, SWITZERLAND

Florian Dominiq Naal, Zurich, Baden, SWITZERLAND

Beat Dubs, MD, Zurich, SWITZERLAND

Shane Nho, MD, Chicago, IL, USA

Michael Leunig, MD, Zürich, SWITZERLAND

Schulthess Klinik

Zurich, SWITZERLAND

CONCURRENT SESSION: FORUM 3

15:00 – 15:30

SESSION: HIP ARTHROSCOPY

PAPER #153

Relationship Between Crossover Sign and Acetabular Coverage in Dysplastic Hip

Hiroshi Koyama, MD, PhD

Hamamatsu, Shizuoka, JAPAN

Hironobu Hoshino, MD, PhD, Hamamatsu, JAPAN

Mitsuru Hanada, MD, PhD

Hamamatsu, Shizuoka, JAPAN

Hiroki Furuhashi, MD, Hamamatsu, JAPAN

Masaaki Takahashi, MD, PhD

Hamamatsu, Shizuoka, JAPAN

Yukihiro Matsuyama, MD, PhD

Hamamatsu, Shizuoka, JAPAN

Department of Orthopaedic Surgery, Hamamatsu

University School of Medicine

Hamamatsu, Shizuoka, JAPAN

PAPER #154

Outcomes for Hip Arthroscopy Based on Gender and Age: A Comparative Matched-Groups Analysis

Rachel M. Frank, MD, Chicago, IL, USA

Simon Lee, MPH, Chicago, IL, USA

Charles Bush-Joseph, MD, Chicago, IL, USA

Michael J. Salata, MD, Chicago, IL, USA

Richard C. Mather, MD, Durham, NC, USA

Shane Nho, MD, Chicago, IL, USA

Rush University Medical Center

Chicago, Illinois, USA

PAPER #155

Arthroscopic Labral Preservation and Femoroacetabular Impingement Correction in Patients Over 70 Years of Age

Eisaburo Honda, MD, Kitakyushu, Fukuoka, JAPAN

Shinsuke Sakoda, MD, Kitakyushu, Fukuoka, JAPAN

Hiroto Kumagae, MD, Kitakyushu, Fukuoka, JAPAN

Tomonori Taketa, MD, Fukuoka, Fukuoka, JAPAN

Soshi Uchida, MD, PhD, Kitakyushu, Fukuoka, JAPAN

Akinori Sakai, Kitakyushu, Fukuoka, JAPAN

Wakamatsu Hospital for the University of Occupational
Environmental Health

Kitakyushu, Fukuoka, JAPAN

PAPER #156

The Effect of Platelet Enriched Plasma on Clinical Outcomes in Patients With Femoroacetabular Impingement Following Arthroscopic Labral Repair and Femoral Neck Osteoplasty

Brian Giordano, MD, Rochester, NY, USA

Russell LaFrance, MD, Rochester, NY, USA

Karen Mohr, PT, Los Angeles, CA, USA

Jennifer Cabrera, PA-C, Beverly Hills, CA, USA

Jason Snibbe, MD, Beverly Hills, CA, USA

University of Rochester

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10TH Biennial

ISAKOS
CONGRESS

2015

JUNE 7–11, 2015
LYON, FRANCE



GENERAL SESSION: L'AMPHITHÉÂTRE

13:30–14:00

SESSION: MENISCAL REPAIR

PAPER #157

Repeat Meniscus Repair: What Result Can We Expect?

Aaron J. Krych, MD, Rochester, MN, USA

Paul L. Sousa, MBA, Rochester, MN, USA

Patrick Reardon, BS, Rochester, MN, USA

Bruce A. Levy, MD, Rochester, MN, USA

Diane Lynn Dahm, MD, Rochester, MN, USA

Michael Jerome Stuart, MD, Rochester, MN, USA

Mayo Clinic

Rochester, Minnesota, USA

PAPER #158

Time Interval Between Trauma and Arthroscopic Meniscal Repair Has No Influence on Clinical Survival

Robert Van Der Wal, MD, The Hague, NETHERLANDS

Bregje J.W. Thomassen, MSc

The Hague, NETHERLANDS

Jan-Willem Swen, MD, Den Haag, NETHERLANDS

Ewoud R.A. Van Arkel, MD, PhD

Den Haag, CK, NETHERLANDS

Medical Center Haaglanden

The Hague, NETHERLANDS

PAPER #159

Fibular Head as a Landmark for Identification of the Common Peroneal Nerve: A Cadaveric Study

Jeffrey Macalena, MD, Minneapolis, MN, USA

Gregory Hildebrand, MD, Minneapolis, MN, USA

Marc Tompkins, Minneapolis, MN, USA

University of Minnesota

Minneapolis, Minnesota, USA

PAPER #160

Strength of Arthroscopic Repair Constructs for Radial Tears of the Meniscus

Adam William Anz, MD, Gulf Breeze, FL, USA

Eric A. Branch, MS, Gulf Breeze, FL, USA

Justin Saliman, MD, Los Angeles, CA, USA

Andrews Research and Education Institute

Gulf Breeze, Florida, USA

CONCURRENT SESSION: FORUM 1

13:30–14:00

SESSION: SHOULDER INSTABILITY

PAPER #161

Outcomes of Distal Tibia Allograft Reconstruction for Recurrent Anterior Shoulder Instability

Rachel M. Frank, MD, Chicago, IL, USA

Matthew T. Provencher, MD, Boston, MA, USA

Petar Golijanin, Research Coordinator, Boston, MA, USA

Daniel Gross, MD, Boston, MA, USA

Brian J. Cole, MD, MBA, Chicago, IL, USA

Nikhil N. Verma, MD, Chicago, IL, USA

Anthony A. Romeo, MD, Chicago, IL, USA

Massachusetts General Hospital

Boston, Massachusetts, USA

PAPER #162

Clinical and Radiographic Analysis of Failed Bristow-Latarjet Procedures for Recurrent Shoulder Instability

Laurent Willemot, MD, Gent, BELGIUM

Francis Bonte, MD, Ghent, BELGIUM

Philippe Debeer, PD, PhD, Leuven, BELGIUM

Geert Declercq, MD, Schilde, BELGIUM

Anne Karelse, MD, Terneuzen, NETHERLANDS

Bart Berghs, MD, Snellegem, BELGIUM

Lieven De Wilde, Prof., Gent, BELGIUM

Olivier Verborgt, MD, PhD, Antwerpen, BELGIUM

Ghent University

Gent, Oost-Vlaanderen, BELGIUM

PAPER #163

Coracoid Graft Positioning in Arthroscopic Latarjet Procedure: CT Assessment of the Position and Fusion of the Coracoid Block

Laurent Casabianca, MD, Paris, FRANCE

Loriaut Philippe, MD, Paris, FRANCE

Gerometta Antoine, MD, Paris, FRANCE

Rousseau Romain, MD, Paris, FRANCE

Pascal-Mousselard Hugues, PhD, Paris, FRANCE

Khiami Frederic, MD, Paris, FRANCE

Pitié Salpêtrière

Paris, FRANCE

PAPER #164

Does the Change of Retroversion of the Glenoid Protect the Axillary Nerve During Arthroscopic Latarjet Procedure? An Anatomical Study

Felipe A. Reinares, MD, Santiago, CHILE

Apostolos Gkantsos, MD, Paris, FRANCE

Tina Moraiti, MD, Ioannina, GREECE

Grégoire Ciais, MD, Paris, FRANCE

Choukry Dib, MD, Paris, FRANCE

Philippe Valenti, MD, Pontault Combault, FRANCE

Shoulder Unit. Institut de la Main. Clinique Jouvenet

Paris, FRANCE

WEDNESDAY, JUNE 10, 2015 (CONT.)

CONCURRENT SESSION: FORUM 2

11:15–12:00

SESSION: TOTAL KNEE REPLACEMENT

PAPER #165

The Patient's Age and American Society of Anesthesiologists Status Are Reasonable Criteria for Deciding Whether to Perform Same-Day Bilateral Total Knee Arthroplasty

Man Soo Kim, MD, Seoul, KOREA

In Jun Koh, Prof., Seoul, KOREA

Min Woo Kim, MD, Seoul, Seo-cho gu, KOREA

Sung Won Jang, MD, Seoul, KOREA

Yong In, Prof., Seoul, KOREA

Seoul St. Mary's Hospital

Seoul, KOREA

PAPER #166

Pre-Operative Anaemia and Length of Stay in Primary Arthroplasty Patients

**Amarvir Bilkhu, MB/BChir, MA, MRCS
Leeds, UNITED KINGDOM**

Osman Riaz, MB ChB

Huddersfield, West Yorkshire, UNITED KINGDOM

Gurudatt Sisodia, MBChB, BSc, MRCS

Greater Manchester, UNITED KINGDOM

Gautam Chakrabarty, MBBS, D Orth, MS Orth

MCh Orth, FRCS Ed, FRCS

Huddersfield, UNITED KINGDOM

Huddersfield Royal Infirmary

Huddersfield, Yorkshire, UNITED KINGDOM

PAPER #167

The Significance of Alignment in Knee Flexion Position During Navigation-Assisted Total Knee Arthroplasty

Jae-Hyuk Yang, MD, PhD, Seoul, KOREA

Jung-Ro Yoon, MD, PhD, Seoul, KOREA

Veterance Health Service Medical Center

Seoul, KOREA

PAPER #168

The 2011 Knee Society Score According to Age and Sex in the Japanese General Population

Kazuki Oishi, MD, Hirosaki, Aomori, JAPAN

Eiichi Tsuda, MD, Hirosaki, Aomori, JAPAN

Yuji Yamamoto, MD, Hirosaki, Aomori, JAPAN

Shugo Maeda, MD, Hachinohe, Aomori, JAPAN

Eiji Sasaki, MD, PhD, Hirosaki, Aomori, JAPAN

Daisuke Chiba, MD, Hirosaki, Aomori, JAPAN

Shigeyuki Nakaji, MD, Hirosaki, Aomori, JAPAN

Yasuyuki Ishibashi, MD, Hirosaki, Aomori, JAPAN

Department of Orthopaedic Surgery Hirosaki University

Graduate School of Medicine

Hirosaki, Aomori, JAPAN

PAPER #169

A Double Blinded, Randomized, Controlled Proof of Concept Study to Compare Post-Operative Analgesic and Mobilization Outcomes of Local Infiltration Analgesia, Single Shot Femoral Nerve Block and Intrathecal Morphine in Primary Total Knee Arthroplasty

**Christopher J. Wilson, MBChB MRCS, FRACS
Adelaide, SA, AUSTRALIA**

Jegan Krishnan, Prof., Adelaide, SA, AUSTRALIA

Repatriation General Hospital, International

Musculoskeletal Research Institute

Adelaide, South Australia, AUSTRALIA

PAPER #170

Multimodal Pain Management in Total Knee Arthroplasty: A Prospective Randomized Controlled Trial

Sahnghoon Lee, MD, PhD, Seoul, KOREA

Seong Hwan Kim, MD, Seoul, KOREA

Il-n Woong Park, MD, Seoul, Korea

Kee Yun Chung, Seoul, KOREA

Ki Bum Kim, Prof. DR. Ir., Seoul, KOREA

Hyuk-Soo Han, MD, PhD, Seoul, KOREA

Sang Cheol Seong, MD, PhD

Mapo-gu, Seoul City, KOREA

Myung Chul Lee, MD, PhD, Prof., Seoul, KOREA

Department of Orthopedic Surgery, Seoul National

University College of Medicine

Seoul, KOREA

CONCURRENT SESSION: FORUM 2

14:30–15:00

SESSION: KNEE: ACL INJURY
AND TREATMENT

PAPER #171

Evaluation of the Knee Stability Under One Bundle Tear in Anterior Cruciate Ligament: A Human Cadaveric Study

Yusuke Sasaki, MD, Pittsburgh, PA, USA

Masataka Fujii, MD, PhD, Nihama, JAPAN

Patrick J. Smolinski, PhD, Pittsburgh, PA, USA

Monica Linde-Rosen, BS, RN, Pittsburgh, PA, USA

Freddie H. Fu, MD, Pittsburgh, PA, USA

Junjun Zhu, PhD, Pittsburgh, PA, USA

University of Pittsburgh

Pittsburgh, Pennsylvania, USA

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JUNE 7–11, 2015 LYON, FRANCE

PAPER #172

ACL Degeneration as an Early Marker of Future Osteoarthritic Changes in the Knee

James J. Irrgang, PT, PhD, ATC, FAPTA
Pittsburgh, PA, USA

Eric Duerr, BS, Pittsburgh, PA, USA
 Amir Ata Rahnemai Azar, MD, Bronx, NY, USA
 Freddie H. Fu, MD, Pittsburgh, PA, USA

University of Pittsburgh
 Pittsburgh, Pennsylvania, USA

PAPER #174

Return to Sport Outcomes 3-7 Years After Revision ACL Reconstruction Surgery

Bobby Anand, FRCS (Tr & Orth), London,
UNITED KINGDOM

Kate E. Webster, PhD, Melbourne, VIC, AUSTRALIA
 Julian A. Feller, FRACS, Melbourne, VIC, AUSTRALIA
 Anneka K. Richmond, BSc (Hons), Melbourne, VIC, AUSTRALIA

OrthoSport Victoria Research Unit
 Melbourne, Victoria, AUSTRALIA

CONCURRENT SESSION: FORUM 2

15:30 – 16:00

SESSION: DOUBLE BUNDLE ACL
 RECONSTRUCTION

PAPER #175

A Prospective Randomised Controlled Trial Comparing Clinical, Biomechanical, and Functional Outcomes of Anterior Cruciate Ligament Reconstruction Using Anatomical Single-Bundle vs. Anatomical Double-Bundle Technique

Patrick Shu Hang Yung, FRCS(Orth Surgery), FHKCOS
FHKAM, FRCS, MBChB
Hong Kong, NT, HONG KONG

Michael Tim Yun Ong, FRCS(Orth Surgery), FHKCOS
 FHKAM, MBChB, HONG KONG

Alexander Pak Hin Chan, FRCSEd(Orth Surgery)
 FHKCOS, FHKAM, MBBS, HONG KONG

Lorraine Sin Ting Kwong, BSc Pharmacology &
 Physiological Sciences, HONG KONG

Kai-Ming Chan, MBBS, MCH(ORTH), FRCPS(G), FRCSEd(ORTH), Hong Kong, HONG KONG

The Chinese University of Hong Kong
 Hong Kong, HONG KONG

PAPER #176

Serial Changes in Magnetic Resonance Imaging of Reconstructed Double-Bundle Anterior Cruciate Ligament 5 Years Postoperatively

Hideaki Fukuda, MD, Funabashi-Shi Chiba, JAPAN

Akihiro Tsuchiya, MD, Funabashi, Chiba, JAPAN
 Izumi Kanisawa, MD, Chiba, Chiba, JAPAN
 Kenji Takahashi, MD, Funabashi, Chiba, JAPAN
 Shigehiro Asai, MD, Tokyo, JAPAN
 Ichiro Yamaura, MD, Funabashi, Chiba, JAPAN

Funabashi Orthopaedic Hospital
 Funabashi, JAPAN

PAPER #178

Single-Bundle vs. Double-Bundle ACL Reconstruction: A Comparative 2-Year Follow-Up In Terms of Rotational Stability

Hermann Otto Mayr, MD, Prof., Munich, GERMANY

Anke Bernstein, MD, PhD, Freiburg, GERMANY
 Norbert P. Suedkamp, MD, PhD, Freiburg, GERMANY
 Amelie Stoehr, MD, Munich, GERMANY

Freiburg University Hospital
 Freiburg, GERMANY

PAPER #179

Experimental In-Vitro Study: Biomechanical Insight of Postero-Lateral Corner Lesions in Case of ACL Injury and Double-Bundle Reconstruction.

Tommaso Bonanzinga, MD, Bologna, ITALY

Stefano Zaffagnini, MD, Prof., Bologna, ITALY
 Nicola Francesco Lopomo, PhD, MSc Eng
 Bologna, ITALY
 Cecilia Signorelli, PhD, Bologna, BO, ITALY
 Giulio Maria Marcheggiani Muccioli, MD, Bologna, ITALY
 Alberto Grassi, MD, Bologna, ITALY
 Maria Pia Neri, Bologna, ITALY
 Maurilio Marcacci, MD, Bologna, ITALY

Istituto Ortopedico Rizzoli
 Bologna, ITALY

CONCURRENT SESSION: FORUM 2

16:00 – 16:30

SESSION: DOUBLE BUNDLE ACL
 RECONSTRUCTION

PAPER #180

Clinical Outcome After Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction in Patients Older Than Forty Years: Comparison Between Different Age Groups

Yusuke Nishio, MD, Tomakomai, Hokkaido, JAPAN

Eiji Kondo, MD, PhD, Sapporo, Hokkaido, JAPAN
 Jun Onodera, MD, PhD, Sapporo, Hokkaido, JAPAN
 Nobuto Kitamura, MD, PhD, Sapporo, Hokkaido, JAPAN
 Norimasa Iwasaki, MD, PhD, Sapporo, JAPAN
 Kazunori Yasuda, MD, PhD, Sapporo, Hokkaido, JAPAN

Hokkaido University
 Sapporo, Hokkaido, JAPAN

WEDNESDAY, JUNE 10, 2015 (CONT.)

CONCURRENT SESSION: FORUM 2

16:00–16:30

SESSION: DOUBLE BUNDLE ACL
RECONSTRUCTION (CONT.)

PAPER #181

Comparison of Laxity Match Pretension in Anatomic ACL Reconstruction: Twin Tunnel With Hamstring Tendon Graft vs. Rectangular Tunnel With Bone-Tendon-Bone Graft

Tatsuo Mae, MD, PhD, Suita, Osaka, JAPAN

Konsei Shino, MD, PhD, Osaka, JAPAN

Norinao Matsumoto, MD, PhD, Osaka, JAPAN

Yuta Tachibana, MD, Suita, Osaka, JAPAN

Hideki Yoshikawa, MD, PhD, Suita, Osaka, JAPAN

Ken Nakata, MD, PhD, Suita, Osaka, JAPAN

Osaka University

Suita, Osaka, JAPAN

PAPER #182

Radiographic Femoral Condyle Width Correlates to ACL Insertion Site Size

Christopher D. Murawski, BS, New York, NY, USA

Antonia F. Chen, MD, MBA, Philadelphia, PA, USA

Freddie H. Fu, MD, Pittsburgh, PA, USA

University of Pittsburgh

Pittsburgh, Pennsylvania, USA

PAPER #183

Effect of Graft Size on the Clinical Outcome of the Anatomic Double-Bundle Anterior Cruciate Ligament Reconstruction

Shigehiro Asai, MD, Tokyo, JAPAN

Akihiro Tsuchiya, MD, Funabashi, Chiba, JAPAN

Izumi Kanisawa, MD, Chiba, Chiba, JAPAN

Kenji Takahashi, MD, Funabashi, Chiba, JAPAN

Hiroki Sakai, MD, Funabashi-City, Chiba, JAPAN

Tomonori Nagamine, MD, Funabashi, Chiba, JAPAN

Takanori Akada, MD, Funabashi City, Chiba, JAPAN

Hideaki Fukuda, MD, Funabashi-Shi Chiba, JAPAN

Funabashi Orthopaedic Hospital

Funabashi, Chiba, JAPAN

CONCURRENT SESSION: FORUM 3

11:15–12:00

SESSION: HIP

PAPER #184

Patient-Centered Outcomes in Borderline Dysplastic Patients With Femoroacetabular Impingement Who Underwent Labral Repair and Treatment of Impingement

Kiyokazu Fukui, MD, PhD, Kahoku-Gun, JAPAN

Karen K. Briggs, MPH, Vail, CO, USA

Christiano A.C. Trindade, MD, Vail, CO, USA

Marc J. Philippon, MD, Vail, CO, USA

Steadman Philippon Research Institute

Vail, Colorado, USA

PAPER #185

Tensile Properties of the Human Acetabular Labrum and Hip Labral Reconstruction Grafts

Fernando Portilho Ferro, MD, Goiania, GO, BRAZIL

Marc J. Philippon, MD, Vail, CO, USA

Matthew T. Rasmussen, BS, Vail, CO, USA

Sean David Smith, MSc, Vail, CO, USA

Robert F. LaPrade, MD, PhD, Vail, CO, USA

Coen Abel Wijdicks, PhD, Munich, GERMANY

Steadman Philippon Research Institute

Vail, Colorado, USA

PAPER #186

Histological and Viability Evaluation of Chondral Flaps of Patients with Cam Type FAI

Cecilia Pascual-Garrido, MD, Boulder, CO, USA

Lori A. Nacius, PA, Boulder, CO, USA

Omer Mei-Dan, MD, Boulder, CO, USA

University of Colorado

Aurora, Colorado, USA

PAPER #187

Short-Term Postoperative Outcomes of Arthroscopic Surgery for Femoroacetabular Impingement in the Presence of Osteoarthritis

Hirota Nakashima, MD, Kitakyusyu, Fukuoka, JAPAN

Hajime Utsunomiya, MD, Kitakyushu, Fukuoka, JAPAN

Shinsuke Sakoda, MD, Kitakyusyu, Fukuoka, JAPAN

Akinori Sakai, Kitakyushu, Fukuoka, JAPAN

Soshi Uchida, MD, PhD, Kitakyushu, Fukuoka, JAPAN

Wakamatsu Hospital of the University of Occupational and Environmental Health

Kitakyusyu, Fukuoka, JAPAN

PAPER #188

Treatment of Acetabular Chondral Defects in Femoral Acetabular Impingement. Autologous Matrix Induced Chondrogenesis vs. Microfractures. A 5-Year Follow-Up Study

Andrea Fontana, MD, San Fedele D'intelvi, ITALY

Cof Lanzo Hpssital
Lanzo d'Intelvi, Como, ITALY

CONCURRENT SESSION: FORUM 3

13:30–14:00

SESSION: PATELLOFEMORAL JOINT

PAPER #190

Correlation Between Functional Quadriceps to Hamstring Ratio With Painful Daily Activities and Functional Outcomes in Patellofemoral Pain Syndrome

Hande Guney, PT, PhD, Ankara, TURKEY

Inci Yuksel, Prof., Ankara, TURKEY
Defne Kaya, MSc, PT, Ankara, TURKEY
Mahmut Nedim Doral, MD, Prof.
Ankara, Sihhiye, TURKEY

Hacettepe University Faculty of Health Sciences
Department of Physiotherapy and Rehabilitation
Ankara, TURKEY

PAPER #191

The Relationship of TT-TG Distance After Tibial Tubercle Medialization and PFOA

Jinzhong Zhao, MD, Shanghai, CHINA

Shanghai Sixth People's Hospital
Shanghai, CHINA

PAPER #192

Comparison of Bone Tunnel and Suture Anchor Patellar Fixation Techniques in Medial Patellofemoral Ligament (MPFL) Reconstruction

David R. Diduch, MD, MS, Charlottesville, VA, USA

Abdurrahman Kandil, MD, Charlottesville, VA, USA
Brian C. Werner, MD, Charlottesville, VA, USA
Sean Higgins, BS, Charlottesville, VA, USA
Scott Barbash, MD, Charlottesville, VA, USA
Mark David Miller, MD, Charlottesville, VA, USA

University of Virginia Health System
Charlottesville, Virginia, USA

PAPER #193

Tibial Tubercle–Midepicondyle Distance: A Factor Predicting Residual/Recurrent Patellar Instability After Medial Patellofemoral Ligament Reconstruction

Tomoya Iseki, MD, Nishinomiya, Hyogo, JAPAN

Hiroshi Nakayama, MD, Nishinomiya, Hyogo, JAPAN
Kaori Kashiwa, MD, Nishinomiya, Hyogo, JAPAN
Takatoshi Morooka, MD, Nishinomiya, Hyogo, JAPAN
Shunichiro Kambara, MD, Nishinomiya, Hyogo, JAPAN
Motoi Yamaguchi, MD, PhD, Kobe, Hyogo, JAPAN
Shinichi Yoshiya, MD, Nishinomiya, Hyogo, JAPAN

Hyogo College of Medicine
Nishinamiya, Hyogo, JAPAN

CONCURRENT SESSION: FORUM 3

16:30–17:00

SESSION: ACL RECONSTRUCTION

PAPER #194

Increased Risk of Revision for Femoral Fixation Endobutton Combined With Tibial Fixation BiosureHA After ACL Reconstruction—A Prospective Cohort Study from the Norwegian Knee Ligament Registry 2004–2013

Knut Fjeldsgaard, MD, Bergen, NORWAY

Andreas Persson, MD, Bergen, NORWAY
Asle B. Kjellsen, MD, Bergen, NORWAY
Lars Engebretsen, MD, PhD, Oslo, NORWAY
Birgitte Espehaug, Prof., Bergen, NORWAY
Jonas Fevang, MD, PhD, Bergen, NORWAY

Department of Orthopedic Surgery, Haukeland University Hospital
Bergen, NORWAY

PAPER #195

The Evaluation of Intra- and Extra-Articular Tension of the Graft During the Graft Fixation in Anterior Cruciate Ligament Reconstruction

Kanto Nagai, MD, Kobe, Hyogo, JAPAN

Ryosuke Kuroda, MD, PhD, Kobe, Hyogo, JAPAN
Yuichi Hoshino, MD, PhD, Kobe, Hyogo, JAPAN
Yuichiro Nishizawa, MD, PhD, Pittsburgh, PA, USA
Daisuke Araki, MD, PhD, Kobe, Hyogo, JAPAN
Shinya Oka, MD, PhD, Kobe, Hyogo, JAPAN
Naoki Nakano, MD, Kobe, Hyogo, JAPAN
Takehiko Matsushita, MD, Kobe, Hyogo, JAPAN
Tomoyuki Matsumoto, MD, PhD, Kobe, Hyogo, JAPAN
Koji Takayama, MD, PhD, Kobe, Hyogo, JAPAN
Kouki Nagamune, PhD, Fukui, Fukui, JAPAN
Masahiro Kurosaka, MD, Kobe, Hyogo, JAPAN

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Kobe, Hyogo, JAPAN

WEDNESDAY, JUNE 10, 2015 (CONT.)

CONCURRENT SESSION: FORUM 3

16:30–17:00

SESSION: ACL RECONSTRUCTION (CONT.)

PAPER #196

Is There a Higher Failure Rate of Allograft When Compared to Autograft in Anterior Cruciate Ligament Reconstruction: A Systematic Review of Overlapping Meta-Analyses

Rachel M. Frank, MD, Chicago, IL, USA

Randy Mascarenhas, MD

Winnipeg, MB, CANADA

Brandon Erickson, MD, Chicago, IL, USA

Eli Sayegh, BA, New York, NY, USA

Nikhil N. Verma, MD, Chicago, IL, USA

Brian J. Cole, MD, MBA, Chicago, IL, USA

Charles Bush-Joseph, MD, Chicago, IL, USA

Bernard R. Bach, Jr., MD, Chicago, IL, USA

Rush University

Chicago, Illinois, USA

PAPER #197

Is Bigger Always Better? The Influence of Quadruple Hamstring Autograft Size on Outcomes Following Anterior Cruciate Ligament Reconstructive Surgery

Fintan J. Shannon, FRCS (Tr/Orth), Galway, IRELAND

Gandhi Nathan Solayar, MB ChB BAO (HONS), BA

MRCSI, MCh, FRCSI (Tr&Orth)

Sydney, NSW, AUSTRALIA

University College Hospital Galway

Galway, County Galway, IRELAND

CONCURRENT SESSION: FORUM 3

17:00–17:30

SESSION: ACL RECONSTRUCTION

PAPER #198

Measuring Outcomes After Anterior Cruciate Ligament Reconstruction Using the Norwegian Knee Ligament Registry Of 4,691 Patients: How Does Meniscal Repair or Resection Affect Short-Term Outcomes?

Christopher M. LaPrade, BA, Vail, CO, USA

Steadman Philippon Research Institute

Vail, Colorado, USA

PAPER #199

Prediction of Semitendinosus-Gracilis Graft Diameter in Adolescents and Children

Maximiliano Espinosa, MD, Santiago, CHILE

Rafael Calvo, MD, Santiago, CHILE

David Figueroa, MD, Santiago, CHILE

Rafael Calvo, Santiago, CHILE

Facultad de Medicina Clínica

Alemana-Universidad del Desarrollo

Santiago, CHILE

PAPER #200

Single Bundle ACL Reconstruction Controls Both Anterior Translation and Internal Rotation During the Pivot Shift: Computer Navigation Study

Mark Darragh Porter, MD, DSc, FRACS, FAOA

Canberra, ACT, AUSTRALIA

Bruce Shadbolt, PhD, Canberra, ACT, AUSTRALIA

Barton Private Hospital and Calvary John James Hospital

Canberra, ACT, AUSTRALIA

PAPER #201

Relationships Between Femoral Tunnel Position and Dynamic Knee Function After ACL Reconstruction

Yuichiro Nishizawa, MD, PhD, Pittsburgh, PA, USA

Eric Thorhauer, BS, Pittsburgh, PA, USA

James J. Irrgang, PT, PhD, ATC, FAPTA

Pittsburgh, PA, USA

Freddie H. Fu, MD, Pittsburgh, PA, USA

Scott Tashman, PhD, Pittsburgh, PA, USA

University of Pittsburgh

Pittsburgh, Pennsylvania, USA



CONCURRENT SESSION: FORUM 1

10:00–10:30

SESSION: PEDIATRIC ACL RECONSTRUCTION

PAPER #202

Endobutton-Assisted Repair of Distal Biceps Tendon Ruptures in High-Performance Athletes.

Andreas Panagopoulos, Assoc. Prof., Patras, GREECE

Irini Tatani, MD, Patras, GREECE

Pantelis Tsoumpas, MD, Patra, GREECE

Antonios Theodor Kouzelis, MD, PhD

Rion, Patras, GREECE

Ioannis Triantafyllopoulos, MD

Maroussi, Attica, GREECE

Department of Sports Medicine,

Patras University Hospital

Patras, Achaia, GREECE

PAPER #203

Proximity of Lateral Critical Structures in All-Epiphyseal Outside-In Femoral Tunnel Drilling for Paediatric Anterior Cruciate Ligament Reconstruction

Kunal Kalra, MD, Detroit, MI, USA

Mark K. Lane, MD, Clawson, MI, USA

Jennifer Mutch, MDCM, MSc, FRCS

Montreal, QC, CANADA

Kaitlyn Ratkowiak, MSc

Madison Heights, MI, USA

Stephen E. Lemos, MD, PhD, Warren, MI, USA

Detroit Medical Center

Detroit, Michigan, USA

PAPER #204

Is Functional Movement Recovery Nine Months After Anterior Cruciate Ligament Reconstruction in Adolescent Patients Adequate for a Safe Return to Sport?

Kathryne Judith Stabile, MD, MS, Lititz, PA, USA

Matthew J. Boyle, BSc, MBChB, FRACS

Durham, NC, USA

Robert J. Butler, PhD, Durham, NC, USA

Robin M. Queen, PhD, Durham, NC, USA

Duke Sports Medicine, Department of Orthopaedic

Surgery, Duke University Medical Center

Durham, North Carolina, USA

PAPER #205

Does the Surgical Delay Before an Anterior Cruciate Ligament Reconstruction in Adolescents Affects the Quality of Life at a Minimum of 2 Year Follow-Up?

Guy Grimard, MD, Montreal, QC, CANADA

Marie-Lyne Nault, MD, PhD, Montreal, QC, CANADA

Laurence Ledoux, Student, Montreal, QC, CANADA

Peter Glavas, MD, Montreal, QC, CANADA

CHU Sainte-Justine

Montreal, Quebec, CANADA

CONCURRENT SESSION: FORUM 1

10:30–11:00

SESSION: THE ANTEROLATERAL LIGAMENT

PAPER #206

Concomitant Anterolateral Ligament Tear is Common but Does Not Influence the Early Clinical Outcomes of Anterior Cruciate Ligament Reconstruction Surgery

Jerry Chen, MBBS, MRCS (Edin), MMed (Ortho) Singapore, SINGAPORE

Yanrong Yong, MBBS, Singapore, SINGAPORE

Meng Ai Png, MBBS, FRCS, FAMS

Singapore, SINGAPORE

Tet-Sen Howe, FRCS, Singapore, SINGAPORE

Denny Tt. Lie, MBBS, FRCS, FAMS

Singapore, SINGAPORE

Joyce Koh, MD, Singapore, SINGAPORE

Lushun Wang, MBBS, MRCS, MMed

Singapore, SINGAPORE

Suraya Zainul-Abidin, MBS, MRCS

Singapore, SINGAPORE

Hwei Chi Chong, BSc, Singapore, SINGAPORE

Paul Chee Cheng Chang, MBBS, FRCS

Singapore, SINGAPORE

Singapore General Hospital

Singapore, SINGAPORE

PAPER #207

The Anterolateral Ligament Carries Load and Provides Stability in the ACL-Deficient Knee but Bears Minimal Load when the ACL is Intact

Ran Thein, MD, New York, NY, USA

Kyle Stone, MS, New York, NY, USA

James Boorman-Padgett, BS, New York, NY, USA

Mohammad Kia, PhD, New York, NY, USA

Danyal H. Nawabi, MD, FRCS (Orth), New York, NY, USA

Thomas L. Wickiewicz, MD, New York, NY, USA

Carl W. Imhauser, PhD, New York, NY, USA

Andrew D. Pearle, MD, New York, NY, USA

Hospital for Special Surgery

New York, New York, USA

PAPER #208

The Anterolateral Ligament Has a Significant Role On Rotatory Stability of the Knee

Mette Tavlo, MD, Copenhagen, DENMARK

Salameh Eljaja, MD, Copenhagen, DENMARK

Jørgen Trandum-Jensen, Prof., Copenhagen, DENMARK

Volkert Siersma, PhD, Copenhagen, DENMARK

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THURSDAY, JUNE 11, 2015

CONCURRENT SESSION: FORUM 1

10:30–11:00

**SESSION: THE ANTEROLATERAL LIGAMENT
(CONT.)**

PAPER #209

Diagnosis of Concomitant Anterolateral Ligament and Anterior Cruciate Ligament Injuries in the Knee: Is MRI a Valuable Tool?

**Brian M. Devitt, MD, FRCS
Melbourne, VIC, AUSTRALIA**

Nicholas Lash, FRCS, Vancouver, BC, CANADA
Julian A. Feller, FRACS, Melbourne, VIC, AUSTRALIA
Richard O'Sullivan, Prof., Melbourne, VIC, AUSTRALIA
Timothy S. Whitehead, MBBS, FRACS
Essendon, VIC, AUSTRALIA

Orthosports Victoria
Melbourne, Victoria, AUSTRALIA

CONCURRENT SESSION: FORUM 2

09:00–9:30

SESSION: ROTATOR CUFF

PAPER #210

The Effect of Concomitant Glenohumeral Joint Capsule Release During Rotator Cuff Repair: A Comparative Study of 195 Arthroscopic Rotator Cuff Repairs

**George A. Murrell, MD, PhD
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Jordan Mcgrath, MD, Sydney, NSW, AUSTRALIA
Martin Tan, MD, Sydney, NSW, AUSTRALIA
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St George Hospital, University of New South Wales
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PAPER #211

Tape vs. Suture—A Biomechanical Analysis in an Ovine Model and Post-Operative Outcomes in Arthroscopic Rotator Cuff Repair

Patrick H. Lam, PhD, Sydney, NSW, AUSTRALIA
Ruiwen Liu, MD, Sydney, NSW, AUSTRALIA
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Sydney, New South Wales, AUSTRALIA

PAPER #212

135° vs. 155° Humeral Head Inclination in Reverse Total Shoulder Arthroplasty: A Systematic Review

Rachel M. Frank, MD, Chicago, IL, USA

Brandon Erickson, MD, Chicago, IL, USA
Nathan Mall, MD, Chicago, IL, USA
Joshua David Harris, MD, Houston, TX, USA
Anthony A. Romeo, MD, Chicago, IL, USA

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Chicago, Illinois, USA

PAPER #213

Does Post-Operative PRP Injection Increase Healing Rate After Rotator Cuff Repair?

Francesco Franceschi, MD, PhD, Rome, ITALY

Rocco Papalia, MD, PhD, Prof, Rome, ITALY
Edoardo Franceschetti, MD, Roma, ITALY
Stefano Campi, MD, Rome, ITALY
Biagio Zampogna, MD, Rome, Italy, ITALY
Sebastiano Vasta, MD, Rome, ITALY
Nicola Maffulli, MD, PhD, MS, FRCS(Orth), London, UNITED KINGDOM
Vincenzo Denaro, MD, PhD, Prof., Roma, ITALY
Università Campus Biomedico, Roma, Italia, ITALY

CONCURRENT SESSION: FORUM 2

11:30–12:00

SESSION: ROTATOR CUFF & SHOULDER

PAPER #214

Clinical Outcomes of Arthroscopic Superior Capsule Reconstruction for Irreparable Rotator Cuff Tears Without Severe Osteoarthritis in the Glenohumeral Joint

Teruhisa Mihata, MD, PhD, Takatsuki, JAPAN

Chisato Watanabe, MD, PhD, Takatsuki, JAPAN
Kunimoto Fukunishi, MD, Takatsuki, JAPAN
Akihiko Hasegawa, MD, PhD, Takatsuki, JAPAN
Yasuo Itami, MD, Takatsuki, JAPAN
Munekazu Doi, MD, PhD, Takatsuki, JAPAN
Mutsumi Ohue, MD, Takatsuki, JAPAN
Masashi Neo, MD, PhD, Prof., Takatsuki, JAPAN

Osaka Medical College
Takatsuki, Osaka, JAPAN

PAPER #215

Effect of Fatty Degeneration of the Infraspinatus on the Efficacy of Arthroscopic Patch Autograft Procedure for Large to Massive Rotator Cuff Tears

Daisuke Mori, MD, Kyoto, JAPAN

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PAPER #216

Arthroscopic Treatment for Frozen Shoulder in Hashimoto Thyroiditis A Pilot Study

Rocco Papalia, MD, PhD, Prof., Rome, ITALY

Francesco Franceschi, MD, PhD, Rome, ITALY

Lorenzo Alirio Diaz Balzani, MD, Rome, ITALY

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PAPER #217

Two-Year Outcomes Following Biologic Patch Augmentation for the Treatment of Massive Rotator Cuff Tears

Maximilian Petri, MD, Vail, CO, USA

Ryan J. Warth, MD, Vail, CO, USA

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- 1205** **Autograft Soaking in Vancomycin Reduces the Risk of Infection After Anterior Cruciate Ligament Reconstruction**
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| <p>1701 Factors Affecting Cartilage Repair After Opening Wedge High Tibial Osteotomy for Patients With Osteoarthritis of the Knee <i>Ken Kumagai, MD, Yokohama, JAPAN</i></p> <p>1702 Distal Femoral Varus Osteotomy: Clinical and Radiographic Evaluation of 91 Patients in the Medium and Long Term <i>Danilo Bruni, MD, Bologna, ITALY</i></p> <p>1703 Factors Associated With the Discrepancy Between Preoperative Plan and Postoperative Alignment in Closed Wedge High Tibial Osteotomy <i>Hyuk-Soo Han, MD, PhD, Seoul, KOREA</i></p> <p>1704 Does Patellofemoral Osteoarthritis Influence on Functional Outcomes After Opening Wedge HTO? <i>Jong-Keun Seon, MD, PhD Hwasun, Jeonnam, KOREA</i></p> <p>1705 The Ability of High Tibial Osteotomy to Improve Function and Delay Total Knee Replacement in Patients With Medial Compartment Knee Osteoarthritis <i>David Anthony Parker, MBBS, BMedSci, FRACS Sydney, NSW, AUSTRALIA</i></p> <p>1706 Closing Wedge vs. Opening Wedge Technique in High Tibial Osteotomy Comparison of Proximal Tibia Deformity <i>Umito Kuwashima, MD, Fukuoka, JAPAN</i></p> | <p>1707 Sagittal Inclination of Osteotomy in the Medial Open-Wedge High Tibial Osteotomy: Frequency of the Anterior-Inclined Osteotomy and Its Influence on the Posterior Tibial Slope <i>Jung-Ro Yoon, MD, PhD, Seoul, KOREA</i></p> <p>1708 Comparison of Results in HTO According to Presence of Kissing Lesions <i>Beom-Jung Kim, MD, Deagu, KOREA</i></p> <p>1709 Femoral Derotation Osteotomies in Adults for the Treatment of Version Abnormalities <i>Robert Leon Buly, MD, MS, New York, NY, USA</i></p> <p>1710 Conventional Plate Fixation vs. PEEK Intraosseous Implants in Proximal Tibial Osteotomy <i>Jeffrey Macalena, MD, Minneapolis, MN, USA</i></p> <p>1711 Novel Classification of Medial Compartment Osteoarthritis Based on Mechanical Alignment <i>Miten Rajendra Sheth, MS, DNB Mumbai, Maharashtra, INDIA</i></p> <p>1712 Effect of the Osteotomy Degree on the Change of the Posterior Tibial Slope With the Natural Distraction of the Gap in the Open Wedge High Tibial Osteotomy <i>Yong Seuk Lee, MD, PhD, Prof. Seongnam, Kyung-gi, KOREA</i></p> <p>1713 Differences in Alternative Strategies of Preoperative Planning for High Tibial Osteotomy <i>David W. Elson, MBChB, MRCS, FRCS (T&O) Stone, Staffordshire, UNITED KINGDOM</i></p> |
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- 1714** **Total Knee Arthroplasty After High Tibial Osteotomy: A Comparison of Opening and Closing Wedge Osteotomy**
Ricardo Pinheiro Bastos Filho, MD, PhD, Prof.
Rio de Janeiro, BRAZIL
- 1715** **Trends in High Tibial Osteotomy and Knee Arthroplasty Utilizations and Demographics in Korea from 2009 to 2013**
In Jun Koh, Prof., Seoul, Seoul, KOREA
- 1716** **Return to Sport After Valgus Osteotomies for Medial Femoro-Tibial Osteoarthritis: Results of a Series of 83 Patients**
Dominique Saragaglia, Prof., Grenoble, FRANCE
- 1717** **High Tibial Osteotomy–Radiographic Analysis Comparing Navigated and Conventional Techniques**
Timothy S. Whitehead, MBBS, FRACS
Essendon, VIC, AUSTRALIA
- 1718** **Comparison of Results of Medial Opening-Wedge High Tibial Osteotomy With and Without Subchondral Drilling**
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- 1719** **Patinet-Reported Outcomes After High Tibial Osteotomy and Unicompartmental Arthroplasty**
Yuichiro Kii, Sapporo, Hokkaido, JAPAN
- 1720** **Change of Medial Laxity in Medial Opening Wedge High Tibial Osteotomy**
Seung-Suk Seo, MD, PhD, Busan, KOREA
- 1721** **Safety & Efficacy of a Novel Focal Posteromedial Opening Wedge High Tibial Osteotomy Autograft from the Distal Femoral Metaphysis**
Christopher John Vertullo, MBBS, FRACS (Orth)
FAOrthA, Gold Coast, QLD, AUSTRALIA
- 1722** **Correction Accuracy in Medial Opening Wedge High Tibial Osteotomy Using Preoplan Software**
David W. Elson, MBChB, MRCS, FRCS (T&O)
Stone, Staffordshire, UNITED KINGDOM
- 1723** **Second-Look Arthroscopic Assessment of Articular Cartilage Change After Medial Opening-Wedge High Tibial Osteotomy and Operative Complication Rate**
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Toyohama-Cho Kanonji, Kagawa JAPAN
- 1724** **Proximal Tibial Anterior Open Wedge Oblique Osteotomy for the Treatment of Genu Recurvatum**
Tae Woo Kim, MD, Seoul, KOREA
- 1725** **Effect of Medial Opening Wedge High Tibial Osteotomy on Intraarticular Knee and Ankle Contact Surface Pressures**
Eduardo M. Suero, MD, Hannover, GERMANY
- 1726** **Limitation of the High Tibial Osteotomy (HTO) and Indication of the Double Osteotomy**
Satomi Abe, MD, Asahikawa, Hokkaido, JAPAN
- 1727** **Accuracy of Correction in Medial Opening Wedge High Tibial Osteotomy Using the Miniaci Method**
David W. Elson, MBChB, MRCS, FRCS (T&O)
Stone, Staffordshire, UNITED KINGDOM
- 1728** **The Importance of Complete Osteotomy at the Anterolateral Connection During Biplanar High Tibial Osteotomy**
Woonhwa Jung, MD
Changwonsi, Gyeongnam, KOREA

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- 1801** **The Radiological Work Up of Patients With Patellar Femoral Pathology: Should the TT-TG Distance be Measured on MRI and What is its Relationship to the TT-PCL Distance?**
Cameron Michael Anley, MBChB, M Med (Ortho)
Paarl, Western Cape, SOUTH AFRICA



KNEE – PATELLOFEMORAL

- 1901** **Is Tibial Tuberosity-Trochlear Groove Distance Was Highly Affected by Tibial Tubercle Lateralization With Patellar Instability?**
Keiji Tensho, MD, PhD
Matsumoto, Nagano, JAPAN
- 1902** **Patellar Tendinopathy: Hyaluronan Injection Therapy**
Gian Luigi Canata, MD, Torino, ITALY
- 1903** **Cortical Button Suspensory Fixation: A Better Patellar Tendon Repair?**
Gabriella Ode, MD, Charlotte, NC, USA
- 1904** **Relationship Between Three-Dimensional Patellar Shift and Tilt in Patients With Recurrent Dislocation of the Patella**
Yuzo Yamada, MD, PhD, Osaka, JAPAN

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- 1905** **Trochlear Dysplasia-Congenital Anomaly or Biomechanical Development**
Zlatko Temelkovski, MD, PhD
Skopje, MACEDONIA
- 1906** **Active Patellar Apprehension Test for Lateral Patellar Instability**
Jae Doo Yoo, Prof., MD, PhD, Seoul, KOREA
- 1907** **Assessing Patellar Instability: Relating Tibial Tubercle Trochlear Groove Distance to Patient Specific Anatomy**
Christopher L. Camp, MD, Rochester, MN, USA
- 1908** **Comparison of Immobilisation Methods in Paediatric First-Time Patella Dislocators**
Kai Yet Lam, MBBS, MRCS, MMed(Orth), FRCS
Singapore, SINGAPORE
- 1909** **Patella Luxation With Large Chondral Fracture**
Libor Paša, Assoc. Prof., MD, PhD
Brno, CZECH REPUBLIC
- 1910** **Hoffa's Disease Treated Arthroscopically: Partial Resection vs. Total Resection**
Yong-Bum Joo, MD, PhD, Daejeon, KOREA
- 1911** **Longitudinal Change of Medial and Lateral Patellar Stiffness After Reconstruction of the Medial Patellofemoral Ligament in Patients With Recurrent Patellar Dislocation**
Nobuyuki Kumahashi, MD, PhD
Izumo, Shimane, JAPAN
- 1912** **Lateral Facetectomy: To Relieve Anterolateral Patellar Pain-To Do or Not To Do?**
Sheethal Prasad Patange Subba Rao, MBBS
MRCS(Eng), Dip in Ortho Engineering
Cardiff, Wales, UNITED KINGDOM
- 1913** **Symptoms and Function in Patients With Chronic Lateral Patella Dislocation**
Truls Martin Straume-Næsheim, MD, PhD
Lillestrøm, NORWAY
- 1914** **Recurrent Patellar Dislocation Secondary to Severe Trochlear Dysplasia Treated With Trochleoplasty. Case Series**
Cristian Godoy, MD, Viña Del Mar, CHILE
- 1915** **Patellar Osteochondral Autograft and Medial Patellofemoral Ligament Reconstruction in Patellar Dislocation**
Ximena Ahumada, MD, Santiago, CHILE
- 1916** **Lower Extremity Rotational Profile and Parameters of Patellofemoral Alignment in Patients With Chronic Unilateral Anterior Knee Pain—A CT Study**
Ahmet Bayar, Assoc. Prof., Zonguldak, TURKEY
- 1917** **Patella Stabilization Creates a More Congruous Joint Throughout Knee Movement**
Damian Ashley Clark, FRCS
Bristol, UNITED KINGDOM
- 1918** **Orientation of The Trochlear Groove**
Pieter Jordaen Erasmus, MBChB, MMed
Stellenbosch, Western Cape, SOUTH AFRICA
- 1919** **Prospective Clinical and Radiological Two-Year Results After Inlay and Onlay Patellofemoral Arthroplasty**
Matthias Cotic, MSc, Munich, Bavaria, GERMANY
- 1920** **Biomechanical Evaluation of MPFL Reconstructions: Differences in Dynamic Contact Pressure Between Gracilis and Fascia Lata Graft**
Olaf Lorbach, MD, PhD
Homburg, GERMANY
- 1921** **Medial Patellofemoral Ligament Reconstruction Femoral Tunnel Accuracy: Relationship to Disease-Specific Quality of Life**
Laurie Anne Hiemstra, MD, PhD, FRCSC
Banff, AB, CANADA
- 1922** **Factors Associated With Grade 4 Chondral Defects of the Patellofemoral Joint**
Karen K. Briggs, MPH, Vail, CO, USA
- 1923** **Isolated Patellofemoral Arthritis Treated With a Resurfacing Inlay Implant Outcomes at a Minimum Two Years Follow Up**
Lisandro Carbó, MD
Bella Vista, Buenos Aires, ARGENTINA
- 1924** **How Does Patellofemoral Arthroplasty (PFA) Alter Trochlea Anatomy? A Comparison of 5 Commercially Available Systems**
Rael Salkinder, MBChB, FC Orth (SA)
Cape Town, WC, SOUTH AFRICA
- 1925** **Use of the COSMIN Guidelines in the Development of a Disease-Specific Patellofemoral Instability Outcome Measure**
Laurie Anne Hiemstra, MD, PhD, FRCSC
Banff, AB, CANADA
- 1926** **Assessment of Brain Activity in Patients With Medial Patellofemoral Ligament Deficiency- Functional Magnetic Resonance Imaging Study**
Masaru Kadowaki, MD, Izumo, Shimane, JAPAN

- 1927 Investigation of Definition, Clinical Diagnosis and Treatment for Patients With Patellofemoral Pain Syndrome**
Mazen Mohammed Alkasem, PhD
Salford, Greater Manchester
UNITED KINGDOM
- 1928 Validation of the Spanish Version of the Kujala Anterior Patellofemoral Pain Scale**
Juan Pablo Martinez, MD, MSc
Cali, Valle del Cauca, COLOMBIA
- 1929 Low Risk of Physeal Damage from a Medial Patellofemoral Ligament (MPFL) Reconstruction Technique that Uses an Epiphyseal Femoral Socket in Children**
Daniel W. Green, Prof., New York, NY, USA
- 1930 Mid-Term Functional and Radiological Results of a Prospective Study using Oxinium Journey® Patello-Femoral Arthroplasty**
Sheethal Prasad Patange Subba Rao, MBBS, MRCS(Eng), Dip in Ortho Engineering
Cardiff, Wales, UNITED KINGDOM
- 1931 Arthroscopic Lateral Facetectomy for Patellofemoral Osteoarthritis**
Rafael Vega, MD, Santiago, CHILE
- 1932 Degenerative Cartilage Change of Patellofemoral Joint After Anterior Cruciate Ligament Reconstruction**
Sang Hak Lee, MD, PhD, Seoul, KOREA

KNEE–PCL

- 2001 Clinical Outcome After PCL Support Bracing Treatment for Patients With Acute Posterior Cruciate Ligament Injury**
Sinan Said, MD, Viborg, DENMARK
- 2002 Posterior Cruciate Ligament Injuries Treated by Less Rigid Immobilization and Protective Exercises**
Kou Suzuki, MD, Hakodate-Shi, Hokkaido, JAPAN
- 2003 Flexion Laxity in Isolated Posterior Cruciate Ligament Injured Knee Correlate With the Result of Conservative Treatment**
Yasukazu Yonetani, MD, PhD
Suita, Osaka, JAPAN
- 2004 Arthroscopic Fixation of Tibial Avulsion Fractures of the Posterior Cruciate Ligament Using Double Cortical Buttons From Anterior Approach**
Yu Dang, MD, Beijing, CHINA
- 2005 Comparison of the Clinical Results of Three Techniques of Arthroscopic Posterior Cruciate Ligament Augmentation**
Zhiyao Li, MD, Beijing, CHINA
- 2006 The Predictive Effect of Anatomic Femoral and Tibial Graft Tunnel Placement in All-Inside Tibial-Inlay Posterior Cruciate Ligament Reconstruction on Medium-Term Functional and Radiological Outcome**
Michael Osti, MD, Feldkirch, AT, AUSTRIA
- 2007 Simultaneous Double-Bundle "All Inside" Posterior Cruciate Ligament and Anterior Cruciate Ligament Reconstruction: 2 Years Follow Up**
Hernan Galan, MD, Rosario, ARGENTINA
- 2008 Knee Joint Function in Patients After Successful PCL Reconstruction With a Minimum of 5 Year Follow-Up**
Tobias Maximilian Jung, MD, Berlin, GERMANY
- 2009 Prospective Analysis of Treatment Outcome of Posterior Cruciate Ligament Reconstruction Using a Patient-Based Health-Related Scale: Comparison With Anterior Cruciate Ligament Reconstruction**
Satoshi Ochiai, MD, PhD
Kofu, Yamanashi, JAPAN
- 2010 The Use of All-Inside Technique for Primary Isolated PCL Reconstruction: Preliminary Results**
Piero Volpi, MD, Rozzano, ITALY
- 2011 Changes in Cross-Sectional Area of the Human Posterior Cruciate Ligament During Knee Motion**
Masataka Fujii, MD, PhD, Nihama, JAPAN
- 2012 Quantifiable Imaging Biomarkers for Evaluation of the PCL Using 3T MRI: A Feasibility Study**
Charles P. Ho, MD, PhD, Vail, CO, USA
- 2013 Transmedial 'All-Inside' Posterior Cruciate Ligament Reconstruction Using a Reinforced Tibial Inlay Graft: A Case Series**
Sam K. Yaseen, MBBS, BSc, MSc Eng, MRCS
FRCS Tr & Orth, PGCE
Basingstoke, UNITED KINGDOM
- 2014 PCL-Combined Knee Injuries in a Population of Over 100 Patients: Epidemiology, Diagnosis and Treatment Algorithm**
Romain Rousseau, MD, Paris, FRANCE
- 2015 Tunnel Volume Enlargement After Posterior Cruciate Ligament Reconstruction: Comparison of Achilles Allograft vs. Mixed Graft**
Kyung Wook Nha, Prof.
Goyangsi, Gyeonggido, KOREA
- 2016 MRI Pre-Operative Planning of Tibial Tunneling in Posterior Cruciate Ligament Reconstruction**
Robson Souza Santos, MD
Feira De Santana, Bahia, BRAZIL

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- 2101 Stress Pattern in Glenohumeral Capsule According to Shoulder Movement**
Yon-Sik Yoo, MD, PhD, Gyeonggi-Do, KOREA
- 2102 Reverse Total Shoulder Arthroplasty for the Treatment of Osteoarthritis Without Radiographic Rotator Cuff Tear: A Case Control Study**
Peter Chalmers, MD, Chicago, IL, USA
- 2103 Adhesive Capsulitis of the Shoulder: Is the Rotator Interval Histology Different from the Rest of the Capsule? Case Series of Circumferential Capsular Biopsies**
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Buenos Aires, ARGENTINA
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Yu Bai, MD
Guangzhou Zengcheng, Guangdong, CHINA
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Cheongju, Chungbuk, KOREA
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Neil Jain, BM, MRCS Ed, FRCS Tr & Orth
Manchester, UNITED KINGDOM
- 2107 Long-Term Results Following Scapulothoracic Bursectomy and Bone Resection in the Lateral Decubitus Position for Snapping Scapula Syndrome**
Neil Jain, BM, MRCS Ed, FRCS Tr & Orth
Manchester, UNITED KINGDOM
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Yusuke Iwahori, MD, Nagakute, Aichi-ken, JAPAN
- 2109 Asymmetry of Muscles Rotating Strength the Shoulder in Healthy Persons and Volleyball Players**
Tomasz Jurkiewicz, Msc, PT, Warsaw, POLAND
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Jouni T. Heikkilä, MD, PhD, Asst. Prof.
Turku, FINLAND
- 2111 Neuromuscular Upper Limb Training Significantly Reduces Major Shoulder Injury Rate in Elite Rugby League Players**
John Joseph Maguire, FRACS
Townsville, QLD, AUSTRALIA
- 2112 Posterior Shoulder Capsules Elasticity Negatively Correlates With Glenohumeral Internal Rotation**
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Seville, Andalucia, SPAIN
- 2114 What is the Optimal Dose of Corticosteroid Injected in Shoulder Stiffness?**
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Justin R. Knight, MD, Hollywood, FL, USA
- 2116 The Swimmer's Shoulder: Suprascapular Neuropathy as a Cause and Results After Arthroscopic Treatment**
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Seville, Andalucia, SPAIN
- 2117 The Limitations and Recovery Pattern of Range of Motion With Idiopathic Frozen Shoulder—51 Cases**
Kengo Kirimura, MD
Hamamatsu, Shizuoka, JAPAN
- 2118 A Finite Element Model Measuring the Mechanical Trade-Offs of Changing Centers of Rotation in Reverse Shoulder Arthroplasty**
Carolyn Hettrich, MD, MPH, Iowa City, IA, USA
- 2119 Configuration of Rotator Interval During Throwing Motion**
Yuji Hiroshima, MD, Tatsuno, Hyogo, JAPAN
- 2120 Anatomical Study of the Feasibility of the Pectoralis Minor Transfer for Irreparable Subscapular Tear**
Constantina Moraiti, MD, PhD, Paris, FRANCE
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Yon-Sik Yoo, MD, PhD, Gyeonggi-Do, KOREA
- 2122 Long-Term Clinical and Radiological Results Following Arthroscopic Reconstruction of Isolated Subscapularis Tears: Preliminary Results**
Gernot Seppel, MD, Munich, GERMANY
- 2123 Biomechanical Analysis of Translational- and Rotational-Loading on the 3D Motion of the Acromioclavicular Joint**
Knut Beitzel, MD, MA
Munich, Bavaria, GERMANY

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- 2313 Arthroscopic Latarjet Surgery: A New Fixation Technique; Simple, Accurate and Original**
Sanjay Anil Garude, MS, MCh, DNB Orth
Mumbai, Maharashtra, INDIA
- 2314 Long-Term Results After Open Bankart-Repair and Capsular Shift for Recurrent Posttraumatic Anterior Shoulder Instability**
Thomas Kappe, MD, Ulm, GERMANY
- 2315 Arthroscopic Latarjet: Is the Trans-Pec Portal Safe? An Anatomic Study and Description of a Safe Zone for the Clinician**
Albert Dunn, DO, Cos Cob, CT, USA
- 2316 Arthroscopic Bankart Repair: Minimum 10-Year Follow-Up With Emphasis on Survivorship**
Stephen C. Weber, MD, Sacramento, CA, USA
- 2317 Enlargement of Glenoid Defects in Traumatic Anterior Shoulder Instability: Influence of the Number of Recurrences and Type of Sport**
Shigeto Nakagawa, MD, Osaka, JAPAN

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Charles A. Roth, MD, Gulf Breeze, FL, USA
- 2402 Are the Symptoms of Calcific Tendonitis Due to Neoinnervation and/or Neovascularisation?**
George A. Murrell, MD, PhD
Sydney, NSW, AUSTRALIA
- 2403 Biodegradable Inflatable Spacer as a Novel Treatment for Massive Rotator Cuff Tears: Prospective Multi-Center Study**
Eran Maman, MD, Tel Aviv, ISRAEL
- 2404 Association of the Scapular Morphology With Degenerative Rotator Cuff Tears: Prospective Study**
Vivek Pandey, MBBS, MS Ortho
Udupi, Karnataka, INDIA
- 2405 Rotator Cuff Activation Varies With Core Stability—An EMG Analysis**
Wataru Morita, MD, MSc, Tokyo, JAPAN
- 2406 Graft Utilization in the Repair of Large-to-Massive Rotator Cuff Tears: A Systematic Review**
Matthew Lewington, MD, FRCSC
Halifax, NS, CANADA
- 2407 Evaluation of Temporal Changes in Rotator Cuff Integrity With MRI After Arthroscopic Rotator Cuff Repair**
Mitsuhiro Enomoto, MD
Koshigaya, Saitama, JAPAN
- 2408 Functional and Structural Outcomes of Double-Row vs. Combined Double-Row and Suture-Bridge Repair for Rotator Cuff Tears**
Jose-Ramón Muiña Rullan, MD, Madrid, SPAIN
- 2409 Is Acromioplasty Necessary? A Systematic Review of the Literature**
Filippo Familiari, MD, Catanzaro, ITALY
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Hamamatsu, Shizuoka, JAPAN
- 2411 Clinical Outcomes and Structural Integrity of the Anterosuperior Rotator Cuff Tear After Arthroscopic Repair: In Continuity vs. Disrupting the Tear Margin Between Subscapularis and Supraspinatus**
Yong-Min Chun, MD, PhD, Seoul, KOREA
- 2412 Conventional En Masse Repair and Separate Double Layer Repair for Delaminated Tear of Rotator Cuff—Prospective Comparison Study**
Hyo-Jin Lee, MD, Prof., Seoul, KOREA
- 2413 Does Coracohumeral Ligament Release Improve Postoperative Stiffness Following Arthroscopic Rotator Cuff Repair? A Prospective Randomized Study**
Jiwu Chen, MD, PhD, Shanghai, CHINA
- 2414 Quality of Life Measurers After Full Thickness Rotator Cuff Repair: A Systematic Literature Review and Meta-Analysis**
Navin Gurnani, MD, De Meern, NETHERLANDS
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Takeshi Kokubu, MD, PhD, Kobe, JAPAN

- 2416 Rotator Cuff Tears After 70 Years: A Prospective, Randomized, Comparative Study Between Decompression and Arthroscopic Repair, About 154 Patients Aged 70 Years or More**
Pierre-Henri Flurin, MD, Merignac, FRANCE
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Sydney, NSW, AUSTRALIA*
- 2418 Prospective Randomized Trial Comparing Location of Steroid Injections After Arthroscopic Rotator Cuff Repair**
Hyo-Jin Lee, MD, Prof., Seoul, KOREA
- 2419 Correlation of Promis Physical Function Cat With Constant Shoulder, Ases and Reaching Task Kinematic Analysis in Patients Who Have Undergone Rotator Cuff Repair Surgery**
Michael D. Maloney, Rochester, NY, USA
- 2420 Biomechanical Study Comparing Three Different Methods of "Double-Row Suture-Bridge" Rotator Cuff Repair**
*W.P. Yau, MBBS, FRCS, FHKCOS
Hong Kong, HONG KONG*
- 2421 Factors Related to Improved Quality of Life for Patients Treated for Rotator Cuff Tears**
Bruce S. Miller, MD, MS, Ann Arbor, MI, USA
- 2422 Change in the Pennation Angle of the Supraspinatus Muscle After Rotator Cuff Repair**
Ikuta Hayashi, MD, Yonago, Tottori, JAPAN
- 2423 Does Anchor Type, Anchor Material or Suture Configuration Affect the Clinical Outcome of Rotator Cuff Repair? Analysis from the New Zealand Rotator Cuff Registry**
*Matthew John Brick, MD, FRACS
Auckland, NEW ZEALAND*
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Bruce S. Miller, MD, MS, Ann Arbor, MI, USA
- 2425 Limitations of Arthroscopic Modified Tension Band Suture Technique in Full Thickness Rotator Cuff Tear**
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- 2426 Arthroscopic Transosseous Rotator Cuff Repair is Cost Effective Compared to Anchored Technique**
Uma Srikumaran, MD, Columbia, MD, USA
- 2427 The Effect of Myotendinous Retraction on Arthroscopic Repairability and Repair Integrity After Arthroscopic Rotator Cuff Repair**
*Katsutoshi Miyatake, MD, PhD
Komatsushima, Tokushima, JAPAN*
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- 2429 A Modified Suture Bridge Technique for a Marginal Dog Ear Deformity Improves Structural Integrity After Rotator Cuff Repair**
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Stefano Petrillo, MD, Rome, ITALY
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- 2435 The Application of Fixing-to-Suture-Base Technique in Rotator Cuff Repair With Regional Osteoporosis**
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- 2436 Clinical Outcomes After Arthroscopic Rotator Cuff Repair in Patients Aged Over 65 Years Old**
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- 2438 Does Post-Operative PRP Injection Increase Healing Rate After Rotator Cuff Repair?**
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SPINE

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SPORTS MEDICINE

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Yoshihiro Kotoura, MD, Kyoto, JAPAN
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Hiroaki Kijima, MD, PhD, Akita, JAPAN
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Neil Jain, BM, MRCS Ed, FRCS Tr & Orth
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- 2607 Hip Range of Motion Correlates With Kinematic Variables Related to Elbow Valgus Torque in Baseball Pitchers**
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- 2608 Injuries Can be Prevented in Contact Flag Football!**
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- 2609 How Does Functional Soccer Training on Uneven Ground Affect Dynamic Stability of Lower Limbs in Young Soccer Players**
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- 2610 Reference Body Weight Values in Four Common Sport Activities**
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- 2616 Comparison of Tensiomyographic Characteristics Between Muscles of the Dominant and Non-Dominant Lower Extremity in Male Soccer Players**
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- 2617 Injury Incidence in a Greek Sub-Elite Professional Football Team; A Comparative Epidemiology Study**
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- 2618 BMP4 and FGF3 Haplotypes Increase the Risk of Tendinopathy in Volleyball Athletes**
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| Lee, Myung Chul | Nothing to Disclose |
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| Thompson, Simon M. | Nothing to Disclose |
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| Verma, Nikhil N. | 1. Smith & Nephew; 2. Smith & Nephew; 3b. Smith & Nephew, MinInvasive; 4. Omeros; 5. Smith & Nephew, Arthrex, Arthroscopy; 7. SLACK; 8. Arthroscopy Journal, Journal of Knee Surgery; 9. Midwest Orthopaedics at Rush |
| Vertullo, Christopher John | 2. Zimmer, Smith & Nephew; 8. Journal of Orthopaedics; 9. Australian Knee Society, Knee Research Australia, Pindara Day Surgery, Qld Branch Australian Orthopaedic Association |

DISCLOSURES

| | |
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| Villar, Richard N. | 3b. Smith & Nephew Endoscopy; 8. The Bone and Joint Journal, Journal of Hip Preservation Surgery |
| Vince, Kelly George | 1. Zimmer; 2. Zimmer; 3b. Zimmer; 8. The Knee |
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| Johnson, Michele | Nothing to Disclose |
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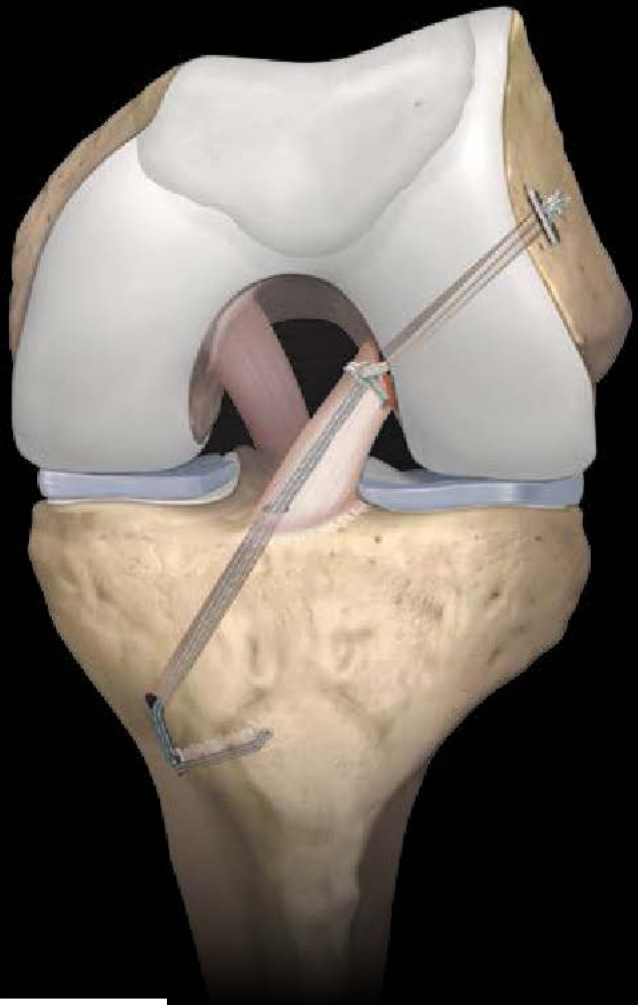
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