9TH BIENNIAL
ISAKOS
CONGRESS
2013
MAY 12–16, 2013
TORONTO, CANADA

Preliminary Program

www.isakos.com/2013congress
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<thead>
<tr>
<th>TIME</th>
<th>SATURDAY, MAY 11</th>
<th>SUNDAY, MAY 12</th>
<th>MONDAY, MAY 13</th>
<th>TUESDAY, MAY 14</th>
<th>WEDNESDAY, MAY 15</th>
<th>THURSDAY, MAY 16</th>
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<td>08:00</td>
<td>Welcome Reception Exhibit Hall 17:00–19:30</td>
<td>Opening Ceremony 08:00–09:30</td>
<td>ISAKOS Business Meeting I – Members Only 09:00–10:00 General Session</td>
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## Agenda

### Sunday, May 12, 2013

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<tr>
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<tr>
<td>08:00–17:00</td>
<td>SPORTS REHABILITATION CONCURRENT COURSE See pages 14–17 for more info</td>
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<tr>
<td>12:00–13:30</td>
<td>LUNCHTIME LECTURES, WORKSHOPS AND SURGICAL DEMONSTRATIONS (See <a href="http://www.isakos.com">www.isakos.com</a> for more info)</td>
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### GENERAL SESSION

**OPENING CEREMONY**
- AANA Partner Society Presentation
- APOSSM Partner Society Presentation

**TOTAL KNEE REPLACEMENT**
- **Symposia**: Painful Total Knee Replacement: Diagnosis and Indications for Revision
  **Chair**: Willem van der Merwe, MBChB, FCS, SA Ortho SOUTH AFRICA
- **Paper Presentations**
- **Live Surgical Demonstration**: Total Knee Replacement with a Focus on Triathlon and Otismed Shapefit Patient Specific Instrumentation
  **Faculty To Be Determined**
  **Sponsored by**: Stryker

**ACL RECONSTRUCTION**
- **Symposia**: Single and Double Bundle ACL Reconstruction with Remnant Tissue
  **Chair**: Kazunori Yasuda, MD, PhD JAPAN
- **Paper Presentations**
- **Live Surgical Demonstration**: Anatomic ACL Reconstruction
  **Freddie Fu, MD USA**
  **Sponsored by Smith & Nephew**

### CONCURRENT SESSION #2

**SHOULDER DISLOCATION**
- **Live Surgical Demonstration**: Management of Anterior Instability – the Anatomic Approach
  **Dinshaw Pardiwala, MS (Orth), DNB (Orth), FCPS INDIA**
  **Sponsored by DePuy Mitek**
- **Paper Presentations**
- **Symposia**: Treatment Options for First Time Shoulder Dislocation
  **Chair**: Jose Huylenbroek, MD BELGIUM

**ROTATOR CUFF**
- **Live Surgical Demonstration**: Single Bundle Rotator Cuff Repair
  **Felix Savoie III, MD USA**
  **Sponsored by DePuy Mitek**
- **Live Surgical Demonstration**: New Techniques in Rotator Cuff Repair
  **Stephen Burkhart, MD USA**
  **Sponsored by Arthrex**

**ROTATOR CUFF–TENDINOSIS, IMPINGEMENT & RUPTURES**
- **Symposia**: Rotator Cuff: Rethinking Tendinosis, Impingement and Ruptures
  **Chair**: Guillermo Arce, MD ARGENTINA
- **Special Event**: Upper Extremity Travelling Fellowships
  **Chair**: Guillermo Arce, MD ARGENTINA

### CONCURRENT SESSION #3

**CARTILAGE REPAIR**
- **Symposia**: Middle and Long-Term Clinical Outcomes of Cell Therapies for Cartilage Injuries
  **Chair**: Lars Peterson, MD, PhD, Professor SWEDEN
- **Paper Presentations**

**EVIDENCE BASED TREATMENT**
- **Symposia**: Evidence Based Treatment of Collateral Ligaments
  **Chair**: Robert LaPrade, MD, PhD USA
- **Paper Presentations**: Scientific Award Finalist Presentations
  **Robert Marx, MD, MSc, FRCS USA**

**ANKLE**
- **Live Surgical Demonstration**: Ankle Arthroscopy Arthrodesis
  **Marc Glazebrook, MD CANADA**
  **Sponsored by Smith & Nephew**
- **Paper Presentations**

### CONCURRENT SESSION #4

**EARLY OSTEOARTHRITIS**
- **Symposia**: Biological vs. Metal Solutions for Early Osteoarthritis: A Case Based Approach
  **Chair**: Maurilio Marcacci, MD ITALY
- **Paper Presentations**

**SPORTS INJURIES**
- **Symposia**: Running Injuries
  **Chair**: Michael Carmont, MD UNITED KINGDOM
- **Symposia**: Combat Sports Injuries
  **Chair**: John Bergfeld, MD USA

**SPORTS MEDICINE**
- **Paper Presentations**: Achilles Sports Medicine Award Presentations
  **Scientific Papers**

17:00–19:30 OPENING CEREMONY with Special Presentation in Hall F
WELCOME RECEPTION in the Exhibit Hall

*Paper presentations will be announced in October 2012 and available at www.isakos.com/2013congress.*
# Monday, May 13, 2013

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<tr>
<td>12:00–13:30</td>
<td>LUNCHEON LECTURES, WORKSHOPS AND SURGICAL DEMONSTRATIONS (See <a href="http://www.isakos.com">www.isakos.com</a> for more info)</td>
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## Agenda

### GENERAL SESSION

**ISAKOS BUSINESS MEETING I—FOR MEMBERS ONLY**

**OPENING SESSION**

**Special Event:** Introduction of International Society Presidents
- Moises Cohen, MD Brazil
- Masahiro Kurosaka, MD Japan
- Philippe Neyret, MD France
**Special Event:** Presidential Lecture
- Moises Cohen, MD Brazil

**ACL INJURY PREVENTION**

**Symposia:** The Mechanism of ACL Injury and Its Prevention
  **Chair:** Lars Engebretsen, MD, PhD Norway

**ACL RECONSTRUCTION: FEMORAL TUNNEL**

**Symposia:** Transtibial vs. Far Anteromedial Portal vs. Outside-In Technique for Femoral Tunnel Drilling in ACL Reconstruction: Why Do You Prefer the Technique?
  **Chair:** James Lubowitz, MD USA

**ACL RECONSTRUCTION: REVISION**

**Paper Presentations:** Albert Trillat Award Presentations
- Karl Fredrik Almqvist, MD, PhD Belgium
- Edward M. Wojtys, MD USA

### CONCURRENT SESSION #2

**ROTATOR CUFF: UPPER EXTREMIT Y CONSENSUS**

**Symposia:** Upper Extremity Committee Consensus Meeting:
  Rotator Cuff—Rethinking Tendinosis, Impingement and Ruptures
  **Chair:** Guillermo Arce, MD Argentina

**PATELLOFEMORAL JOINT**

**Symposia:** Role of Trochleoplasty in the Management of Patellar Instability
  **Chair:** David Dejour, MD France

**Paper Presentations**

**Special Event:** Patellofemoral Traveling Fellowships

**Special Event:** Patellofemoral Research Excellence Award

**Live Surgical Demonstration:** Reconstruction of the MPFL Using the Quadriceps Tendon
  **Christian Fink, Prof. MD Austria**
  **Sponsored by Karl Storz**

### CONCURRENT SESSION #3

**GENERAL ARTHROSCOPY TOPICS**

**Paper Presentation Block:** Special Event: John Joyce Award Finalist Presentations
- Karl Fredrik Almqvist, MD, PhD Belgium

**UPPER EXTREMIT Y**

**Paper Presentations:** Richard Caspari Award Finalist Presentations
- Guillermo Arce, MD Argentina

**Live Surgical Demonstration:** Innovative Solutions for Advanced Shoulder Arthroscopy
- Jeffrey Abrams, MD USA & Alex Castagna, MD Italy
  **Sponsored by ConMed Linvatec**

**ROTATOR CUFF: PARTIAL TEARS**

**Symposia:** Strategic Approach for Partial Rotator Cuff Tears
  **Chair:** W. Jaap Willems, MD, PhD Netherlands

**Paper Presentations**

### CONCURRENT SESSION #4

**ELBOW INSTABILITY**

**Symposia:** Elbow Instability in the Athlete
  **Chair:** Marc Safran, MD USA

**ELBOW: CHALLENGING PROBLEMS**

**Symposia:** Challenging Problems in the Elbow: An International Perspective
  **Chair:** Felix Savoie III, MD USA

**Paper Presentations**

**TENDINOPATHY**

**Symposia:** Tendinopathy: Current Understanding and Treatment
  **Chair:** Nicola Maffulli, MD, PhD, MS, FRCS (Orth) United Kingdom

**Paper Presentations**

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*Paper presentations will be announced in October 2012 and available at www.isakos.com/2013congress.*
**Agenda**

**Tuesday, May 14, 2013**

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| 08:30–17:00| **SPORTS REHABILITATION CONCURRENT COURSE**  
  See pages 14–17 for more information  
  (Separate Registration Required) |
| 12:00–13:30| **LUNCHTIME LECTURES, WORKSHOPS AND SURGICAL DEMONSTRATIONS**  
  (See www.isakos.com for more info) |

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### GENERAL SESSION

**OPENING SESSION**
- AOSSM Partner Society Presentation
- ESSKA Partner Society Presentation
- **Special Event:** ISAKOS Presidential Guest Lecture

**POSTEROLATERAL CORNER & POSTERIOR CRUCIATE LIGAMENT**
- **Live Surgical Demonstration:** PLC/PCL
  - Peter Verdonk, MD, PhD BELGIUM
  - **Sponsored by Smith & Nephew**

**TEAM PHYSICIAN SPECIAL INTEREST**
- **Lecture:** Use of Allografts in Sports Medicine
  - To be Determined
- **Lecture:** Women in Sports Medicine
  - Mary Ireland, MD USA
- **Lecture:** Concussion: Criteria to Return to Sport
  - Albert Pearsall, MD USA
- **Symposia:** Pediatric Sports Medicine: A Case Based Update
  - **Chair:** Francois Kelberine, MD FRANCE
  - **Paper Presentations**

### CONCURRENT SESSION #2

**LIGAMENT REPAIR**
- **Debate:** Use of Synthetic Ligaments
  - **Chair:** David Parker, FRACS AUSTRALIA
  - **Paper Presentations**

**CARTILAGE REPAIR**
- **Symposia:** Advances in Cartilage Treatment
  - **Chair:** Tom Minas, MD USA
  - **Paper Presentations**

**HIP**
- **Live Surgical Demonstration:** Hip Labral Reconstruction
  - Marc Philippon, MD USA
  - **Sponsored by Smith & Nephew**
  - **Paper Presentations**

### CONCURRENT SESSION #3

**ROTATOR CUFF: BIOLOGY AND BIOMECHANICS**
- **Symposia:** Biology and Biomechanics of the Rotator Cuff
  - **Chair:** Nahum Rosenberg, MD ISRAEL

**ACL**
- **Live Surgical Demonstration:** Anatomic ACL Reconstruction: A New and Simplified Approach
  - JC Monllau, MD, PhD SPAIN
  - Laurie Hiemstra, MD, PhD, FRSCSC CANADA
  - **Sponsored by ConMed Linvatec**
  - **Symposia:** Biological Enhancement of ACL Healing
  - **Chair:** Willem van der Merwe, MBChB, FCS, SA Ortho SOUTH AFRICA

**ACL RECONSTRUCTION: FAILURE**
- **Lecture:** Why Do ACL Reconstructions Fail?
  - Freddie Fu, MD USA
  - **Paper Presentations**

### CONCURRENT SESSION #4

**FRACTURE FIXATION**
- **Symposia:** The Use of Arthroscopy in Fracture Fixation: Current Applications and Future Directions
  - **Chair:** James Lubowitz, MD USA
  - **Co-Chair:** Mahmut Doral, MD, Prof. TURKEY
  - **Paper Presentations**

**CHONDRAL DEFECTS**
- **Debate:** Chondral Defect in Young Athletes: ACI vs. Mosaicplasty vs. Microfracture
  - **Chair:** Bert Mandelbaum, MD DHL (hon) USA
  - **Paper Presentations**

**ORTHOPAEDIC SKILLS**
- **Symposia:** Surgical Simulation in Orthopaedic Skills Training: Arthroscopy and Beyond
  - **Chair:** Andreas Gornoll, MD USA
  - **Paper Presentations**

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*Paper presentations will be announced in October 2012 and available at www.isakos.com/2013congress.*
**Wednesday, May 15, 2013**

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**GENERAL SESSION**

**ISAKOS BUSINESS MEETING II – MEMBERS ONLY**

**OPENING SESSION**

**ISAKOS Congress Awards Ceremony**

**Special Presentation:** 10th Biennial ISAKOS Congress Presentation

**KNEE OSTEOTOMY**

**Symposia:** Current & Future Application of Knee Osteotomy: Primary Osteotomy for Osteoarthritis and Concomitant Osteotomy in Joint Reconstruction

**Chair:** J. Robert Giffin, MD, FRCSC CANADA

**KNEE ARTHROPLASTY**

**Symposia:** Current Controversies in Primary Knee Arthroplasty

**Chair:** Mark Clatworthy, FRACS NEW ZEALAND

Paper Presentations

**ACL REPAIR**

**Live Surgical Demonstration:** All Inside ACL Repair Using Tightrope RT

**Michael Stuart, MD USA**

**Sponsored by Arthrex**

Paper Presentations

**MENISCUS**

**Symposia:** The Meniscus: 2013 Update

**Chair:** Kevin Shea, MD USA

**ROTATOR CUFF: CHALLENGES**

**Paper Presentations**

**Symposia:** Challenging Problems in Rotator Cuff Disease: An International Perspective

**Chair:** Guillermo Arce, MD ARGENTINA

**ROTATOR CUFF REPAIR**

**Live Surgical Demonstration:** Rotator Cuff Repair

**Robert Litchfield, MD, FRCSC CANADA**

**Sponsored by Smith & Nephew**

Paper Presentations

**SHOULDER: THROWING**

**Symposia:** Throwing Shoulder: Where are we now? Recognizing Pathomechanics, Rehabilitation vs. Surgical Treatment

**Chair:** James Andrews, MD USA

**CARTILAGE LESIONS**

**Symposia:** Surgical and Non-Surgical Treatment Options for Early Degenerative Cartilage Lesions

**Chair:** Martin Lind, MD, PhD DENMARK

Paper Presentations

**CARTILAGE**

**Symposia:** ISAKOS & ICRS Shared Symposia

**Chair:** Norimasa Nakamura, MD, PhD JAPAN

Paper Presentations

**HIP ARTHROSCOPY**

**Live Surgical Demonstration:** From Access to Repair – A Comprehensive Approach to Hip Arthroscopy

**Tom Sampson, MD USA**

**Sponsored by ConMed Linvatec**

**SPORTS MEDICINE**

**Symposia:** Tennis Medicine

**William Kibler, MD USA**

**KNEE–OSTEONECROSIS**

**Symposia:** Osteonecrosis of the Knee: Causes, Management & Prevention

**Chair:** Peter Myers, MBBS, FRACS AUSTRALIA

Paper Presentations

**Paper presentations will be announced in October 2012 and available at www.isakos.com/2013congress.**
**Surgical Demos**

**Sunday, May 12, 2013**

**Management of Anterior Instability—the Anatomic Approach**

**09:45–10:45 Room 701A**

This Live Surgical Demonstration will offer instruction on the indications, principles, and techniques for anterior shoulder instability.

*Dinshaw Pardiwala, MS(Orth), DNB(Orth), FCPS INDIA*

*Sponsored by: DePuy Mitek*

**Total Knee Replacement with a Focus on Triathlon and Otismed Shapefit Patient Specific Instrumentation**

**11:00–12:00 General Session**

*Faculty To Be Determined*

*Sponsored by: Stryker*

**Single Bundle Rotator Cuff Repair**

**13:30–14:00 Room 701A**

This Live Surgical Demonstration will focus on simple techniques and the benefits of arthroscopic single bundle rotator cuff repair.

*Felix Savoie III, MD USA*

*Sponsored by: DePuy Mitek*

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**New Technique in Rotator Cuff Repair**

**14:00–14:30 Room 701A**

This demonstration will show a new technique for treatment of large and massive rotator cuff tears, offering improved biomechanical properties, resistance to tissue pull through, and improved healing rates.

*Stephen Burkhart, MD USA*

*Sponsored by: Arthrex*

**Anatomic ACL Reconstruction**

**15:30–16:30 General Session**

This Live Surgical Demonstration will focus on the restoration of the native anatomy through single and double bundle approaches to ACL reconstruction.

*Freddie Fu, MD USA*

*Sponsored by: Smith & Nephew*

**Ankle Arthroscopy Arthrodesis**

**16:30–17:00 Room 718A**

Arthroscopic ankle arthrodesis has a high fusion rate with minimal complications compared to many open procedures. This demonstration will show a straight-forward arthroscopic approach for ankle arthrodesis.

*Mark Glazebrook, MD CANADA*

*Sponsored by: Smith & Nephew*
Surgical Demos

Monday, May 13, 2013

Innovative Solutions for Advanced Shoulder Arthroscopy
14:30–15:30 Room 718A
Learn simple techniques on how to approach labral and rotator cuff tears using the comprehensive Shoulder Restoration System from ConMed Linvatec.
Jeffrey Abrams, MD USA
Alessandro Castagna, MD ITALY
Sponsored by: ConMed Linvatec

Reconstruction of the MPFL Using the Quadriceps Tendon
16:00–17:00 Room 701A
MPFL reconstruction has become an important procedure in the treatment of patella instability. We present a new minimal invasive technique using a strip of quadriceps tendon, which does not necessitate any tunnels or anchor fixation on the patella. It can also be used as an ideal technique in the case of open growth plates.
Christian Fink, Prof. MD AUSTRIA
Sponsored by Karl Storz

Tuesday, May 14, 2013

PLC / PCL
11:00–12:00 General Session
This demonstration will focus on complex ligament repair techniques related to the posterior cruciate and lateral corner.
Peter Verdonk, MD, PhD BELGIUM
Sponsored by: Smith & Nephew

Anatomic ACL Reconstruction: A New and Simplified Approach
13:30–14:30 Room 718A
This demonstration will offer a way to eliminate the biggest ACL challenges by learning the latest technique innovations, as well as tips and pearls for faster and easier anatomic reconstructions.
Joan Monllau, MD, PhD SPAIN
Laurie Hiemstra, MD, PhD, FRCSC CANADA
Sponsored by: ConMed Linvatec

Hip Labral Reconstruction
15:30–16:30 Room 701A
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 Philippon, MD USA
Sponsored by: Smith & Nephew

Wednesday, May 15, 2013

From Access to Repair: A Comprehensive Approach to Hip Arthroscopy
11:00–12:00 Room 718B
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.
Thomas Sampson, USA
Sponsored by: ConMed Linvatec

All Inside ACL Repair
15:30–16:30 General Session
A new technique for ACL reconstruction utilizing a simple, button based fixation device to secure the graft will be demonstrated.
Michael Stuart, MD USA
Sponsored by: Arthrex

Rotator Cuff Repair
16:00–17:00 Room 701A
This live rotator cuff repair demonstration will provide the audience with current principles for treatment, practical information and technical tips for daily clinical use.
Robert Litchfield, MD, FRCSC CANADA
Sponsored by: Smith & Nephew
Monday, May 13, 2012

ICL #01
Cell Based Therapy in Orthopaedics 2013; Is the Off the Shelf Approach Really Beneficial?
This Instructional Course aims to foster knowledge of stem cell based therapies to musculoskeletal tissues shared among the basic scientists and physicians who are engaged in this field.

Chair: Norimasa Nakamura, MD, PhD JAPAN
James Hui, SINGAPORE
Rocky Tuan, PhD USA
Constance Chu, MD USA

ICL #02
Evidence Based Medicine Approach to Pediatric ACL Reconstruction
Upon completion of this ICL, participants will be able to understand indications and principles for ACL Reconstruction in the skeletally immature patient. Potential risks and complications, as well as their treatment, will be reviewed in detail.

Chair: Robert Marx, MD, MSc, FRCSC USA
Allen Anderson, MD USA
Romain Seil, MD LUXEMBOURG
Nick Mohtadi, MD, MSc, FRCSC CANADA
Mininder Kocher, MD USA

ICL #03
Shoulder Instability with Bone Loss
Upon completion of this Instructional Course, participants will be able to understand the pathoanatomy and biomechanics of bony defects associated with shoulder instability, evaluate the extent of the defect, and select an appropriate treatment for the pathology.

Chair: Eiji Itoi, MD, PhD JAPAN
Anthony Romeo, MD USA
Benno Ejnisman, MD BRAZIL
Mario Larrain, MD ARGENTINA
Giovanni Di Giacomo, MD ITALY
W. Jaap Willems, MD, PhD NETHERLANDS

ICL #04
The Young Adult Hip- from Hip Dysplasia to FAI; A Case Based Approach to Open and Arthroscopic Management
Upon completion of this Instructional Course, learners should be able to understand basic pathology, radiographic and arthroscopic findings of both hip dysplasia and femoroacetabular impingement in the young adult and indications and limits regarding arthroscopic and open hip surgery for the treatment of both pathologies. Rationale of simultaneous arthrotomy and staged arthroscopic surgery before or after acetabular reorientation in hip dysplasia as well as the role of surgical dislocation and reorientation osteotomies in global FAI will be discussed.

Participants will understand current indications and evidence regarding open versus arthroscopic hip surgery for the young adult patient with dysplasia or femoroacetabular impingement.

Chair: Michael Dienst, MD GERMANY
Rafael Sierra, MD USA
J.W. Thomas Byrd, MD USA
John O'Donnell, MBBS, FRACS AUSTRALIA

ICL #05
How to Deal with TKA Infection: An Evidence Based Approach
Upon completion of this ICL, participants will understand, evaluate, and treat infected total knee replacements with the best available medicine.

Chair: Kelly Vince, MD NEW ZEALAND
Maurilio Marcacci, MD ITALY
Alejandro Della Valle, MD USA
Michael Soudry, MD ISRAEL

ICL #06
The Arthritic Shoulder in Young Athletes: From Debridement to Reverse
Following this ICL, participants will be able to describe and evaluate the arthritic shoulder as it relates to the treatment of young athletes. Topics of discussion on treatments’ options will range from arthroscopic debridement to reverse shoulder arthroplasty.

Chair: Philippe Hardy, MD FRANCE
Emilio Calvo, MD, PhD, MBA SPAIN
Eric McCarty, MD USA

ICL #07
Return to Work, Activity or Sport after Surgery
This Instructional Course will provide participants with information related to the return to work, activity or sport following a Total Knee Replacement, Patellofemoral Surgery, ACL Reconstruction or Shoulder Stabilization.

Chair: Francois Kelberine, MD FRANCE
Myles Coolican, FRACS AUSTRALIA
John Bergfeld, MD USA
Daniel Skullitl, MD, Prof. ARGENTINA

ICL #08
Ankle Arthroscopy
This Instructional Course will focus on all topics related to ankle arthroscopy.

Chair: C. Niek Van Dijk, PhD NETHERLANDS
Kenneth Hunt, MD USA
Josep Maria Cabestany Castella, MD SPAIN
Tuesday, May 14, 2013

ICL #09
Cartilage Repair Options: Do We Need Cells to Restore Chondral Surfaces?
This Instructional Course will focus on several types of cartilage repair techniques with or without cells. At the completion of this ICL, participants will have a better understanding of each technique's indications and limitations.

Chair: Mitsuo Ochi, MD, PhD JAPAN
Mats Brittberg, MD, PhD SWEDEN
Bert Mandelbaum, MD DHL (hon) USA
Michael Buschmann, PhD CANADA
Elizaveta Kon, MD ITALY

ICL #10
New Technology to Assess Laxity of the Knee Joint
Participants in this ICL will have the chance to better understand the importance and difference between static and dynamic laxity of the knee and laxity quantification, not only to evaluate the clinical results of surgical reconstruction but also to decide different surgical strategy according to the severity of laxity of each specific patient.

An overall overview of the new clinical and surgical technologies, to perform this laxity assessment will be presented describing pros and cons of each device.

Chair: Stefano Zaffagnini, MD ITALY
Andrew Amis, PhD, DSc UNITED KINGDOM
Romain Seil, MD LUXEMBOURG
Andrew Pearle, MD USA
Masahiro Kurosaka, MD JAPAN
Volker Musahl, MD USA

ICL #11
Rotator Cuff Repair: Tips to Fix it Right
This Instructional Course will instruct attendees to correctly identify and evaluate patients with rotator cuff tears; to identify and classify rotator cuff tears with respect to size and repairability; to identify treatment strategies for partial, full thickness, large and massive rotator cuff tears; and to understand end stage and revision options for failed rotator cuff repairs and irreparable lesions.

Chair: Anthony Miniaci, MD, FRCSC USA
Vicente Gutierrez, MD CHILE
Hiroyuki Sugaya, MD JAPAN
Luis Vargas, MD USA

ICL #12
Elbow Arthroscopy
This Instructional Course will introduce participants to safe techniques in performing elbow arthroscopy starting from simple cases to very difficult pathologies. The authors will present their experience in avoiding risks and complications.

Chair: Luigi Pederzini, MD ITALY
Marc Safran, MD USA
Francois Kelberine, MD FRANCE
Felix Savoie III, MD USA
Denise Eygendaal, MD, PhD NETHERLANDS

ICL #13
Meniscus Transplantation
This Instructional Course will focus on meniscus transplantation.

Chair: René Verdonk, MD, PhD BELGIUM
Hélder Pereira, MD PORTUGAL
Peter Verdonk, MD, PhD BELGIUM
Jack Farr, MD USA
Christopher Harner, MD USA

ICL #14
Complex Issues in the Patellofemoral Joint
This Instructional Course will address complex issues related to the patellofemoral joint.

Chair: David Dejour, MD FRANCE
Elizabeth Arendt, MD USA
Gideon Mann, MD, Prof. ISRAEL
Rodrigo Maestu, MD ARGENTINA

ICL #15
Shoulder Instability: Laxity and MDI in the Athletic Patient
This Instructional Course will offer instruction on laxity and multidirectional instability of the shoulder in athletic patients. The focus will be the complexity of the clinical findings, the evaluation, and the decision making in the lax athletic shoulder. The importance for the clinician to observe and interpret clinical and imaging findings as well as to propose a treatment plan that takes the athlete back to pre-injury sports performance. Each presenter will include a case for discussion.

Chair: Klaus Bak, MD DENMARK
Yon-Sik Yoo, MD,PhD KOREA
Mauricio Gutierrez, MD COLOMBIA
Steven Cohen, MD USA

ICL #16
Role of PRP in Orthopaedic Sports Medicine
This Instructional Course will discuss the role of platelet rich plasma in orthopaedic sports medicine. Topics will include Basic Science for the use of PRP, Platelet Rich Plasma preparation, use of PRP in the treatment of chronic lateral tendinopathy, and why physicians opt to not use PRP.

Chair: Rogerio Silva, MD, PhD BRAZIL
Taco Gosens, MD, PhD NETHERLANDS
Allan Mishra, MD USA
Nicola Maffulli, MD, PhD, MS, FRCS (Orth) UNITED KINGDOM
Steven Arnoczky, DVM USA
Wednesday, May 15, 2013

**ICL #17**

**Biology in Graft Tunnel Healing in Soft Tissue ACL Reconstruction: For Potential Acceleration of Post-Operative Rehabilitation**

This ICL aims to increase knowledge of biology in graft tunnel healing and clinical applications for ligament and tendon surgery. Upon completion of this course, participants will understand recent research on biological manipulation of graft-bone healing.

*Chair: Alberto Gobbi, MD* ITALY  
Chih-Hwa Chen, MD TAIWAN  
James Hui, SINGAPORE  
Robert Brophy, MD USA

**ICL #18**

**Tibial Slope and Cruciate Instability**

This ICL will improve understanding of the relationship of tibial slope and ACL and PCL instability. Basic science studies will be presented. Demographic studies show variability and relationship between increased slope and increased ACL rupture rate and ACL revision rate. Osteotomy techniques will be presented to change tibial slope, and outcome studies indicate a good long term outcome.

*Chair: Mark Clatworthy, FRACS NEW ZEALAND*  
David Parker, FRACS AUSTRALIA  
J. Robert Giffin, MD, FRCSC CANADA  
Jacques Ménétrey, MD SWITZERLAND

**ICL #19**

**The Biceps Tendon: From Shoulder to Elbow**

There have been significant advances in the clinical importance of the biceps tendon as a pain generator in the shoulder. This session will cover the latest controversies regarding the biceps tendon, and will challenge your thinking on the relationship with the biceps tendon, the labrum and shoulder function in the athlete. The normal anatomy and pathological findings of the biceps tendon within the shoulder, biceps groove and upper arm will be reviewed. Should you “Leave it where it belongs”; “Kill the biceps tendon”, as the French do; let it go; tenodese it high; or tenodese it low.

At the elbow there has been an update in the latest developments in the distal biceps tendon anatomy, assessment, bursoscopy and surgical management of partial, acute and late presentation tears.

*Chair: Gregory Bain, MB BS, FRACS, PhD* AUSTRALIA  
Tom Ludvigsen, MD NORWAY  
Victere Gutierrez, MD CHILE  
Augustus Mazzucca, MS, MD USA  
Marc McKee, PhD CANADA

**ICL #20**

**Current Concepts in Wrist Arthroscopy**

This Instructional Course will focus on current concepts related to wrist arthroscopy, including diagnosis and treatment.

*Chair: Gary Poehling, MD* USA  
Enrique Pereira, MD ARGENTINA  
Luigi Pederzini, MD ITALY  
Jeffrey Yao, MD USA

**ICL #21**

**The Stiff Knee Joint: A Challenge**

Arthrofibrosis of the knee may be localized (e.g. Cyclops) or global. Upon completion of this course, the participants will understand the various causes and situations of arthrofibrosis. They should have a guideline to recognize, time and indicate adequate surgical procedures from patella baja to posterior capsular releases.

*Chair: Christian Fink, Prof. MD* AUSTRIA  
Francois Kelberine, MD FRANCE  
Moises Cohen, MD, PhD BRAZIL  
Mark Miller, MD USA  
David Backstein MD, MEd, FRCSC CANADA

**ICL #22**

**Post Op Protocols for the Upper Limb: The Orthopaedic Surgeon’s Role in Shoulder and Elbow Rehabilitation**

This Instructional Course will focus on the specific ways an orthopaedic surgeon can influence the rehabilitation sequence, including how the surgeon can guide the content and progression of the rehabilitation sequence, and how to determine the criteria for return to play.

*Chair: William Kibler, MD* USA  
Yon-Sik Yoo, MD, PhD KOREA  
Alessandro Castagna, MD ITALY  
Geraldo Motta Filho, MD, Msc BRAZIL  
Kevin Plancher, MD, FACS, FAFAOS USA

**ICL #23**

**Injury Surveillance & Injury Prevention in Soccer**

Soccer is the most popular sports in the world. FIFA F-Marc started their injury surveillance study from 1994. After 2000 FIFA F-Marc also started the worldwide campaign of the FIFA 11, and FIFA 11+ as an effective training method for the injury prevention in soccer. In this instructional course we would like to show the injury surveillance data of FIFA F-Marc as well as the 11+ injury prevention method and its recent results.

*Chair: Toru Fukubayashi, MD* JAPAN  
Astrid Junge, SWITZERLAND  
Mario Bizzini, PT, PhD SWITZERLAND  
Ingard Holme, Professor NORWAY  
Lucio Ernlund, MD, MSc BRAZIL

**ICL #24**

**Femoral Acetabular Impingement**

This Instructional Course will focus on the diagnosis and treatment of Femoral Acetabular Impingement.

*Chair: Victor Ilizaliturri, MD* MEXICO  
Marc Safan, MD USA  
Giancarlo Polesello, MD, PhD BRAZIL  
Michael Leunig, MD SWITZERLAND
Thursday, May 16, 2013

ICL #25
Emerging Technology in Knee Surgery
Upon completion of this Instructional Course, participants will have an increased understanding of the application of emerging technologies in clinical practice related to the damaged knee joint.

Chair: Ramon Cugat, MD, PhD SPAIN
Mitsuo Ochi, MD, PhD JAPAN
Johnny Huard, PhD USA
Alberto Gobbi, MD ITALY

ICL #26
Evidence Based Approach to Multi-Ligament Knee Injuries
This ICL will focus on the best available evidence to help guide treatment strategies for the multiligament injured knee. Initial evaluation, surgical timing, graft selection, reconstruction techniques and rehabilitation of the complex injuries will be reviewed.

Chair: Bruce Levy, MD USA
Robert LaPrade, MD, PhD USA
Lars Engbretsen, MD, PhD NORWAY
Daniel Whelan, MD CANADA

ICL #27
Evaluation and Treatment of Tears of the Subscapularis Tendon
Upon completion of this Instructional Course, the participants will be able to recognize and diagnose partial and full thickness tears of the subscapularis tendon. Additionally, the participants will be familiar with the surgical treatment of subscapularis tendon tears including open repair, arthroscopic repair, and techniques to treat symptomatic irreparable tears with tendon transfer techniques.

Chair: Kevin Shea, MD USA
Laurent Lafosse, MD FRANCE
Bernhard Jost, SWITZERLAND
Seung-Ho Kim, MD KOREA

ICL #28
Where and How Do We Fix High Grade AC Separations?
This Instructional Course will address when and how to fix AC Joint separations, including discussions about the criteria for diagnosing an AC separation that needs repair, and the strengths and weaknesses of different types of repairs. Case presentations will be utilized.

Chair: Augustus Mazzocca, MS, MD USA
Andreas Imhoff, MD, Prof. GERMANY
Herbert Resch, MD AUSTRIA

ICL #29
Kinematics of Different Prosthetic Design: Evidence-Based Practice from the Lab to the Operating Room
This Instructional Course Lecture will describe kinematic performance of different prosthetic designs to evaluate the differences in in-vivo behavior to understand how to improve implant characteristics and performance.

Chair: Maurilio Marzaccchi, MD ITALY
Michel Bonnin, MD FRANCE
Jan Victor, MD, PhD BELGIUM

ICL #30
Shoulder Arthroplasty Options
Participants in this instructional course will learn to identify, evaluate and treat young patients with shoulder arthritis; understand non arthroplasty options for treating arthritis including medical management, arthroscopy and debridement procedures; understand the use of biologic humeral and glenoid resurfacing options; and understand indications and uses of partial to full anatomic inlay resurfacing options, stemless implants and conventional shoulder arthroplasty options.

Anthony Miniacci, MD, FRCSC USA
Philippe Hardy, MD FRANCE
John Costouros, MD USA
Peter Habermeyer, MD, PhD GERMANY

ICL #31
Commonly Encountered Sports Medicine Issues
This Instructional Course will examine commonly encountered sports medicine issues with a faculty of international experts.

Chair: Anunziato Amendola, MD USA
Meir Nyska, MD ISRAEL
Lucio Ernlund, MD, MSc BRAZIL

ICL #32
To Be Finalized
Topics will be determined closer to the dates of the 2013 ISAKOS Congress based on emerging principles, treatments and techniques.
Sunday, May 12, 2013

Painful Total Knee Replacement: Diagnosis and Indications for Revision
This symposium will focus on diagnosis and indications for revisions in a painful total knee replacement. The importance of a systematic workup so that an accurate diagnosis can be made will be highlighted because the outcome of the revision is dependent on the identification of the pathology. New ideas will be discussed and ample opportunity will be given for discussion. Realistic outcome will be discussed so that our patient can know what to expect after revision TKR.

Chair: Willem van der Merwe, MBChB, FCS, SA Ortho SOUTH AFRICA
Philippe Neyret, MD FRANCE
Masahiro Kurosaka, MD JAPAN
Jan Victor, MD, PhD BELGIUM
Julian A. Feller, FRACS AUSTRALIA

Treatment Options for First Time Shoulder Dislocation
It is the beginning of the soccer season and your best midfielder is victim of an acute first-time anterior shoulder dislocation. It is only one week before the champions league starts—what are your options? Does AS lavage reduce redislocation rate in the young patient? Due to prevalence of coracoid or rim fractures in the athlete with acute first-time anterior shoulder dislocation, does it change your treatment-algorithm? Is the treatment of AFASD different for a 15, 20 or 25 y old female or male athlete? Is there a place for non-operative treatment in the amateur versus the professional golfer? Swimmer? Volleyball player?

These and many more topics will be discussed and answered by an international, experienced shoulder-sports medicine panel. Participants will be able to judge, with evidence based medicine arguments, how, when and why to treat an athlete with AFASD.

Chair: Jose Huylebroek, MD BELGIUM
Pericles Papadopoulos, Professor GREECE
Mario Larrain, MD ARGENTINA
Eiji Itoi, MD, PhD JAPAN
Eric McCarty, MD USA

Middle and Long-Term Clinical Outcomes of Cell Therapies for Cartilage Injuries
This symposium will offer instructions on the middle and long term clinical outcomes of cell therapies related to cartilage injuries including an update on further development in cellular approaches, the use of matrices and scaffolds as well as wider indications for cell therapies demanding concomitant surgical procedures for long term successful outcomes.

Chair: Lars Peterson, MD, PhD, Professor SWEDEN
Alberto Gobbi, MD ITALY
Andreas Gomoll, MD USA
Jason Dragoo, MD USA
Karl Fredrik Almqvist, MD, PhD BELGIUM

Biological vs. Metal Solutions for Early Osteoarthritis: A Case Based Approach
This symposium will offer a case based approach to solutions for early osteoarthritis, including biological and metal solutions.

Chair: Maurilio Marcacci, MD ITALY
Annunziato Amendola, MD USA
Karl Fredrik Almqvist, MD, PhD BELGIUM
Norimasa Nakamura, MD, PhD JAPAN
Andrew Pearle, MD USA

Single and Double Bundle ACL Reconstruction with Remnant Tissue
Upon completion of this Symposium, participants will be able to understand current knowledge on histology, physiology, and biomechanics of the ACL remnant tissue; functional evaluation of the knee with remnant tissue preserving ACL reconstruction; remnant preserving techniques of single- and double-bundle ACL reconstruction; and the pros and cons of the remnant preserving ACL reconstruction.

Chair: Kazunori Yasuda, MD, PhD JAPAN
Matteo Denti, MD ITALY
Anastasios Georgoulis, MD GREECE
Byung-Ill Lee, MD, PhD KOREA
Patrick Yung, FRCS(Orth Surgery), FHKOS, FHKAM, FRCS, MBChB HONG KONG

Evidence Based Treatment of Collateral Ligaments
This symposia will focus on the evidence based treatment of collateral ligament injuries. Presentations will include anatomy of the MCL and PLC, Acute and Chronic Repairs versus Reconstructions, treatment options and outcomes.

Chair: Robert LaPrade, MD, PhD USA
Chad Griffith, MD USA
Bruce Levy, MD USA
Lars Engebretsen, MD, PhD NORWAY
Martin Lind, MD, PhD DENMARK

Running Injuries
This symposium will focus on the diagnosis and treatment of injuries related to running.

Chair: Michael Carmont, MD UNITED KINGDOM
Francesco Benazzo, MD, Prof. ITALY
Stephane Bermon, MD, PhD MONACO
Gabriel Agar, MD ISRAEL

Combat Sports Injuries
This symposium will focus on combat sports injuries, including injuries related to full contact sports, Capoeira, Boxing, Tae Kwando and Judo.

Chair: John Bergfeld, MD USA
Bas Pijnenburg, MD, PhD NETHERLANDS
JF Dumez, FRANCE
Fabio Tourhino, BRAZIL
Joe Estwanik, MD USA
Seiji Miyazaki, MD, PhD JAPAN
Rotator Cuff: Rethinking Tendinosis, Impingement and Ruptures
This symposium will focus on controversial issues of the Rotator Cuff disease. The latest concepts about tendinosis, biomechanics, impingement, ruptures, reconstructions and rehabilitation will be deeply debated. Management strategies and a framework for addressing complicated cases will be discussed.

Chair: Guillermo Arce, MD ARGENTINA
William Kibler, MD USA
Emilio Calvo, MD, PhD, MBA SPAIN
Matthew Provencher, MD USA
Klaus Bak, MD DENMARK
Augustus Mazzocca, MS, MD USA

Monday, May 13, 2013
The Mechanism of ACL Injury and Its Prevention
This symposium will address ACL injury and methods of prevention.

Chair: Lars Engebretsen, MD, PhD NORWAY
Edward Wojtys, MD USA
Tron Krosshaug, PhD NORWAY
Hideyuki Koga, MD, PhD JAPAN
Timothy Hewett, PhD USA

Upper Extremity Committee Consensus Meeting: Rotator Cuff—Rethinking Tendinosis, Impingement and Ruptures
This symposium will present the results of the recent ISAKOS Upper Extremity Committee Consensus Meeting on the rotator cuff.

Chair: Guillermo Arce, MD ARGENTINA

Elbow Instability in the Athlete
This symposium will address elbow instability in the athlete.

Chair: Marc Safran, MD USA
Hans Johanssen, MD DENMARK
Gregory Bain, MB BS, FRACS, PhD AUSTRALIA
Denise Eygendaal, MD, PhD NETHERLANDS

Femoral Tunnel: Transtibial vs. Far Anteromedial Portal vs. Outside-In Technique for Femoral Tunnel Drilling in ACL Reconstruction: Why Do You Prefer the Technique?
This symposium will address the debate related to ACL Reconstruction and Femoral Tunnel Drilling. International experts will defend their preferred technique including Transtibial, Anteromedial Portal and Outside-In.

Chair: James Lubowitz, MD USA
Mitsuo Ochi, MD, PhD JAPAN
Konsei Shino, MD, PhD JAPAN
Rainer Siebold, MD, Priv.-Doz. GERMANY
Asheesh Bedi, MD USA

Osteoarthritis in the ACL Injured Knee
The development of early osteoarthritis following ACL injury remains a substantial unsolved problem even with the latest reconstructive techniques. The symposium will examine this topic in depth, including, the etiology, pathophysiology, treatment of established OA, as well as possible means of prevention.

Chair: Scott Dye, MD USA
Karl Fredrick Almqvist, MD, PhD BELGIUM
Mitsuo Ochi, MD, PhD JAPAN

Patellofemoral Joint Instability: Evaluation and Treatment
This symposium will focus on the evaluation and treatment of patellofemoral instability.

Chair: David Dejour, MD FRANCE
Jack Farr, MD USA
Philip Schoettle, MD SWITZERLAND
Elizabeth Arendt, MD USA
Julian Feller, FRACS AUSTRALIA

Challenging Problems in the Elbow: An International Perspective
This symposium will use an international perspective to address challenging problems in the elbow, including epicondylitis, the athlete's elbow, the stiff elbow, and biceps and triceps injuries.

Chair: Felix Savoie III, MD USA
W. Jaap Willems, MD, PhD NETHERLANDS
James Andrews, MD USA
Gregory Bain, MB BS, FRACS, PhD AUSTRALIA

Partial Tears: Strategic Approach for Partial Rotator Cuff Tears
Partial cuff tears are a well known entity in shoulder pathology. They occur both in young athletes, when the shoulder is subjected to high loads in extreme positions, as well as in older people, with degeneration as the main cause. Although the diagnosis is presently made more frequently, there is still a lot of discussion on classification, pathophysiology, diagnostic and treatment modalities.

This symposium will bring together all new data on pathophysiology and inform the participant on the best way to diagnose this entity. The Upper Extremity Committee of the ISAKOS has considered it as its task to introduce an updated classification, which will be discussed during this session. Best evidence will also be pursued during the lecture on treatment of partial cuff tears.

At the end of this symposium the participant is updated on the best evidence available for this intriguing disease.

Chair: W. Jaap Willems, MD, PhD NETHERLANDS
Richard Angelo, MD USA
Benno Ejnisman, MD BRAZIL
Jeffrey Abrams, MD USA
Alberto Pochini, MD BRAZIL
Myriam Capasso, MD USA

Tendinopathy: Current Understanding and Treatment
Tendinopathy has replaced tendinitis as the most common cause of tendon pain and dysfunction. This symposium will discuss the pathophysiology of tendinopathy, as well as leading methods of treatment including eccentric strengthening, PRP injection therapy and surgical interventions.

Chair: Nicola Maffulli, MD, PhD, MS, FRCS (Orth) UNITED KINGDOM
Pietro Randelli, MD ITALY
Jon Karlsson, MD, PhD SWEDEN
Tuesday, May 14, 2013

Biology and Biomechanics: Biology and Biomechanics of the Rotator Cuff
This symposium will examine the biology and biomechanics of the rotator cuff.

**Chair:** Nahum Rosenberg, MD ISRAEL
Andrew Carr, MD UNITED KINGDOM
Leesa Galatz, MD USA

The Use of Arthroscopy in Fracture Fixation: Current Applications and Future Directions
This symposium will focus on the current applications and future direction of arthroscopy as it relates to fracture fixation (arthroscopic reduction-internal fixation (ARIF). Intra-articular fractures of the knee, hip, shoulder, and small joint applications will be addressed.

**Chair:** James Lubowitz, MD USA
Co-Chair: Mahmut Doral, MD, Prof. TURKEY
Kivanc Atesok, MD, MSc CANADA
Thomas Bauer, MD FRANCE
Dean Matsuda, MD USA
Jon Karlsson, MD, PhD SWEDEN

Pediatric Sports Medicine: A Case Based Update
This course will focus on the pediatric sports medicine patient from a case based approach.

**Chair:** Francois Kelberine, MD FRANCE

Advances in Cartilage Treatment
This course will address the recent advances in cartilage treatment.

**Chair:** Tom Minas, MD USA
Andreas Gomoll, MD USA
Jack Farr, MD USA
Christoph Erggelet, MD, PhD SWITZERLAND
Mats Brittberg, MD, PhD SWEDEN

Biological Enhancement of ACL Healing
This symposium will address biological enhancements in ACL healing.

**Chair:** Willem van der Merwe, MBChB, FCS, SA Ortho
SOUTH AFRICA
Andrew Pearle, MD USA
Ryosuke Kuroda, MD JAPAN
Volker Musahl, MD USA
Savio Woo, PhD, DSc, DEng USA

Surgical Simulation in Orthopaedic Skills Training: Arthroscopy and Beyond
This symposium will provide an overview of the current state of surgical simulation, discussing the role of both conventional and virtual reality simulators in residency training, the design of an integrated curriculum, and the future development of this rapidly advancing field.

**Chair:** Andreas Gomoll, MD USA
Jay Mabrey, MD USA
Kivanc Atesok, MD, MSc CANADA
C. Niek Van Dijk, PhD NETHERLANDS
Laith Jazrawi, MD USA
Wednesday, May 15, 2013

Current & Future Application of Knee Osteotomy: Primary Osteotomy for Osteoarthritis and Concomitant Osteotomy in Joint Reconstruction

A renewed interest in high tibial osteotomy (HTO) for medial compartmental knee osteoarthritis and complex knee instabilities is evident. The recognition of the importance of lower limb alignment and of the role of HTO in disease modification and in the protection and restoration of joint homeostasis have made the procedure a viable treatment option in the younger, more demanding patient. This symposium will address the current and future application of knee osteotomy including primary and concomitant osteotomy.

Chair: J. Robert Griffin, MD, FRCSC CANADA
Annunziato Amendola, MD USA
Alex Staubli, MD SWITZERLAND
Philippe Neyret, MD FRANCE
David Parker, FRACS AUSTRALIA

The Meniscus: 2013 Update

Mensicus disorders of the knee are one of the most common injuries in athletes. Proper evaluation and treatment are critical to both the short term and long term condition of the injured knee. This Symposium will discuss the latest research on evaluation, classification, and treatment of meniscus injuries including traditional arthroscopic debridement, meniscus repair, allograft transplantation and the future of meniscus replacement.

Chair: Kevin Shea, MD USA
Mark Clatworthy, FRACS NEW ZEALAND
Karl Fredrik Almqvist, MD, PhD BELGIUM
Robert Anciero, MD USA
René Verdonk, MD, PhD BELGIUM

Throwing Shoulder: Where are we now? Recognizing Pathomechanics, Rehabilitation vs. Surgical Treatment

This symposium will focus on the throwing shoulder, as related to pathomechanics, rehabilitation and surgical treatment options.

Chair: James Andrews, MD USA
Philippe Hardy, MD FRANCE
William Kibler, MD USA
Hiroyuki Sugaya, MD JAPAN

Current Controversies in Primary Knee Arthroplasty

This symposium will address the current controversies as related to primary knee arthroplasty.

Chair: Mark Clatworthy, FRACS NEW ZEALAND
Willem van der Merwe, MBChB, FCS, SA Ortho SOUTH AFRICA
Giles Scuderi, MD USA
Johan Balemans, MD, PhD BELGIUM
Tomoyuki Matsumoto, MD, PhD JAPAN

Challenging Problems in Rotator Cuff Disease: An International Perspective

This symposium will use an international perspective to address challenging problems in rotator cuff diseases. It will focus on new and established techniques for arthroscopic rotator cuff repair in a partial case based format. Pathologies and indications of these techniques as well as surgical tips and pearls will be discussed in an interactive format.

Chair: William Kibler, MD USA
Babette Pluim, MD NETHERLANDS
Javier Maquirriain, MD, PhD ARGENTINA
Todd Ellenbecker, DPT, MS USA

Surgical and Non-Surgical Treatment Options for Early Degenerative Cartilage Lesions

This symposium will review treatment options for degenerative cartilage lesions that have not yet developed into osteoarthritis. Both surgical and non-surgical treatment modalities will be covered. Surgical treatments include, osteotomies, condylar prosthesis, arthroscopic procedures, and biologic cartilage repair. Non-surgical treatments to be covered will be injection therapies including blood based products and physiotherapy and exercise.

Chair: Martin Lind, MD, PhD DENMARK
Constance Chu, MD USA
Jason Dragoo, MD USA
Michel Bonnin, MD FRANCE
Patrick Yung, FRCS (Orth Surgery), FHKCS, FHKAM, FRCS, MBChB HONG KONG

Cartilage: ISAKOS & ICRS Shared Symposia – Joint Preservation

This symposium is a cooperative effort of ISAKOS and the International Cartilage Repair Society, and will focus on joint preservation.

Chair: Norimasa Nakamura, MD, PhD JAPAN
Connie Chu, MD USA
Rocky Tuan, PhD USA
Bert Mandelbaum, MD USA
Anthony Hollander, PhD UNITED KINGDOM

Osteonecrosis of the Knee: Causes, Management & Prevention

Osteonecrosis of the knee can be a devastating problem. Fortunately it is an uncommon condition but can occur spontaneously or as a complication of other conditions. Spontaneous Osteonecrosis of the Knee (SONK) has also been associated with arthroscopy of the knee. The mechanism of this association is unclear but has become the topic of debate and even legal claims.

This Symposium will focus on the pathogenesis of SONK and review the current literature. Also the speakers will focus on how this condition might be anticipated and hopefully prevented. Treatment options ranging from non-operative to arthroplasty will be discussed.

Chair: Peter Myers, MBBS, FRACS AUSTRALIA
Anthony Miniaci, MD, FRCSC USA
Parag Sancheti, MS (Orth), DNB (Orth), Mch (Orth), F.Asif (Swiss) INDIA

Tennis Medicine

This symposium will review the issues related to injuries in tennis, including a look at pathophysiology and treatment guidelines, and explore injury prevention strategies. Topics include overview of tennis injuries and areas of concern, shoulder injuries and their relation to serve mechanics, treatment of arthritis, and conditioning for injury prevention.

Chair: William Kibler, MD USA
Babette Pluim, MD NETHERLANDS
Javier Maquirriain, MD, PhD ARGENTINA
Todd Ellenbecker, DPT, MS USA
Thursday, May 16, 2013

Revision ACL Reconstruction
This symposium will focus on the current approaches to revision ACL surgery from an international perspective. Specific topics to be addressed include causes of failure, clinical evaluation and surgical management.

Chair: Christopher Harner, MD USA
Robert Marx, MD, MSc, FRCSCA USA
Stefano Zaffagnini, MD ITALY
Peter Macdonald, MD, FRCSC, Dip Sport Med CANADA
Konsel Shino, MD, PhD JAPAN

Is 180° Always the Best Alignment After Total Knee Arthroplasty?
One of our major goals in total knee arthroplasty seems to be the perfectly aligned knee, which means a mechanical axis of 180° degrees between the femur and tibia. Do we really have to aim for a perfectly straight leg? It might be true from the biomechanical point of view in order to achieve an almost equal loading in the medial and lateral compartment of the knee. What about the function of the knee? Recent studies have shown that the natural knee is not always neutrally aligned. There is a certain percentage in our population with a constitutional varus aligned knee. Do we need to consider the natural leg alignment of the patient when TKA surgery is planned? What about severe varus and valgus malalignment due to osteoarthritis or maldeformity, which patient's may present for many years before they come for surgery? Do we have to pay more attention to the anatomy of the knee and the entire lower limb?

There are many open questions and this symposium we help to bring more light into the dark box of leg alignment.

Chair: Roland Becker, MD PhD Prof GERMANY
Giles Scuderi, MD USA
Mark Pagnano, USA
Philippe Neyret, MD FRANCE
Jan Victor, MD, PhD BELGIUM
Parag Sancheti, MS (Orth), DNB (Orth), MCh (Orth), F.Asif (Swiss) INDIA