

### 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 Ejnisman, 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, Tendinopathy, 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. Prodomos, 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*

*Hiroyuki 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?

10<sup>TH</sup> Biennial

# ISAKOS 2015 CONGRESS

JUNE 7–11, 2015  LYON, FRANCE

## 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*