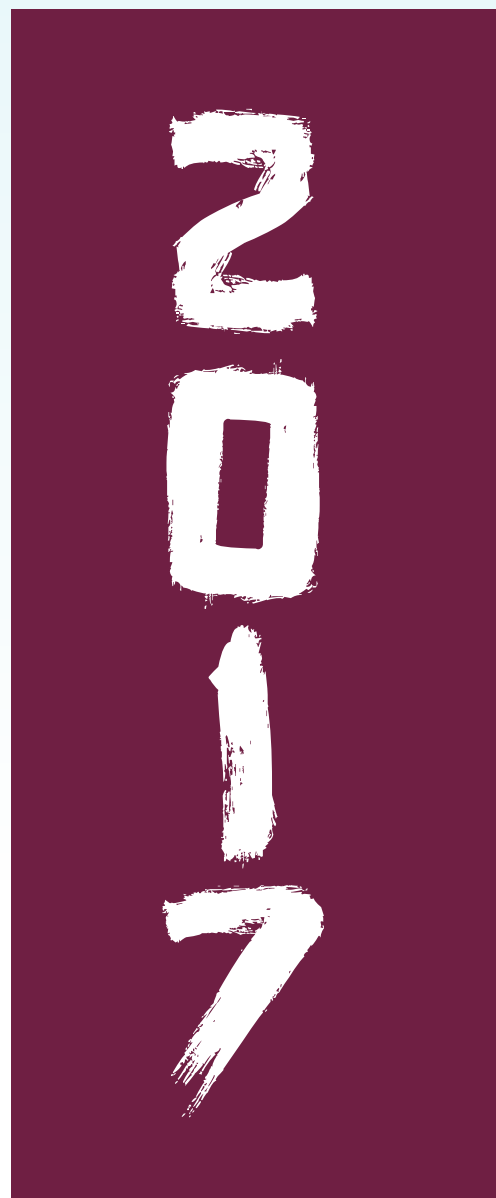


11TH BIENNIAL

ISAKOS CONGRESS

JUNE 4-8, 2017
SHANGHAI, CHINA



FINAL PROGRAM

ISAKOS.COM/2017CONGRESS

CONGRESS AT A GLANCE

TIME	SATURDAY, JUNE 3	SUNDAY, JUNE 4	MONDAY, JUNE 5	TUESDAY, JUNE 6	WEDNESDAY, JUNE 7	THURSDAY, JUNE 8
Registration: 06:00 – 18:00	06:30 – 17:00	06:30 – 17:00	06:30 – 17:00	06:30 – 17:00	06:30 – 17:00	06:30 – 12:00
Exhibits:	07:00 – 15:30	07:00 – 15:30	07:00 – 15:30	07:00 – 15:30	07:00 – 15:30	07:00 – 09:30
IFOSMA & CAOS Summit	07:00 – 17:00	07:00 – 17:00	07:00 – 17:00			
07:30 Morning Pre-Courses			Instructional Course Lectures 07:30 – 09:00	Instructional Course Lectures 07:30 – 09:00	Instructional Course Lectures 07:30 – 09:00	Instructional Course Lectures 07:30 – 09:00
08:00 The Knee: Maximizing Surgical Procedures in the Active & Athletic Patient	Opening Ceremony 08:00 – 08:45					
08:30 Walking Break: 08:45 – 09:00						
09:00 Concurrent Sessions 9:00 – 12:00			Break to Visit the Exhibits 09:00 – 09:30	Break to Visit the Exhibits 09:00 – 09:30	Break to Visit the Exhibits 09:00 – 09:30	Walking Break 09:00 – 09:15
09:30 The IOC Prevention of Injuries & Illnesses in High Level Athletes			ISAKOS Business Meeting I 09:30 – 10:10	ISAKOS Business Meeting II 09:30 – 10:30	ISAKOS Business Meeting II 09:30 – 10:15	Concurrent Sessions 09:15 – 13:00
10:00			Walking Break 10:10 – 10:15		Opening Session 10:15 – 11:00	
10:30			Opening Session 10:15 – 10:45			
11:00			Walking Break 10:45 – 11:00	Walking Break 10:30 – 10:45		
11:30			Concurrent Sessions 11:00 – 12:00	Concurrent Sessions 10:45 – 12:00	Concurrent Sessions 11:00 – 12:00	
12:00	Lunch Break 12:00 – 12:15	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	Lunch Time Sessions* 12:15 – 13:30	
13:00 Afternoon Pre-Courses 13:00 – 17:00 The Use of Biologics to Treat Sports Medicine Pathology	Concurrent Sessions 13:30 – 15:00	Concurrent Sessions 13:30 – 15:00	Concurrent Sessions 13:30 – 15:00	Concurrent Sessions 13:30 – 15:00	Concurrent Sessions 13:30 – 15:00	
14:00 Evaluating Athletes with Hip and Groin Problems	Break to Visit Exhibits 15:00 – 15:30	Break to Visit Exhibits 15:00 – 15:30	Break to Visit Exhibits 15:00 – 15:30	Break to Visit Exhibits 15:00 – 15:30	Break to Visit Exhibits 15:00 – 15:30	
15:00	Concurrent Sessions 15:30 – 17:30	Concurrent Sessions 15:30 – 17:30	Concurrent Sessions 15:30 – 17:30	Concurrent Sessions 15:30 – 17:30	Concurrent Sessions 15:30 – 17:30	
15:30						
16:00						
16:30						
17:00						
17:30 – 20:00	Welcome Reception Exhibit Hall 17:30 – 20:00					
	03	04	05	06	07	08

*Ticket Required

WELCOME



Welcome to the 11th Biennial ISAKOS Congress and the beautiful city of Shanghai! The Program Committee, led by Julian Feller, FRACS from Australia, 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 11th Biennial ISAKOS Congress has brought more than 4,000 orthopaedic surgeons, allied health

personnel, residents and fellows to the great city of Shanghai.

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 enormous metropolis of Shanghai is a city of changes. Melding old with new, Shanghai is the most populous city in China, with more than 23 million residents. Shanghai is a wonderful host city for ISAKOS, as more than 9 million residents are from outside of China! 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 Welcome Reception on Sunday, June 4th.

You and your guests are invited to the Welcome Reception on Sunday, June 4th at 17:30 in the Exhibit Hall. You are the most important part of the 11th Biennial ISAKOS Congress! We are glad that you have joined us in Shanghai. Thank you for participating in the international experience that is the ISAKOS Congress!

Philippe N. Neyret MD, PhD
President 2015 – 2017

Julian A. Feller, FRACS
Program Chair 2015 – 2017

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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 Orthopaedic 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 **29.0 AMA PRA Category 1 Credits™**.

CME Certificate

To receive your CME Certificate for the 11th Biennial ISAKOS Congress, please use your ISAKOS myCongress login at www.isakos.com/myCongress and complete the online Course Survey starting Thursday, June 8.

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. . . Paid Employee
- 3b. . . Paid Consultant
- 3c. . . Unpaid Consultant
4. . . . Stock
5. . . . Research Support
6. . . . Financial/Material Support
7. . . . Research Support
8. . . . Publication Board
9. . . . Organization Board

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: Shanghai Convention & Exhibition
Center of International Sourcing
Location: No.2739 West Guangfu Road
Putuo District
Shanghai, 200062
CHINA

Public Transportation & Complimentary Shuttle

ISAKOS does not provide transportation for all Congress attendees. However, a complimentary shuttle will be available to and from the Shanghai Convention Center from the Weining Road and Daduhe Road subway stations. For more information, please visit the Hotels & Tours Desk located in the Registration area.

Shuttle Bus Station*:

Outside the Shanghai Convention & Exhibition Center,
Zhong Jiang Road

*This shuttle stops at the Weining Road and Daduhe Road subway stations only.

TWEETING ABOUT THE CONGRESS?

Include hashtag #ISAKOS2017 and join the global conversation!

Follow @ISAKOS for #ISAKOS2017 updates! twitter.com/ISAKOS

On-Site Registration and Badge Pick-up

South Hall – Level 1F

Attendees will be able to pay for their on-site registrations in US dollars or CYN, by credit card (American Express, Discover, MasterCard and Visa). Registration will be open every day at the Shanghai Convention & Exhibition Center during the following hours:

Friday, June 2	14:00 – 18:00
Saturday, June 3	
Pre-Course Registration Only	06:00 – 10:00
Congress Registration Opens	10:00 – 18:00
Sunday, June 4	06:30 – 17:00
Monday, June 5	06:30 – 17:00
Tuesday, June 6	06:30 – 17:00
Wednesday, June 7	06:30 – 17:00
Thursday, June 8	06:30 – 12:00

Breakfasts, Lunch and Breaks

Continental breakfast, coffee and breaks will be available daily for all registered attendees beginning at 07:00 on Sunday, June 4 in the Exhibit Hall, 1 – 1.

Sunday – Wednesday: Complimentary lunch will be provided to Lunch Time Session registrants only, on a first-come, first-served basis. Lunch is not guaranteed.

Instructional Course Lectures

Instructional Course Lectures are free of charge to all attendees. Instructional Course Lectures are offered on Monday, June 5 through Thursday, June 8 from 07:30 – 09:00. For a complete list of Instructional Courses, please refer to page 36.

Technical Exhibits

Attendees must be registered for the Congress in order to access the Exhibit Hall which is located in 1 – 1 on Level 1F of the Shanghai Convention & Exhibition Center (by Registration). A complete listing of all technical exhibits is included in this program on page 49. Exhibits will be open:

Sunday, June 4	07:00 – 15:30
Welcome Reception	17:30 – 20:00
Monday, June 5	07:00 – 15:30
Tuesday, June 6	07:00 – 15:30
Wednesday, June 7	07:00 – 15:30
Thursday, June 8	07:00 – 09:30

ePoster Exhibits

Scientific ePoster presentations can be viewed at computer stations located on Level 2F, between rooms 2 – 1 and 2 – 5. ePoster presentations are also available to all Congress attendees in the online Interactive Agenda at www.isakos.com/2017congress.

Wi-Fi Service

Wi-Fi Password: isakos2017

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

Internet Stations

All meeting attendees are welcome to access the internet at no charge at the ISAKOS Internet Stations. The Internet Stations will be open daily during Congress hours and are located on Level 1F by Registration.

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 Room 307 on Level 3F.

The Speaker Ready Room will be open as follows:

Friday, June 2	14:00 – 18:00
Saturday, June 3	
Pre-Course Presenters Only	06:00 – 11:00
All Congress Presenters	11:00 – 18:00
Sunday, June 4	06:30 – 17:30
Monday, June 5	06:30 – 17:30
Tuesday, June 6	06:30 – 17:30
Wednesday, June 7	06:30 – 17:30
Thursday, June 8	06:30 – 12:00

THANK YOU!

ISAKOS Office

Michele Johnson,
Executive Director

Joy Allen-Joseph
Katie Anderson
Sarah Corpuz
Kayleigh Foley

Beverlee Galstan
Hilary Merliner
Kathleen Reyes

Lab Personnel

Judy Cooper
Santana Gonzales

Rich Leutheuser
Greg Weaver

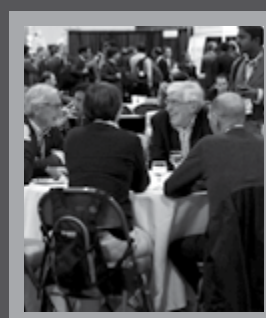
WELCOME RECEPTION

Room: Exhibit Hall, 1 – 1
Shanghai Convention &
Exhibition Center

Date: Sunday, June 4

Time: 17:30 – 20:00

ISAKOS welcomes all attendees and their guests to celebrate the opening of the 11th Biennial ISAKOS Congress. 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 JW Marriott. This is a great opportunity to meet with new and old friends to enhance your experience in Shanghai. For additional information or to register, please visit the Spouse and Guest desk in the Registration area located on Level F1 in the Shanghai Convention & Exhibit Center.

Location: JW Marriott Hotel Shanghai Changfeng Park
Room: Glass House at Park Café Restaurant
Address: 158 Da Du He Rd., Putuo District
Shanghai, 200062 CHINA
Dates: Sunday, June 4 – Thursday, June 8
Time: 08:00 – 10:00
Cost: US \$125

Interactive Agenda and myCongress

www.isakos.com/InteractiveAgenda

www.isakos.com/myCongress

Have the complete Congress schedule at your fingertips!

- Customize your schedule and save favorites using the mySchedule features
- Access and download presentation outlines, handouts and paper abstracts
- Rate presentations using the star-rating feature
- View Faculty profiles and presentation schedules
- Submit questions and poll answers to the moderator
- Browse Congress Exhibitors
- Convention Center maps for reference





Interactive Agenda Mobile & Desktop Friendly!



Tap "Add to Home Screen" and save the Congress website for quick and easy access on-the-go!

View the LIVE Congress schedule of events, faculty profiles and more. Mark favorites using the mySchedule feature!

isakos.com/2017congress

Have a Question for a Presenter?

Audience Response and Live Polling
Powered 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 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.

The 14th IFOSMA & CAOS Summit Forum on Bone Joint & Sports Injury

第十四届IFOSMA大会暨中国医师协会骨科医师分会 (CAOS) 关节与运动创伤高峰论坛

www.isakos-shanghai.com

(Additional Registration Required)

Rooms: Level 1F, Rooms 1-2 & 1-3
Dates: Sunday, June 4 – Tuesday, June 6
Time: 08:30 – 17:00

The 14th IFOSMA Conference was organized by the Shanghai Medical and Health Development Foundation, the Chinese Medical Association Orthopedic Medical Association (CAOS), Fudan University Affiliated Huashan Hospital and Fudan University Sports Medicine Center—and also received support from the Chinese Medical Association Orthopedic Branch (COA), China Medical Association Sports Medical Branch (CSSM), and the China Sports Science Society.

THANK YOU!

TO THE CHINESE ORGANIZING COMMITTEE

CSSM:

Gouping Li, MD
Yingfang Ao, MD
Shiyi Chen, MD, PhD
Manyi Wang, MD

COA:

Guixing Qiu, MD
Yingze Zhang, MD
Wei Tian, MD
Kunzhen Wang, MD
Peifu Tang, MD

CAOS:

Yan Wang, MD

SMA:

Jianguang Xu, MD

Fudan University:

Chouwen Zu, MD
Xiaohui Liu, MS

Huashan Hospital:

Qian Ding, MD
Ying Mao, MD
Jianhua Shao, MD
Dekun Guan, MD

FUSM:

Jiwu Chen, MD
Hongyun Li, MD
Jiarui Chen, MD

Shanghai Government for Tourism

Administration:

Ping Chen

Others:

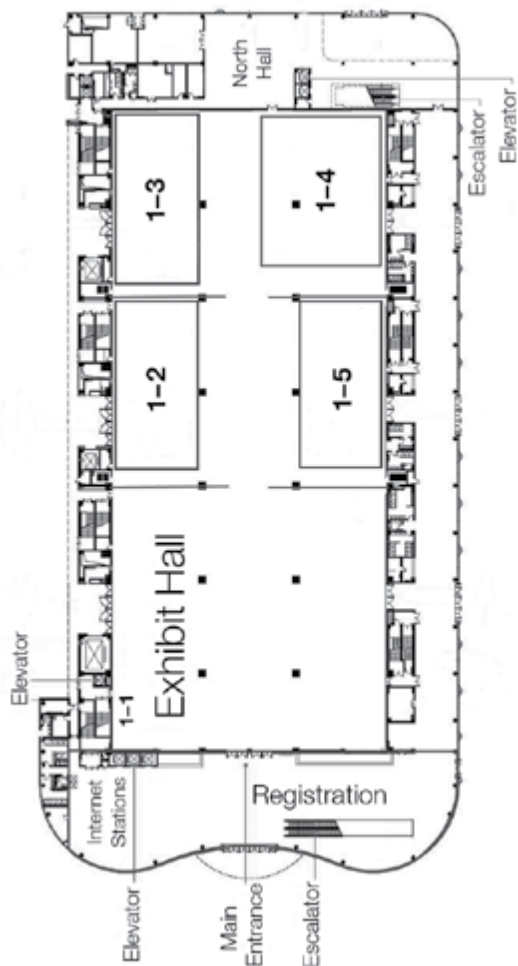
KM Chan, MD (HK)
Patrick Yung, MD (HK)
Yi-Sheng Chan, MD
(Taiwan)
Waisean Chan, MD
(Macao)



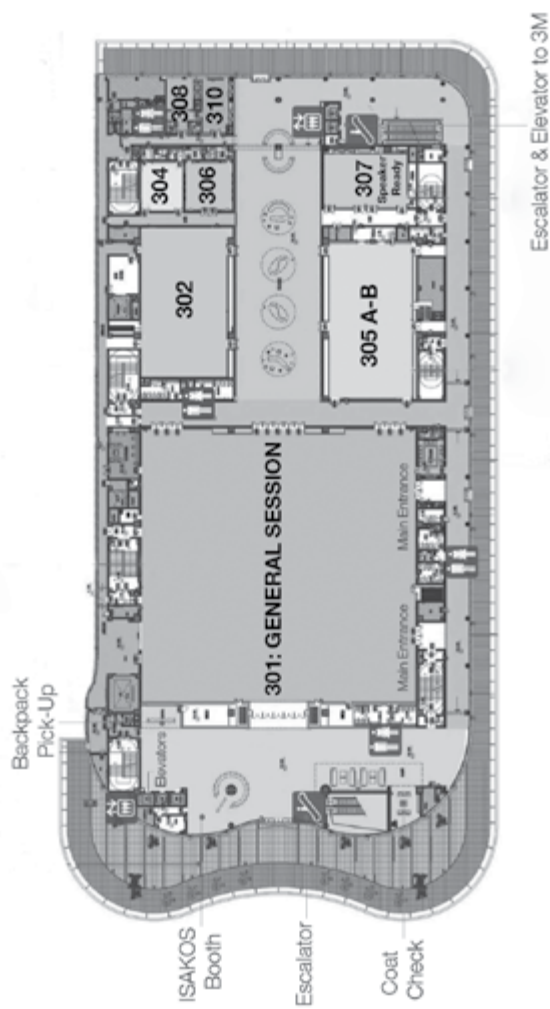
DIRECTORY

Exhibition Area		1 – 1, Level 1F
General Session		301, Level 3F
Concurrent Sessions		2 – 1, 2 – 3, 2 – 4
ePoster Stations		Level 2F
ICLs 1, 9, 17, 25		General Session 301, Level 3F
ICLs 2, 10, 18, 26		2 – 1, Level 2F
ICLs 3, 11, 19		2 – 3, Level 2F
ICLs 4, 12, 20, 28		2 – 4, Level 2F
ICLs 5, 13, 21, 29		2 – 5, Level 2F
ICLs 6, 14, 22, 30		1 – 2, Level 1F
ICLs 7, 15, 23, 31		1 – 5, Level 1F
ICLs 8, 16, 24, 32		1 – 3, Level 1F
14th IFOSMA & CAOS Summit Forum		1 – 2, 1 – 3, Level 1F
International Society Presidents Social		306, Level 3F
Wednesday, June 7, 2017	08:00 – 09:00	
<i>Private Event – by Invitation Only</i>		
Internet Stations		Foyer – Level 1F
ISAKOS Booth		Foyer – Level 3F
ISAKOS Business Meeting I		General Session
Monday, June 5	09:30 – 10:10	301, Level 3F
<i>Members Only</i>		
ISAKOS Business Meeting II		General Session
Wednesday, June 7	09:30 – 10:10	301, Level 3F
<i>Members Only</i>		
ISAKOS Committee Meeting Rooms		3M1, 3M3, Level 3M
Lunch Time Lectures & Workshops	12:15 – 13:30	See page 44 Ticket Required
Sunday, June 4		
Monday, June 5		
Tuesday, June 6		
Wednesday, June 7		
Society Booths		Exhibit Hall, 1 – 1, Level 1F
Speaker Ready		307, Level 3F
Friday, June 2	14:00 – 18:00	
Saturday, June 3		
Pre-Course Presenters Only	06:00 – 11:00	
All Congress Presenters	11:00 – 18:00	
Sunday, June 4	06:30 – 17:30	
Monday, June 5	06:30 – 17:30	
Tuesday, June 6	06:30 – 17:30	
Wednesday, June 7	06:30 – 17:30	
Thursday, June 8	06:30 – 12:00	
Spouse and Guest Morning Café		JW Marriott Shanghai Changfeng Park Glass House at Park Café Restaurant
Sunday, June 4 – Thursday, June 8	08:00 – 10:00	
Hotel & Tour Desk		Registration – Level 1F
Friday	13:30 – 17:00	
Saturday	09:30 – 17:00	
Sunday – Wednesday	06:30 – 17:00	
Welcome Reception		Exhibit Hall, 1 – 1, Level 1F
Sunday, June 4	17:30 – 20:00	

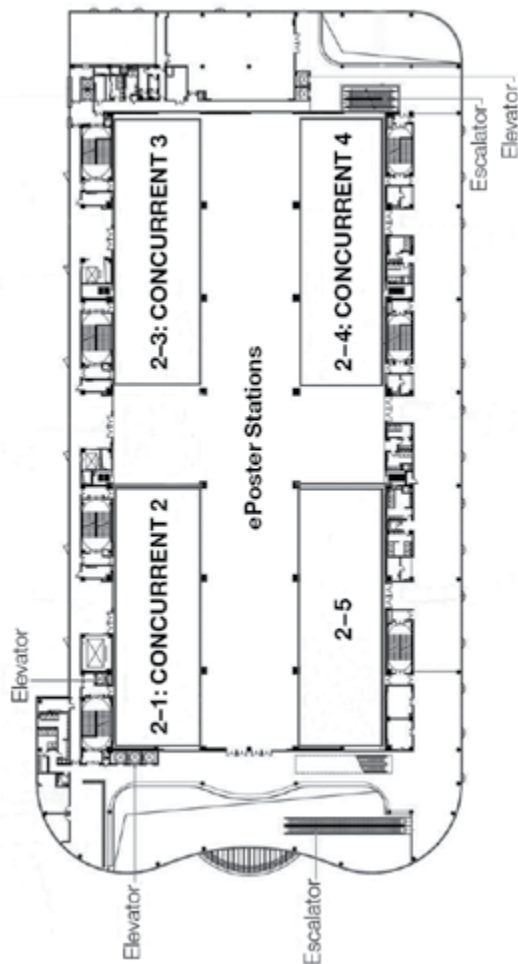
1F



3F



2F



3M



PRESIDENTIAL GUEST SPEAKER

The Way to Improve Psychological Rehabilitation – Trust Between Therapist and Injured Athlete

YAO MING



Room: General Session
Room 301

Date: Tuesday, June 6

Time: 09:35 – 10:10

Yao Ming is one of China's best-known athletes. Currently retired, Ming was a professional basketball player who played for the Shanghai Sharks of the Chinese Basketball Association (CBA) and the Houston Rockets of the National Basketball Association (NBA). At the time of his final season, he was the tallest active player in the NBA, at 7 feet 6 inches. He is the only player outside of the United States to lead the NBA in All-Star voting.

Born in Shanghai, Ming started playing for the CBA Shanghai Sharks as a teenager. After negotiating with the CBA and the Sharks to secure his release, Ming was selected by the Houston Rockets as the first overall pick in the 2002 NBA draft. He reached the NBA Playoffs four times, and the Rockets won a first-round series in the 2009 postseason—their first playoff series victory since 1997.

In July of 2011, Ming announced his retirement from professional basketball due to a series of foot and ankle injuries that forced him to miss 250 games in his last six seasons. In eight seasons with the Rockets, Yao ranks sixth among franchise leaders in total points and total rebounds, and second in total blocks. In April of 2016, Yao was inducted into the Naismith Memorial Basketball Hall of Fame—alongside Shaquille O'Neal and Allen Iverson.

Welcome Reception

Room: Exhibit Hall
1 – 1, Level 1F

Date: Sunday, June 4

Time: 17:30 – 20:00

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Presidential Address

Philippe N. Neyret, MD, PhD FRANCE
2015 – 2017 ISAKOS President

Room: General Session – 301, Level 3F

Date: Monday, June 5

Time: 10:20 – 10:45

ISAKOS Business Meetings I & II

ISAKOS Members Only

Room: General Session – 301, Level 3F

Date & Time: I – Monday, June 5
09:30 – 10:10

II – Wednesday, June 7
09:30 – 10:10

ISAKOS Congress Awards Ceremony

Room: General Session – 301, Level 3F

Date: Wednesday, June 7

Time: 10:15 – 10:40

Introduction of Society Presidents

Room: General Session – 301, Level 3F

Date: Wednesday, June 7

Time: 10:40 – 11:00

Passing of the Presidential Medallion

Room: General Session – 301, Level 3F

Date: Wednesday, June 7

Time: 10:55

2017 11TH BIENNIAL
ISAKOS
CONGRESS
JUNE 4–8, 2017
SHANGHAI, CHINA

Special Thanks to the 11th Biennial ISAKOS Congress Program Committee

Julian A. Feller, FRACS AUSTRALIA, Chair
Stefano Zaffagnini, MD, Prof. ITALY, Deputy Chair
Nobuo Adachi, MD, PhD JAPAN
Elizabeth A. Arendt, MD UNITED STATES
Gregory Ian Bain, MBBS, FRACS, PhD AUSTRALIA
John A. Bergfeld, MD UNITED STATES
Mark Clatworthy, FRACS NEW ZEALAND
Ramon Cugat, MD, PhD SPAIN
Pieter D'Hooghe, MD, MSc, MBA(s), PhD(s) QATAR
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Kenneth J. Hunt, MD UNITED STATES
Andreas B. Imhoff, MD, Prof. GERMANY
Dimitr Alexander Jontschew, MD GERMANY
Jason L. Koh, MD UNITED STATES
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Sebastien Lustig, MD, PhD, Prof. FRANCE
Robert G. Marx, MD, MSc, FRCSC UNITED STATES
Shuichi Matsuda, MD, PhD JAPAN
Nick Mohtadi, MD, MSc, FRCSC CANADA
Ignacio Muñoz Criado, MD SPAIN
Volker Musahl, MD UNITED STATES
Peter T. Myers, MBBS, FRACS, FAOrthA AUSTRALIA
Luigi Adriano Pederzini, MD ITALY
Sérgio Rocha Piedade, PhD BRAZIL
Kevin D. Plancher, MD UNITED STATES
Felix Henry Savoie III, MD UNITED STATES
Allston J. Stubbs, MD UNITED STATES
C. Niek Van Dijk, MD, PhD NETHERLANDS
Patrick Shu Hang Yung, FRCS(Orth Surgery), FHKCOS,
FHKAM, FRCS, MBChB HONG KONG
Anastasios D. Georgoulis, MD, Prof. GREECE, Past Chair

ISAKOS Business Meetings

ISAKOS MEMBERS ONLY

BUSINESS MEETING I

Room: General Session – 301, Level 3F
Date: Monday, June 5
Time: 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 & Board of Directors: Members at Large will be available to ISAKOS Active Members from 12:00 on Monday, June 5 until 12:00 on Tuesday, June 6.

Please visit www.isakos.com/myISAKOS.

BUSINESS MEETING II

Room: General Session – 301, Level 3F
Date: Wednesday, June 7
Time: 09:30 – 10:10

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 2017-2019 ISAKOS Board of Directors: Executive Committee & Members at Large
- Introduction of the Incoming President

2015 – 2017 BOARD OF DIRECTORS

SPECIAL THANKS TO

ISAKOS Executive Committee

Philippe N. Neyret, MD, PhD FRANCE, President
Marc R. Safran, MD UNITED STATES, First Vice President
Willem Mare van der Merwe, MBChB, FCS, SA Ortho
SOUTH AFRICA, Second Vice President
João Duarte Espregueira-Mendes, MD, PhD
PORTUGAL, Treasurer
Guillermo Arce, MD ARGENTINA, Assistant Treasurer
Jon Karlsson, Prof. SWEDEN, Secretary
David Anthony Parker, MBBS, BMedSci, FRACS
AUSTRALIA, Assistant Secretary
Shiyi Chen, MD, PhD CHINA, Consultant
Christopher Harner, MD UNITED STATES, Consultant
Masahiro Kurosaka, MD JAPAN, Past President

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Pieter Jordaan Erasmus, MBChB, MMed
SOUTH AFRICA
Vicente Gutierrez, MD CHILE
Philippe P. Hardy, MD, PhD, Prof. FRANCE
José F. Huylebroek, MD BELGIUM
Ryosuke Kuroda, MD, PhD JAPAN
Peter T. Myers, MBBS, FRACS, FAOrthA AUSTRALIA
David Anthony Parker, MBBS, BMedSci, FRACS
AUSTRALIA
Andre Pedrinelli, MD, Prof. BRAZIL
Felix Henry Savoie III, MD UNITED STATES
Daniel Adolfo Slullitel, MD, Prof. ARGENTINA

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ISAKOS Membership

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JOURNAL OF ISAKOS

Joint Disorders & Orthopaedic Sports Medicine



JISAKOS synthesizes the latest research and evidence-based guidelines in orthopaedic sports medicine – including joint disorders – to provide busy specialists a thorough reference for diagnosing and treating patients.



AIMS AND SCOPE

Journal of ISAKOS (JISAKOS) publishes high-quality peer-reviewed review articles.

The journal covers important topics that serve to engage and advance the knowledge and treatment of musculoskeletal diseases and disorders among specialists and other interested health professionals.

Key fields of interest include:

- Orthopaedic sports medicine
- Sports Traumatology
- Arthroscopy
- Open and Arthroscopic Knee Surgery
- Degenerative Joint Disease
- Arthroplasty
- Foot and Ankle
- Hip
- Elbow and Wrist
- Sports Injury Rehabilitation

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ISAKOS members enjoy **free** access to *JISAKOS* as part of their member benefits.

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BMJ

07:30 – 08:00 VISIT THE EXHIBITS

ROOM 301: GENERAL SESSION

08:00 – 08:45	OPENING CEREMONY
08:00 – 08:10	Presidential Welcome <i>Philippe N. Neyret, MD, PhD FRANCE</i> <i>ISAKOS President 2015 – 2017</i>
08:10 – 08:20	Local Host Welcome & Recognition of Local Dignitaries <i>Shiyi Chen, MD, PhD CHINA</i> <i>Co-Chair, ISAKOS Shanghai Congress</i>
08:20 – 08:35	Announcement of Honorary Members <i>Philippe N. Neyret, MD, PhD FRANCE</i> <i>ISAKOS President 2015 – 2017</i>
08:35 – 08:45	Program Chairman Remarks <i>Julian Feller, FRACS AUSTRALIA</i> <i>11th Biennial ISAKOS Congress</i> <i>Program Chair</i>
08:45 – 09:00	Transition to Session Rooms
09:00 – 12:00	KNEE: ACL AND ROTATION
09:00 – 10:00	Surgical Demonstration: Single Anteromedial Bundle Biological Augmentation <i>Bertrand Sonnerly-Cottet, MD FRANCE</i> <i>Moderator: Moises Cohen, MD, PhD, Prof. BRAZIL</i>
10:00 – 11:00	Symposium: Bundle ACL Reconstruction Concept: Reevaluation and Outcomes – A Call for an Individualized Approach Co-Chairs: Freddie H. Fu, MD UNITED STATES Wei Lu, MD, PhD, Prof. CHINA <i>Willem Mare van der Merwe, MBChB, FCS, SA Ortho SOUTH AFRICA</i> <i>Jia-Kuo Yu, MD, PhD CHINA</i> <i>Lei Zhang, MD, PhD CHINA</i>
11:00 – 12:00	Symposium: Remnant Preserving ACL Reconstruction: Advantages and Disadvantages Chair: Mitsuo Ochi, MD, PhD JAPAN <i>Masataka Deie, MD, PhD, Prof. JAPAN</i> <i>Yasuyuki Ishibashi, MD JAPAN</i> <i>Masahiro Kurosaka, MD JAPAN</i> <i>Bertrand Sonnerly-Cottet, MD FRANCE</i>
12:00 – 12:15	Walking Break
12:15 – 13:30	LUNCH TIME SESSIONS* – see page 44
13:30 – 15:00	KNEE – MENISCUS
13:30 – 14:30	Symposium: The Menisectomized Knee Chair: Andreas H. Gomoll, MD UNITED STATES <i>Chih-Hwa Chen, MD TAIWAN</i> <i>Marco Kawamura Demange, MD, PhD BRAZIL</i> <i>Joan Carles Monllau, MD, PhD, Prof. SPAIN</i> <i>Peter Verdonk, MD, PhD BELGIUM</i>
14:30 – 15:00	Paper #1 – 5: Meniscus <i>Moderators: Chih-Hwa Chen, MD TAIWAN</i> <i>Peter Verdonk, MD, PhD BELGIUM</i>
15:00 – 15:30	Break to Visit the Exhibits

15:30 – 17:30	KNEE – ARTHROPLASTY
15:30 – 16:30	Symposium: Preserving the Anterior Cruciate Ligament in Knee Arthroplasty Chair: Paolo Adravanti, MD ITALY <i>Jeffrey H. DeClaire, MD UNITED STATES</i> <i>William Jackson, FRCS(Orth), MD UNITED KINGDOM</i> <i>Andrew James Price, DPhil, FRCS(Orth) UNITED KINGDOM</i> <i>Emmanuel Thienpont, MD BELGIUM</i> <i>Anders Troelsen, MD, PhD, DMSc, Prof. DENMARK</i>
16:30 – 17:30	Surgical Demonstration: Robotic-Assisted Bi-Cruciate Substituting Total Knee Replacement <i>David Mayman, MD UNITED STATES</i> <i>Moderator: Sebastien Lustig, MD, PhD, Prof. FRANCE</i>

17:30 – 20:00 WELCOME RECEPTION – EXHIBIT HALL

ROOM 2 – 1: CONCURRENT 2

09:00 – 11:15	HIP
09:00 – 09:45	Symposium: Hip Pain in the Athlete: Evidence Based Tools for Diagnosis Chair: Marc J. Philippon, MD UNITED STATES <i>Asheesh Bedi, MD UNITED STATES</i> <i>Nicolas Bonin, MD FRANCE</i> <i>Soshi Uchida, MD, PhD JAPAN</i>
09:45 – 10:15	Paper #6 – 10: Hip <i>Moderator: Asheesh Bedi, MD UNITED STATES</i>
10:15 – 10:45	Surgical Demonstration: Hip Labral Repair <i>Marc J. Philippon, MD UNITED STATES</i> <i>Moderator: J.W. Thomas Byrd, MD UNITED STATES</i>
10:45 – 11:15	Paper #11 – 15: Hip <i>Moderators:</i> <i>Nick Mohtadi, MD, MSc, FRCSC CANADA</i> <i>Soshi Uchida, MD, PhD JAPAN</i>
11:15 – 12:00	KNEE ARTHROPLASTY
11:15 – 12:00	Surgical Demonstration: Tibia First Balanced Femur Total Knee Arthroplasty <i>Mark Clatworthy, FRACS NEW ZEALAND</i> <i>Moderator: Nicolaas Cyrilus Budhiparama, MD, FICS INDONESIA</i>
12:00 – 12:15	Walking Break
12:15 – 13:30	LUNCH TIME SESSIONS* – see page 44
13:30 – 15:00	SPORTS MEDICINE
13:30 – 14:30	Symposium: Hamstring Injuries: Causation, Treatment and Prevention Chair: David Wood, FRACS AUSTRALIA <i>Julian A. Feller, FRACS AUSTRALIA</i> <i>Francois M. Kelberine, MD FRANCE</i> <i>Peter T. Myers, MBBS, FRACS, FAOrthA AUSTRALIA</i>

ROOM 2-1: CONCURRENT 2	
14:30 – 14:45	Award Presentation: Achilles Award Presentation The Lateral Meniscus Posterior Root and Meniscofemoral Ligaments are Stabilizing Structures in the ACL Deficient Knee: A Biomechanical Study Gilbert Moatshe, MD NORWAY <i>Moderator: Robert F. LaPrade, MD, PhD UNITED STATES</i>
14:45 – 15:00	Paper #16 – 18: Tendon <i>Moderator: Peter T. Myers, MBBS, FRACS, FAOrthA AUSTRALIA</i>
15:00 – 15:30	Break to Visit the Exhibits
15:30 – 17:30	BIOLOGICS
15:30 – 16:00	Jan Gillquist Scientific Award Paper Presentations: Paper #19 – 23 <i>Moderators: Jason L. Koh, MD UNITED STATES</i> <i>Volker Musahl, MD UNITED STATES</i>
16:00 – 16:45	Partner Society Symposium – APKASS: The Current Status of Stem Cell Therapies for the Knee Moderators: Chih-Hwa Chen, MD TAIWAN David Anthony Parker, MBBS, BMedSci, FRACS AUSTRALIA <i>Shiyi Chen, MD, PhD CHINA</i> <i>Myung Chul Lee, MD, PhD, Prof. REPUBLIC OF KOREA</i> <i>Mitsuo Ochi, MD, PhD JAPAN</i> <i>Patrick Shu Hang Yung, FRCS(Orth Surgery), FHKCOS, FHKAM, FRCS, MBChB HONG KONG</i>
16:45 – 17:05	Gong Show – Paper #24 – 28: Injectables & PRP <i>Moderators: Mats Georg Brittberg, MD, PhD, Prof. SWEDEN</i> <i>Mark Clatworthy, FRACS NEW ZEALAND</i>
17:05 – 17:30	Gong Show – Paper #29 – 34: Articular Cartilage <i>Moderators: Mats Georg Brittberg, MD, PhD, Prof. SWEDEN</i> <i>Mark Clatworthy, FRACS NEW ZEALAND</i>
ROOM 2-3: CONCURRENT 3	
09:00 – 12:00	SHOULDER – ROTATOR CUFF
09:00 – 10:00	Symposium: Rotator Cuff Injuries: A Case Based Approach Chair: Emilio Calvo, MD, PhD, MBA SPAIN <i>Francesco Franceschi, MD, PhD ITALY</i> <i>Stephen C. Weber, MD UNITED STATES</i>
10:00 – 10:30	Paper #35 – 39: Rotator Cuff <i>Moderators: José F. Huylebroek, MD BELGIUM</i> <i>Stephen C. Weber, MD UNITED STATES</i>
10:30 – 11:00	Paper #40 – 44: Rotator Cuff – Biologics <i>Moderators: José F. Huylebroek, MD BELGIUM</i> <i>Stephen C. Weber, MD UNITED STATES</i>
11:00 – 12:00	Symposium: Rotator Cuff Repair and Shoulder Stiffness Chair: Jiwu Chen, MD, PhD CHINA <i>Seung-Ho Kim, MD, PhD REPUBLIC OF KOREA</i> <i>Hiroyuki Sugaya, MD JAPAN</i> <i>Bruno Toussaint, MD FRANCE</i>

ROOM 2-3: CONCURRENT 3	
12:00 – 12:15	Walking Break
12:15 – 13:30	LUNCH TIME SESSIONS* – see page 44
13:30 – 15:00	SHOULDER – INSTABILITY
13:30 – 14:30	Surgical Demonstration: Arthroscopic Bone Block for the Treatment of Glenoid Bone Loss <i>Ettore Taverna, MD ITALY</i> <i>Moderator: Patrick Shu Hang Yung, FRCS(Orth Surgery), FHKCOS, FHKAM, FRCS, MBChB HONG KONG</i>
14:30 – 15:00	Paper #45 – 49: Shoulder <i>Moderators: Seung-Ho Kim, MD, PhD REPUBLIC OF KOREA</i> <i>Roshan Wade, MS Ortho, D Ortho FCPS, DNB Ortho INDIA</i>
15:00 – 15:30	Break to Visit the Exhibits
15:30 – 17:30	SHOULDER – INSTABILITY
15:30 – 16:00	Paper Presentation Block: Paper #50 – 54: Shoulder Instability <i>Moderator: Roshan Wade, MS Ortho, D Ortho FCPS, DNB Ortho INDIA</i>
16:00 – 17:00	Symposium: The First Time Dislocator – Should We Be Fixing Them Early? Chair: Philippe P. Hardy, MD, PhD, Prof. FRANCE <i>Knut Beitzel, MD, MA GERMANY</i> <i>Mark Ferguson, MD SOUTH AFRICA</i> <i>Andreas B. Imhoff, MD, Prof. GERMANY</i> <i>Chun Yan Jiang, MD, PhD CHINA</i>
17:00 – 17:30	Paper #55 – 59: Shoulder <i>Moderators: Knut Beitzel, MD, MA GERMANY</i> <i>Mark Ferguson, MD SOUTH AFRICA</i>
ROOM 2-4: CONCURRENT 4	
09:00 – 10:30	ELBOW
09:00 – 10:00	Symposium: Sports Injuries of the Elbow Chair: Luigi Adriano Pederzini, MD ITALY <i>Michael Thomas Freehill, MD UNITED STATES</i> <i>Gregory Alexander Hoy, FRACS, FAOrthA, FACSP, FASMF AUSTRALIA</i> <i>Luke Seuk-Zin Oh, MD UNITED STATES</i>
10:00 – 10:30	Paper #78 & 80: Elbow <i>Moderators: Michael Thomas Freehill, MD UNITED STATES</i> <i>Gregory Alexander Hoy, FRACS, FAOrthA, FACSP, FASMF AUSTRALIA</i>
10:30 – 12:00	KNEE: PATELLOFEMORAL
10:30 – 11:15	Paper #60 – 65: Patellofemoral Foundation Symposium – Patellar Instability <i>Moderators: Karl Fredrik Almqvist, MD, PhD UNITED ARAB EMIRATES</i> <i>William R. Post, MD UNITED STATES</i>
11:15 – 11:30	Award Presentation: Patellofemoral Research Excellence Award – Presentation of Winning Manuscript Comparison of Soft Tissue and Bone Graft Fixation for Reconstruction of the Medial Patellofemoral Ligament. A Randomized Controlled Trial <i>Martin Lind, Prof., MD, PhD DENMARK</i>

SUNDAY, JUNE 4, 2017

07:30 – 08:00 VISIT THE EXHIBITS

ROOM 2-4: CONCURRENT 4	
11:30 – 11:40	Award Presentation: Patellofemoral Traveling Fellowship Presentation <i>Jacqueline Munch Brady, MD</i> UNITED STATES <i>Nikolaos K. Paschos MD, PhD</i> UNITED STATES
11:40 – 12:00	Paper #66 – 69: Patellar Instability
12:00 – 12:15	Walking Break
12:15 – 13:30	LUNCH TIME SESSIONS* – see page 44
13:30 – 15:00	KNEE
13:30 – 14:00	Paper #70 – 75: Patellar Instability <i>Moderators: Elizabeth A. Arendt, MD</i> UNITED STATES <i>Petri J. Sillanpää, MD, PhD</i> FINLAND
14:00 – 15:00	Symposium: Management of the High Rotating Knee Chair: Stefano Zaffagnini, MD, Prof. ITALY <i>João Duarte Espregueira-Mendes, MD, PhD</i> PORTUGAL <i>Julian A. Feller, FRACS</i> AUSTRALIA <i>Ryosuke Kuroda, MD, PhD</i> JAPAN <i>Volker Musahl, MD</i> UNITED STATES
15:00 – 15:30	Break to Visit the Exhibits
15:30 – 17:30	KNEE – ACL
15:30 – 16:30	Surgical Demonstration: Anatomical ACL Reconstruction <i>Freddie H. Fu, MD</i> UNITED STATES <i>Moderator: Charles H. Brown, Jr., MD</i> UNITED ARAB EMIRATES
16:30 – 16:45	Award Presentation: Albert Trillat Award: Presentation of Winning Manuscript Anterior Cruciate Ligament Reconstruction with or without a Lateral Extra-Articular Tenodesis – Early Functional Outcomes of the ISAKOS Sponsored Stability Study <i>Alan Getgood, MD, FRCS(Tr&Orth), DipSEM</i> CANADA <i>Moderators: Annunziato Amendola, MD</i> UNITED STATES <i>Elizabeth A. Arendt, MD</i> UNITED STATES
16:45 – 17:00	Lecture: The Role of the Double Bundle ACL <i>Jia-Kuo Yu, MD, PhD</i> CHINA <i>Moderator: Annunziato Amendola, MD</i> UNITED STATES
17:00 – 17:30	Paper #81 – 85: Knee – ACL <i>Moderators: Annunziato Amendola, MD</i> UNITED STATES <i>Sachin Ramchandra Tapasvi, MBBS, MS, DNB, FRCS</i> INDIA

WELCOME RECEPTION

Sunday, June 4
Exhibit Hall, 1 – 1
17:30 – 20:00

MONDAY, JUNE 5, 2017

07:00 – 07:30 VISIT THE EXHIBITS

07:30 – 09:00 INSTRUCTIONAL COURSE LECTURES (FOR FULL LIST, PLEASE SEE PAGE 36)

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

ROOM 301: GENERAL SESSION	
09:30 – 10:10	ISAKOS Business Meeting I – ISAKOS Members Only
10:10 – 10:15	Transition from Business Meeting to Opening Session
10:15 – 10:45	OPENING SESSION
10:15 – 10:20	ISAKOS Presidential Introduction <i>Masahiro Kurosaka, MD</i> ISAKOS Past President 2013 – 2015
10:20 – 10:45	ISAKOS Presidential Lecture <i>Philippe N. Neyret, MD, PhD</i> ISAKOS President 2015 – 2017
10:45 – 11:00	Transition to Session Rooms
11:00 – 12:00	KNEE – OSTEOTOMY
11:00 – 12:00	Symposium: Opening Wedge High Tibial Osteotomy: Which Patient? When? How? A Case Based Approach Chair: Mark Clatworthy, FRACS NEW ZEALAND <i>Gianluca Camillieri, MD</i> ITALY <i>Yong In, MD, PhD</i> REPUBLIC OF KOREA <i>Philippe N. Neyret, MD, PhD</i> FRANCE <i>Tomoyuki Saito, MD, PhD</i> JAPAN <i>Christopher J. Vertullo, MBBS, FRACS</i> (Orth), FAOrthA AUSTRALIA
12:00 – 12:15	Walking Break
12:15 – 13:30	LUNCH TIME SESSIONS* – see page 44
13:30 – 15:00	SHOULDER
13:30 – 14:00	Award Presentation: Paper #261 – 264: Richard B. Caspari Award – Finalist Presentations <i>Moderators: Andreas B. Imhoff, MD, Prof.</i> GERMANY <i>Felix Henry Savoie III, MD</i> UNITED STATES
14:00 – 14:45	Surgical Demonstration: Rotator Cuff Repair <i>Ian King Yeung Lo, MD</i> CANADA <i>Moderator: Jeffrey S. Abrams, MD</i> UNITED STATES
14:45 – 15:00	Lecture: Outcomes of Rotator Cuff Repair <i>Stephen C. Weber, MD</i> UNITED STATES
15:00 – 15:30	Break to Visit the Exhibits
15:30 – 17:30	KNEE
15:30 – 16:30	Symposium: Management of Pediatric ACL Chair: Allen F. Anderson, MD UNITED STATES <i>Moises Cohen, MD, PhD, Prof.</i> BRAZIL <i>Volker Musahl, MD</i> UNITED STATES <i>Justin P. Roe, FRACS, A/Prof.</i> AUSTRALIA <i>Stefano Zaffagnini, MD, Prof.</i> ITALY
16:30 – 17:30	Symposium: Genetics in Knee Injuries Chair: Moises Cohen, MD, PhD, Prof. BRAZIL <i>Diego Costa Astur, MD, PhD</i> BRAZIL <i>Asheesh Bedi, MD</i> UNITED STATES <i>Carlos Eduardo Da Silveira Franciozi, MD, PhD, Prof.</i> BRAZIL <i>Willem Mare van der Merwe, MBChB, FCS, SA Ortho</i> SOUTH AFRICA

07:00 – 07:30 VISIT THE EXHIBITS

07:30 – 09:00 INSTRUCTIONAL COURSE LECTURES (FOR FULL LIST, PLEASE SEE PAGE 36)

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

ROOM 2-1: CONCURRENT 2	
11:00 – 12:00	FOOT & ANKLE
11:00 – 12:00	Symposium: The Evolution of Ankle Repair Chair: Hélder Miguel Duarte Pereira, MD PORTUGAL Annunziato Amendola, MD UNITED STATES Kenneth J. Hunt, MD UNITED STATES C. Niek Van Dijk, MD, PhD NETHERLANDS
12:00 – 12:15	Walking Break
12:15 – 13:30	LUNCH TIME SESSIONS* – see page 44
13:30 – 15:30	FOOT & ANKLE
13:30 – 14:00	Paper #86 – 90: Foot & Ankle Moderators: Gino M.M.J. Kerkhoffs, MD, PhD, Prof. NETHERLANDS Mohammad Razi, MD ISLAMIC REPUBLIC OF IRAN
14:00 – 15:30	Symposium: Expanding the Role of Arthroscopy in Foot & Ankle Surgery Chair: Annunziato Amendola, MD UNITED STATES Harvinder Singh Bedi, FRACS, MPH AUSTRALIA Stéphane Guillo, MD FRANCE Kenneth J. Hunt, MD UNITED STATES Andrea Nicole Veljkovic, MD CANADA
15:00 – 15:30	Break to Visit the Exhibits
15:30 – 17:30	SHOULDER
15:30 – 16:15	Surgical Demonstration: Posterior Instability Repair Felix Henry Savoie III, MD UNITED STATES Moderators: Philippe Landreau, MD QATAR Ian King Yeung Lo, MD CANADA
16:15 – 16:30	Special Presentation: Masaki Watanabe Arthroscopy Traveling Fellows Presentation Hong Li, MD CHINA Bujar Shabani, PhD ALBANIA Moderator: Kevin P. Shea, MD UNITED STATES
16:30 – 17:30	Gong Show – Paper #91 – 104: Upper Limb Moderator: John Tokish, MD UNITED STATES
11:00 – 12:00	KNEE – ARTHROPLASTY
11:00 – 12:00	Symposium: Management of Infected Total Knee Arthroplasty Chair: Sebastien Lustig, MD, PhD, Prof. FRANCE Thomas Bauer, MD, PhD FRANCE Nicolaas Cyrillus Budhiparama, MD, FICS INDONESIA Sébastien Parratte, Prof., MD, PhD FRANCE
12:00 – 12:15	Walking Break
12:15 – 13:30	LUNCH TIME SESSIONS* – see page 44

ROOM 2-3: CONCURRENT 3	
13:30 – 15:30	SPORTS MEDICINE
13:30 – 14:15	Partner Society Symposium – AOSSM: Return to Sports & Prevention of Re-Injury Moderator: Annunziato Amendola, MD UNITED STATES Allen F. Anderson, MD UNITED STATES Christopher C. Kaeding, MD UNITED STATES
14:15 – 14:45	Paper #105 – 109: ACL Reconstruction: Return to Sport Moderators: Christian Hoser, MD AUSTRIA John Bergfeld, MD UNITED STATES
14:45 – 15:00	Lecture: Conflict of Interest for Team Doctor with Regard to Coach versus Player versus Trainer Peter A. Indelicato, MD UNITED STATES Moderator: John Bergfeld, MD UNITED STATES
15:00 – 15:30	Break to Visit the Exhibits
15:30 – 17:30	KNEE – ARTHROPLASTY
15:30 – 16:30	Symposium: Target for Appropriate Alignment in Total Knee Arthroplasty – Mechanical vs. Kinematic Alignment Chair: Maurilio Marcacci, MD ITALY Mark Clatworthy, FRACS NEW ZEALAND Stephen M. Howell, MD UNITED STATES William John Long, MD, FRCS(Orth) UNITED STATES Eun Kyoo Song, Prof., MD, PhD REPUBLIC OF KOREA
16:30 – 16:45	Lecture: Robotic-Assisted Partial Knee Arthroplasty Ugur Haklar, Prof., MD TURKEY
16:45 – 17:30	Paper #110 – 116: Knee Arthroplasty Moderators: David Figueroa, MD, Prof. CHILE Andrew James Price, DPhil, FRCS(Orth) UNITED KINGDOM

07:00 – 07:30 VISIT THE EXHIBITS

07:30 – 09:00 INSTRUCTIONAL COURSE LECTURES (FOR FULL LIST, PLEASE SEE PAGE 36)

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

ROOM 2-4: CONCURRENT 4	
11:00 – 12:00	ELBOW
11:00 – 11:30	Award Presentation: Paper #76, 77 & 79: <i>Gary G. Poehling Award –</i> <i>Finalist Presentations</i> <i>Moderator: Margaret Woon Man Fok,</i> <i>FRCS(ortho), MBChB (Otago)</i> <i>HONG KONG</i> <i>Francois M. Kelberine, MD FRANCE</i>
11:30 – 11:45	Lecture: OCD of the Elbow <i>Luke Seuk-Zin Oh, MD UNITED STATES</i>
11:45 – 12:00	Paper #117 – 118: Elbow – OCD <i>Moderators: Margaret Woon Man Fok,</i> <i>FRCS(ortho), MBChB (Otago)</i> <i>HONG KONG</i> <i>Francois M. Kelberine, MD FRANCE</i>
12:00 – 12:15	Walking Break
12:15 – 13:30	LUNCH TIME SESSIONS* – see page 44
13:30 – 15:00	KNEE – ANTERIOR KNEE PAIN
13:30 – 14:30	Symposium: The Assessment and Safe Management of Patients with Patellofemoral Pain Co-Chairs: Scott F. Dye, MD UNITED STATES Vicente Sanchis-Alfonso, MD, PhD SPAIN <i>David Henri Dejour, MD FRANCE</i> <i>William R. Post, MD UNITED STATES</i> <i>Lynn Snyder-Mackler, PT, ScD, FAPTA</i> <i>UNITED STATES</i>
14:30 – 15:00	Paper #119 – 123: Anterior Knee Pain <i>Moderators: William R. Post, MD</i> <i>UNITED STATES</i> <i>Vicente Sanchis-Alfonso, MD, PhD SPAIN</i>
15:00 – 15:30	Break to Visit the Exhibits
15:30 – 17:30	KNEE – MENISCUS
15:30 – 16:30	Symposium: Meniscus Root Tears – The Silent Epidemic Chair: Jin Goo Kim, MD, PhD REPUBLIC OF KOREA <i>Sebastian Kopf, MD, PhD GERMANY</i> <i>Peter T. Myers, MBBS, FRACS, FAOrthA</i> <i>AUSTRALIA</i> <i>Romain Seil, Prof., MD LUXEMBOURG</i> <i>Jia-Lin Wu, MD, MS TAIWAN</i>
16:30 – 17:30	Surgical Demonstration: Meniscal Root Repair <i>Hua Feng, MD CHINA</i> <i>Robert F. LaPrade, MD, PhD</i> <i>UNITED STATES</i> <i>Moderator: James Robinson, MBBS, MRCS,</i> <i>FRCS(orth), MS UNITED KINGDOM</i>

ROOM 301: GENERAL SESSION	
09:30 – 10:30	OPENING SESSION
09:30 – 09:35	Presidential Guest Lecture Introduction <i>Philippe N. Neyret, MD, PhD FRANCE</i> <i>ISAKOS President 2015 – 2017</i>
09:35 – 10:10	Presidential Guest Lecture: The Way to Improve Psychological Rehabilitation – Trust Between Therapist and Injured Athlete Yao Ming
10:10 – 10:20	The Future of Sport & Football Medicine <i>Jiri Dvorak, Prof. SWITZERLAND</i>
10:20 – 10:30	12th Biennial ISAKOS Congress Presentation – Cancun! <i>Marc R. Safran, MD UNITED STATES</i> <i>ISAKOS President 2017 – 2019</i> <i>Stefano Zaffagnini, MD, Prof. ITALY</i> <i>12th Biennial ISAKOS Congress</i> <i>Program Chair</i>
10:30 – 10:45	Transition to Session Rooms
10:45 – 12:00	KNEE – ACL
10:45 – 11:45	Symposium: Large Cohort, Long Term Outcome of ACL Reconstruction Co-Chairs: Yingfang Ao, MD CHINA Philippe N. Neyret, MD, PhD FRANCE <i>Christopher C. Kaeding, MD</i> <i>UNITED STATES</i> <i>Sung-Jae Kim, MD, PhD, FACS</i> <i>REPUBLIC OF KOREA</i> <i>Justin P. Roe, FRACS, A/Prof. AUSTRALIA</i> <i>Kate E. Webster, PhD AUSTRALIA</i>
11:45 – 12:00	Lecture: ACL Healing with Degradable Scaffolds <i>Savio L-Y. Woo, PhD, DSc, DEng</i> <i>UNITED STATES</i> <i>Moderator: John Bartlett, MB BS FRACS</i> <i>FAOrthA AUSTRALIA</i>
12:00 – 12:15	Walking Break
12:15 – 13:30	LUNCH TIME SESSIONS* – see page 44
13:30 – 15:00	KNEE: MCL & PATELLAR INSTABILITY
13:30 – 14:15	Partner Society Symposium – SLARD: Medial Collateral Ligament – From Anatomy to Reconstruction Moderator: David Figueroa, MD, Prof. CHILE <i>Gustavo Gonçalves Arliani, MD, PhD, Prof.</i> <i>BRAZIL</i> <i>Rodrigo Maestu, MD ARGENTINA</i> <i>Gustavo A. Rincon, MD COLOMBIA</i> <i>Alex Vaisman, MD CHILE</i>
14:15 – 15:00	Surgical Demonstration: Patellar Instability David Henri Dejour, MD FRANCE Sachin Ramchandra Tapasvi, MBBS, MS, DNB, FRCS INDIA <i>Moderator: Elizabeth A. Arendt, MD</i> <i>UNITED STATES</i>
15:00 – 15:30	Break to Visit the Exhibits

07:00 – 07:30 VISIT THE EXHIBITS

07:30 – 09:00 INSTRUCTIONAL COURSE LECTURES (FOR FULL LIST, PLEASE SEE PAGE 36)

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

ROOM 301: GENERAL SESSION	
15:30 – 17:30	KNEE – PATELLAR DISLOCATION
15:30 – 16:30	Symposium: Management of the First Time Patellar Dislocation Chair: Diane Lynn Dahm, MD UNITED STATES <i>Pieter J. Erasmus, MBChB, MMed</i> SOUTH AFRICA <i>Robert A. Magnussen, MD, MPH</i> UNITED STATES <i>Mitsuo Ochi, MD, PhD</i> JAPAN <i>Elvire Servien, MD, PhD, Prof.</i> FRANCE <i>Petri J. Sillanpää, MD, PhD</i> FINLAND
16:30 – 17:30	Gong Show – Paper #124 – 135: Lower Limb Moderators: Christopher C. Kaeding, MD UNITED STATES <i>Robert G. Marx, MD, MSc, FRCSC</i> UNITED STATES
ROOM 2-1: CONCURRENT 2	
10:45 – 12:00	RESEARCH
10:45 – 11:30	Symposium: Research Methodology: How to do it Chair: Volker Musahl, MD UNITED STATES <i>Paulo Henrique Mendes Araujo, MD, PhD</i> BRAZIL <i>Olufemi Rolland Ayeni, MD, MSc, FRCSC</i> CANADA <i>Michael Tobias Hirschmann, MD</i> SWITZERLAND <i>Jason L. Koh, MD</i> UNITED STATES
11:30 – 12:00	Paper #136 – 141: ISAKOS Research Studies Moderators: Olufemi Rolland Ayeni, MD, MSc, FRCSC CANADA <i>Robert A. Magnussen, MD, MPH</i> UNITED STATES
12:00 – 12:15	Walking Break
12:15 – 13:30	LUNCH TIME SESSIONS* – see page 44
13:30 – 15:00	SPORTS MEDICINE
13:30 – 14:00	Paper #142 – 146: Sports Medicine Moderators: Kai-Ming Chan, MBBS, MCH(ORTH), FRCPS(G), FRCS(E), FRCS. ED(ORTH) HONG KONG <i>Diane Lynn Dahm, MD</i> UNITED STATES
14:00 – 15:00	Symposium: Intriguing Tendinopathies in Sport: Pathophysiology to Regenerative Technology Chair: Kai-Ming Chan, MBBS, MCH(ORTH), FRCPS(G), FRCS(E), FRCS. ED(ORTH) HONG KONG <i>Kanglai Tang, MD, PhD, Prof.</i> CHINA <i>James H-C. Wang, PhD</i> UNITED STATES <i>Ming Hao Zheng, PhD, DM, FRCPath,</i> FRCPA AUSTRALIA
15:00 – 15:30	Break to Visit the Exhibits

ROOM 2-1: CONCURRENT 2	
15:30 – 17:30	ARTHROSCOPY – GENERAL TOPICS
15:30 – 16:30	Symposium: How to Teach Arthroscopy Chair: Alberto Gobbi, MD ITALY <i>Moises Cohen, MD, PhD, Prof.</i> BRAZIL <i>João Duarte Espregueira-Mendes, MD, PhD</i> PORTUGAL <i>Mustafa Karahan, Prof.</i> TURKEY <i>Luigi Adriano Pederzini, MD</i> ITALY
16:30 – 17:00	Award Presentation: Paper #257 – 260: John J. Joyce Award – Finalist Presentations Moderator: Mustafa Karahan, Prof. TURKEY
17:00 – 17:30	Paper #147 – 151: Arthroscopy Moderators: Mustafa Karahan, Prof. TURKEY
ROOM 2-3: CONCURRENT 3	
10:45 – 12:00	SHOULDER – ROTATOR CUFF
10:45 – 11:30	Surgical Demonstration: Treating Complex Rotator Cuff Tears <i>Yong-Girl Rhee, MD</i> REPUBLIC OF KOREA Moderator: Jeffrey S. Abrams, MD UNITED STATES
11:30 – 12:00	Paper #152 – 156: Rotator Cuff Repair Moderators: <i>Vicente Gutierrez, MD</i> CHILE <i>Dan Guttman, MD</i> UNITED STATES
12:00 – 12:15	Walking Break
12:15 – 13:30	LUNCH TIME SESSIONS* – see page 44
13:30 – 15:00	KNEE – OSTEOTOMY
13:30 – 14:15	Paper #157 – 163: Osteotomy Moderators: Horacio F. Rivarola Etcheto, MD ARGENTINA <i>Steffen Schröter, MD, PD</i> GERMANY
14:15 – 15:00	Partner Society Symposium – ESSKA: Osteotomy Chair: Romain Seil, Prof., MD LUXEMBOURG Moderator: Matteo Denti, MD ITALY <i>David Henri Dejour, MD</i> FRANCE <i>Steffen Schröter, MD, PD</i> GERMANY
15:00 – 15:30	Break to Visit the Exhibits
15:30 – 17:30	KNEE – ARTHROPLASTY
15:30 – 16:30	Symposium: New Technologies and Future in Total Knee Arthroplasty Chair: Andrew D. Pearle, MD UNITED STATES <i>Fabio Catani, Prof.</i> ITALY <i>Sebastien Lustig, MD, PhD, Prof.</i> FRANCE <i>Shuichi Matsuda, MD, PhD</i> JAPAN <i>Denis Nam, MD, MSc</i> UNITED STATES <i>Alfred J. Tria, Jr., MD</i> UNITED STATES

07:00 – 07:30 VISIT THE EXHIBITS

07:30 – 09:00 INSTRUCTIONAL COURSE LECTURES (FOR FULL LIST, PLEASE SEE PAGE 36)

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

ROOM 2-3: CONCURRENT 3

- 16:30 – 17:00 **Paper #164 – 168: TKA – Outcomes**
Moderators:
Yong In, MD, PhD REPUBLIC OF KOREA
- 17:00 – 17:30 **Paper #169 – 173: TKA – Patient Satisfaction**
Moderators:
Yong In, MD, PhD REPUBLIC OF KOREA

ROOM 2-4: CONCURRENT 4

- 10:45 – 12:00 **CARTILAGE**
10:45 – 12:00 **Symposium: Cartilage Treatment Options 2017**
Chair: Norimasa Nakamura, MD, PhD JAPAN
Vladimir Bobic, Prof., MD, FRCSEd UNITED KINGDOM
Mats Georg Brittberg, MD, PhD, Prof. SWEDEN
Scott D. Gillogly, MD QATAR
Alberto Gobbi, MD ITALY
Daniel Saris, Prof. dr. NETHERLANDS
- 12:00 – 12:15 **Walking Break**
- 12:15 – 13:30 **LUNCH TIME SESSIONS* – see page 44**
- 13:30 – 15:00 **KNEE: LATERAL EXTRA-ARTICULAR TENODESIS**
13:30 – 14:15 **Surgical Demonstration: Lateral Extra-Articular Tenodesis**
Andy Williams, MBBS, FRCS, FRCS (Orth), FFSEM(UK) UNITED KINGDOM
Moderator: Andrew A. Amis, FREng, PhD, DSc UNITED KINGDOM
- 14:15 – 14:30 **Lecture: History of Lateral Extra-Articular Tenodesis**
Philippe Landreau, MD QATAR
Moderator: Andrew A. Amis, FREng, PhD, DSc UNITED KINGDOM
- 14:30 – 15:00 **Paper #174 – 178: Lateral Extra-Articular Tenodesis**
Moderator: Andrew A. Amis, FREng, PhD, DSc UNITED KINGDOM
Pablo E. Gelber, MD, PhD SPAIN
- 15:00 – 15:30 **Break to Visit the Exhibits**
- 15:30 – 17:30 **ELBOW**
15:30 – 16:30 **Symposium: Tendon and Ligament Injuries in the Elbow**
Chair: Luke Seuk-Zin Oh, MD UNITED STATES
Michael Thomas Freehill, MD UNITED STATES
Gregory Alexander Hoy, FRACS, FAOrthA, FACSP, FASMF AUSTRALIA
Alessandro Marinelli, MD ITALY
Kilian Wegmann, MD, PhD GERMANY
- 16:30 – 17:30 **Symposium: The Stiff Elbow**
Chair: Luigi Adriano Pederzini, MD ITALY
Raul Barco, MD, PhD, FEBOT SPAIN
Luke Seuk-Zin Oh, MD UNITED STATES
Felix Henry Savoie III, MD UNITED STATES

ROOM 301: GENERAL SESSION

- 09:30 – 10:10 **ISAKOS Business Meeting II – ISAKOS Members Only**
- 10:10 – 10:15 **Walking Break**
- 10:15 – 11:00 **OPENING SESSION**
10:15 – 10:40 **ISAKOS Awards Ceremony**
Philippe N. Neyret, MD, PhD, FRANCE
ISAKOS President 2015 – 2017
- 10:40 – 10:45 **Passing of ISAKOS Presidential Medallion**
Philippe N. Neyret, MD, PhD, FRANCE
ISAKOS President 2015 – 2017
Marc R. Safran, MD UNITED STATES
ISAKOS President 2017 – 2019
- 10:45 – 11:00 **Introduction of International Society Presidents**
Philippe N. Neyret, MD, PhD, FRANCE
ISAKOS President 2015 – 2017
Marc R. Safran, MD UNITED STATES
ISAKOS President 2017 – 2019
Willem van der Merwe, MBChB, FCS, SA Ortho SOUTH AFRICA
ISAKOS President 2019 – 2021
- 11:00 – 12:00 **KNEE – ACL**
11:00 – 12:00 **Symposium: Prevention and Management of Infection in ACL Reconstruction**
Co-Chairs: Joan Carles Monllau, MD, PhD, Prof. SPAIN
Christopher John Vertullo, MBBS, FRACS (Orth), FAOrthA AUSTRALIA
Charles H. Brown, Jr., MD UNITED ARAB EMIRATES
Magnus Forssblad, MD, PhD SWEDEN
Sven U. Scheffler, MD, PhD GERMANY
- 12:00 – 12:15 **Walking Break**
- 12:15 – 13:30 **LUNCH TIME SESSIONS* – see page 44**
- 13:30 – 15:00 **KNEE – MENISCUS**
13:30 – 14:30 **Symposium: A 2017 Update on Meniscus Allograft Transplantation: Indications, Techniques & Results**
Co-Chairs: Tim Spalding, FRCS(Orth) UNITED KINGDOM
Peter Verdonk, MD, PhD BELGIUM
Alan Getgood, MD, FRCS(Tr&Orth), DipSEM CANADA
Jong-Min Kim, MD, PhD REPUBLIC OF KOREA
Peter T. Myers, MBBS, FRACS, FAOrthA AUSTRALIA
Stefano Zaffagnini, MD, Prof. ITALY
- 14:30 – 14:45 **Paper #179 – 180: Meniscus**
Moderators: Jong-Min Kim, MD, PhD REPUBLIC OF KOREA
Kevin R. Stone, MD UNITED STATES

07:00 – 07:30 VISIT THE EXHIBITS

07:30 – 09:00 INSTRUCTIONAL COURSE LECTURES (FOR FULL LIST, PLEASE SEE PAGE 36)

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

ROOM 301: GENERAL SESSION	
14:45 – 15:00	Lecture: The Principles and Techniques of Meniscus Repair <i>Peter T. Myers, MBBS, FRACS, FAOrthA AUSTRALIA</i> <i>Moderator: Kevin R. Stone, MD UNITED STATES</i>
15:00 – 15:30	Break to Visit the Exhibits
15:30 – 17:30	KNEE – LIGAMENTS
15:30 – 16:30	Symposium: Is it Time to Reevaluate the Clinical Outcome of Artificial Ligaments & Imagine the Future Trends? Co-Chairs: Shiyi Chen, MD, PhD CHINA Giuliano Giorgio Cerulli, MD ITALY <i>Hideo Matsumoto, MD, PhD JAPAN</i> <i>Cameron Norsworthy, MBBS, FRACS AUSTRALIA</i> <i>Pierre Ranger, MD, MSc, FRCS CANADA</i> <i>Robert A. Stanton, MD UNITED STATES</i>
16:30 – 16:45	Lecture: Xenografts: Are They the Future of ACL Reconstruction? <i>Kevin R. Stone, MD UNITED STATES</i> <i>Moderator: Christopher C. Kaeding, MD UNITED STATES</i>
16:45 – 17:30	Paper #181 – 187: Knee – ACL <i>Moderators: Christopher C. Kaeding, MD UNITED STATES</i> <i>Daniel Adolfo Slullitel, MD, Prof. ARGENTINA</i>
ROOM 2 – 1: CONCURRENT 2	
11:00 – 12:00	SHOULDER – ROTATOR CUFF
11:00 – 12:00	Surgical Demonstration: Massive Rotator Cuff Repair <i>John Tokish, MD UNITED STATES</i> <i>Moderator: Emilio Calvo, MD, PhD, MBA SPAIN</i>
12:00 – 12:15	Walking Break
12:15 – 13:30	LUNCH TIME SESSIONS* – see page 44
13:30 – 15:00	FOOT & ANKLE
13:30 – 13:45	Lecture: Biological Treatment in Tendon Injuries <i>Ramon Cugat, MD, PhD SPAIN</i> <i>Moderator: C. Niek Van Dijk, MD, PhD NETHERLANDS</i>
13:45 – 14:15	Paper #188 – 192: Achilles Tendon <i>Moderator: Kenneth J. Hunt, MD UNITED STATES</i> <i>C. Niek Van Dijk, MD, PhD NETHERLANDS</i>
14:15 – 14:30	Lecture: Achilles Insertional Tendinopathies <i>Gian L. Canata, MD ITALY</i> <i>Moderator: Rodrigo Mardones, MD CHILE</i>
14:30 – 15:00	Paper #193 – 197: Ankle – Instability and OA <i>Moderators: Thomas Bauer, MD, PhD FRANCE</i> <i>Rodrigo Mardones, MD CHILE</i>
15:00 – 15:30	Break to Visit the Exhibits

ROOM 2 – 1: CONCURRENT 2	
15:30 – 17:30	SHOULDER
15:30 – 16:15	Partner Society Symposium – AANA: Rotator Cuff <i>Jeffrey S. Abrams, MD UNITED STATES</i> <i>Robert Hunter, MD UNITED STATES</i> <i>John Tokish, MD UNITED STATES</i>
16:15 – 16:30	Paper #198 – 199: Rotator Cuff <i>Moderators: Jeffrey S. Abrams, MD UNITED STATES</i> <i>Yong-Girl Rhee, MD REPUBLIC OF KOREA</i>
16:30 – 17:30	Symposium: Shoulder Arthritis in the Young, Active Patient: How to Approach & When to Replace Chair: Kevin P. Shea, MD UNITED STATES <i>Philippe P. Hardy, MD, PhD, Prof. FRANCE</i> <i>Andreas B. Imhoff, MD, Prof. GERMANY</i> <i>Felix Henry Savoie III, MD UNITED STATES</i>
ROOM 2 – 3: CONCURRENT 3	
11:00 – 12:00	KNEE – OSTEOARTHRITIS
11:00 – 12:00	Symposium: Non-Operative Management of Knee OA Chair: Hoi Po James Hui, MD SINGAPORE <i>Ramon Cugat, MD, PhD SPAIN</i> <i>Ponky Firer, M.Med (Ortho) (Cum Laude) BSc (Elec Eng) SOUTH AFRICA</i> <i>Elizaveta Kon, Prof., MD ITALY</i>
12:00 – 12:15	Walking Break
12:15 – 13:30	LUNCH TIME SESSIONS* – see page 44
13:30 – 15:00	KNEE: ALIGNMENT
13:30 – 14:00	Paper #200 – 204: Knee – Osteotomy <i>Moderators: Tomoyuki Saito, MD, PhD JAPAN</i> <i>Timothy S. Whitehead MBBS, FRACS AUSTRALIA</i>
14:00 – 15:00	Symposium: Issues of Alignment & Slope: When and How to Address Chair: David Anthony Parker, MBBS, BMedSci, FRACS AUSTRALIA <i>Michael Tobias Hirschmann, MD SWITZERLAND</i> <i>Eiji Kondo, MD, PhD JAPAN</i> <i>Justin P. Roe, FRACS, A/Prof. AUSTRALIA</i> <i>Romain Seil, Prof., MD LUXEMBOURG</i>
15:00 – 15:30	Break to Visit the Exhibits
15:30 – 17:30	KNEE – ACL REGISTRIES & PREVENTION OF KNEE INJURIES
15:30 – 16:30	Symposium: Logistics and Challenges with Registry and Large Cohort Data Chair: Tim Spalding, FRCS(Orth) UNITED KINGDOM <i>Magnus Forsblad, MD, PhD SWEDEN</i> <i>Christopher C. Kaeding, MD UNITED STATES</i> <i>Martin Lind, Prof., MD, PhD DENMARK</i> <i>Gregory B. Maletis, MD UNITED STATES</i>

07:00 – 07:30 VISIT THE EXHIBITS

07:30 – 09:00 INSTRUCTIONAL COURSE LECTURES (FOR FULL LIST, PLEASE SEE PAGE 36)

09:00 – 09:15 BREAK TO VISIT THE EXHIBITS

ROOM 2-3: CONCURRENT 3

- 16:30 – 17:30 **Symposium:** FIFA Symposium: Prevention of Injuries in Football
Co-Chairs: *Moises Cohen, MD, PhD, Prof. BRAZIL*
João Duarte Espregueira-Mendes, MD, PhD PORTUGAL
Jiri Dvorak, Prof. SWITZERLAND
Ryosuke Kuroda MD, PhD JAPAN

ROOM 2-4: CONCURRENT 4

- 11:00 – 12:00 **KNEE-ACL**
- 11:00 – 11:30 **Paper #205 – 209: ACL – Outcomes**
Moderators: Gregory B. Maletis, MD UNITED STATES
Wei Lu, MD, PhD, Prof. CHINA
- 11:30 – 12:00 **Paper #210 – 214: ACL – Technique**
Moderators: Gregory B. Maletis, MD UNITED STATES
Wei Lu, MD, PhD, Prof. CHINA
- 12:00 – 12:15 **Walking Break**
- 12:15 – 13:30 **LUNCH TIME SESSIONS* – see page 44**
- 13:30 – 15:00 **HIP**
- 13:30 – 14:15 **Surgical Demonstration:**
 Gluteus Medius Repair
J.W. Thomas Byrd, MD UNITED STATES
Moderator:
Marc R. Safran, MD UNITED STATES
- 14:15 – 15:00 **Paper #215 – 222: Hip**
Moderators: Omer Mei-Dan, MD UNITED STATES
Soshi Uchida, MD, PhD JAPAN
- 15:00 – 15:30 **Break to Visit the Exhibits**
- 15:30 – 17:30 **KNEE-ARTHROPLASTY**
- 15:30 – 16:30 **Surgical Demonstration: Kinematic Total Knee Replacement**
Stephen M. Howell, MD UNITED STATES
Moderator: Myles Raphael James Coolican, FRACS AUSTRALIA
- 16:30 – 16:50 **Lecture: Introduction to Gait Analysis**
Timothy E. Hewett, PhD UNITED STATES
Jodie Adele McClelland, PhD AUSTRALIA
- 16:50 – 17:30 **Paper #223 – 228: TKA – Gait Analysis**
Moderators: Timothy E. Hewett, PhD UNITED STATES
Jodie Adele McClelland, PhD AUSTRALIA

ROOM 301: GENERAL SESSION

- 09:15 – 13:00 **KNEE-PCL, MULTILIGAMENT INJURIES & ALL**
- 09:15 – 10:15 **Symposium:** Management of Different Scenarios of PCL Injuries
Co-Chairs: *Jian Li, MD CHINA*
Bruce C. Twaddle, Prof., MD, FRACS NEW ZEALAND
Lars Engebretsen, MD, PhD NORWAY
Scott C. Fauchett, MD, MS UNITED STATES
Nicholas Kennedy, MD UNITED STATES
Robert F. LaPrade, MD, PhD UNITED STATES
- 10:15 – 11:00 **Paper #229 – 235: Multiligament Injuries & PCL**
Moderators: Lars Engebretsen, MD, PhD NORWAY
Sérgio Rocha Piedade, MD, PhD, Associate Professor BRAZIL
- 11:00 – 12:30 **Symposium:** Anterolateral Ligament – What is the Role for Its Repair or Reconstruction in 2017?
Co-Chairs: *Andrew A. Amis, FREng, PhD, DSc UNITED KINGDOM*
Steven Claes, MD, PhD BELGIUM
Thomas P. Branch, MD UNITED STATES
Brian M. Devitt, MD, FRCS, FRACS AUSTRALIA
Hua Feng, MD CHINA
Alan Getgood, MD, FRCS(Tr&Orth), DipSEM CANADA
- 12:30 – 13:00 **Paper #236 – 240: Anterolateral Ligament**
Moderators: Brian M. Devitt, MD, FRCS, FRACS AUSTRALIA
Hua Feng, MD CHINA

ROOM 2-1: CONCURRENT 2

- 09:15 – 13:00 **SHOULDER**
- 09:15 – 09:45 **Paper #241 – 245: Arthroplasty**
Moderators: Vicente Gutierrez, MD CHILE
Andreas B. Imhoff, MD, Prof. GERMANY
- 09:45 – 10:45 **Symposium:** Strategies for Bony Defects in the Treatment of Anterior Shoulder Instability
Chair: Kevin D. Plancher, MD UNITED STATES
Guoqing Cui, MD CHINA
Giovanni Di Giacomo, MD ITALY
Hiroyuki Sugaya, MD JAPAN
- 10:45 – 11:30 **Paper #246 – 251: Instability**
Moderators: Giovanni Di Giacomo, MD ITALY
José F. Huylebroek MD BELGIUM
- 11:30 – 12:30 **Symposium:** Mistakes I Have Made in Shoulder Surgery and How to Avoid Them
Chair: Giovanni Di Giacomo, MD ITALY
Guillermo Arce, MD ARGENTINA
Francesco Franceschi, MD, PhD ITALY
Eiji Itoi, MD, PhD JAPAN
Kevin D. Plancher, MD UNITED STATES
- 12:30 – 13:00 **Paper #252 – 256: Shoulder Stiffness**
Moderators: Guillermo Arce, MD ARGENTINA
Kevin D. Plancher, MD UNITED STATES



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SUNDAY, JUNE 4, 2017

ACL AND ROTATION – DOUBLE BUNDLE ACL RECONSTRUCTION CONCEPT: REEVALUATION AND OUTCOMES – A CALL FOR AN INDIVIDUALIZED APPROACH

09:00 – 10:00 Room 301: General Session

Co-Chairs: Freddie H. Fu, MD UNITED STATES
Wei Lu, MD, PhD, Prof. CHINA

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

Jia-Kuo Yu, MD, PhD CHINA

Lei Zhang, MD, PhD CHINA

- Persistent Rotatory Knee Instability After Anatomic ACL Reconstruction – Incidence and Associated Factors
- Outcomes Following Anatomic Single- vs. Double-Bundle ACL Reconstruction – What are we Missing?
- ACL Reconstruction – From One Bundle Augmentation to Double Bundle Reconstruction – Indications and Treatment Algorithm
- Round Table Discussion: A Call for an Individualized Approach

HIP PAIN IN THE ATHLETE: EVIDENCE BASED TOOLS FOR DIAGNOSIS

09:00 – 10:00 Room 2 – 1: Concurrent 2

Chair: Marc J. Philippon, MD UNITED STATES

Asheesh Bedi, MD UNITED STATES

Nicolas Bonin, MD FRANCE

Soshi Uchida, MD, PhD JAPAN

- Evidence Based Algorithm for the Diagnosis and Treatment of the Hip Pain in the Athlete
- Evidence Based Motion Related Diagnosis of the Hip Pain in the Athlete
- Evidence Based Diagnosis Approach for Intraarticular versus Extraarticular Pathology in the Athlete
- Evidence Based Tools for the Diagnosis in Treatment of Symptomatic Hip Dysplasia in the Athlete

ROTATOR CUFF INJURIES: A CASE BASED APPROACH

09:00 – 10:00 Room 2 – 3: Concurrent 3

Chair: Emilio Calvo, MD, PhD, MBA SPAIN

Francesco Franceschi, MD, PhD ITALY

Stephen C. Weber, MD UNITED STATES

- Controversial Topics in Rotator Cuff Tear Management
- Case Discussion & Faculty Experiences

MANAGEMENT OF THE HIGH ROTATING KNEE

10:00 – 11:00 Room 301: General Session

Chair: Stefano Zaffagnini, MD, Prof. ITALY

João Duarte Espregueira-Mendes, MD, PhD PORTUGAL

Julian A. Feller, FRACS AUSTRALIA

Ryosuke Kuroda, MD, PhD JAPAN

Volker Musahl, MD UNITED STATES

- Biomechanics of High Rotating Knee
- Noninvasive Methods to Evaluate the Pivot-Shift
- MRI Evaluation of the High Rotating Knee
- Surgical Management and Outcomes of the High Rotating Knee
- Indication and Technique to Treat High Rotating Knee

REMNANT PRESERVING ACL RECONSTRUCTION: ADVANTAGE AND DISADVANTAGES

11:00 – 12:00 Room 301: General Session

Chair: Mitsuo Ochi, MD, PhD JAPAN

Marco Kawamura Demange, MD, PhD BRAZIL

Joan Carles Monllau, MD, PhD, Prof. SPAIN

Peter Verdonk, MD, PhD BELGIUM

- Current Concepts Related to Remnant Preserving ACL Reconstruction
- Role of Preserved ACL Remnant
- Advantages and Disadvantages of Remnant

ROTATOR CUFF REPAIR AND SHOULDER STIFFNESS

11:00 – 12:00 Room 2 – 3: Concurrent 3

Chair: Jiwu Chen, MD, PhD CHINA

Seung-Ho Kim, MD, PhD REPUBLIC OF KOREA

Hiroyuki Sugaya, MD JAPAN

Bruno Toussaint, MD FRANCE

- Overview of Stiffness and Rotator Cuff Repair
- Can Cuff Repair Surgery Indications be Modified by the Pre-Operative Stiffness?
- New Thoughts on Evaluation and Management of Stiffness in Rotator Cuff Injuries
- Cause and Management for Shoulder Stiffness After Rotator Cuff Repair
- Case Discussion

THE MENISECTOMIZED KNEE

13:30 – 14:30 Room 301: General Session

Chair: Andreas H. Gomoll, MD UNITED STATES

Chih-Hwa Chen, MD TAIWAN

Marco Kawamura Demange, MD, PhD BRAZIL

Joan Carles Monllau, MD, PhD, Prof. SPAIN

Peter Verdonk, MD, PhD BELGIUM

- Post-Menisectomy Syndrome
- Meniscal Substitution
- Meniscal Transplantation
- Post-Menisectomy SPONK
- HTO vs. UKA for the Meniscectomized Knee

SUNDAY, JUNE 4, 2017

HAMSTRING INJURIES: CAUSATION, TREATMENT AND PREVENTION

13:30 – 14:30

Room 2 – 1: Concurrent 2

Chair: David Wood, FRACS AUSTRALIA*Julian A. Feller, FRACS AUSTRALIA**Francois M. Kelberine, MD FRANCE**Peter T. Myers, MBBS, FRACS, FAOrthA AUSTRALIA*

- Overview of Hamstring Injuries, Demographics, and Causes
- Muscular Belly Lesions, Conservative Management and the Rare Surgical Indications
- Strategies for Prevention of Hamstring Injuries in the Elite Athlete and Weekend Warrior
- Clinical Experience of Proximal Hamstring Surgery, Including the Surgical Indications, Surgical Technique, Tips and Tricks and when to Manage Conservatively
- The Role of Surgery in Intramuscular Tendon Tears

SPORTS INJURIES OF THE ELBOW

13:30 – 14:30

Room 2 – 4: Concurrent 4

Chair: Luigi Adriano Pederzini, MD ITALY*Michael Thomas Freehill, MD UNITED STATES**Gregory Alexander Hoy, FRACS, FAOrthA, FACSP, FASMF AUSTRALIA**Luke Seuk-Zin Oh, MD UNITED STATES*

- Medial Collateral Ligament Reconstruction
- Osseous Injuries in the Overhead Athlete

PRESERVING THE ANTERIOR CRUCIATE LIGAMENT IN KNEE ARTHROPLASTY

15:30 – 16:30

Room 301: General Session

Chair: Paolo Adravanti, MD ITALY*Jeffrey H. DeClaire, MD UNITED STATES**William Jackson, FRCS(Orth), MD UNITED KINGDOM**Andrew James Price, DPhil, FRCS(Orth) UNITED KINGDOM**Emmanuel Thienpont, MD BELGIUM**Anders Troelsen, MD, PhD, DMSc, Prof. DENMARK*

- Indication and Contraindication to Perform a UNI in the ACL Deficient Knee
- ACL Reconstruction and Medial OA
- Bicruciate Retaining TKA
- Treatment of Bicomparmental Arthritis with Modular Components
- Knee Awareness and Function after ACL Preserving Knee Arthroplasty

**PARTNER SOCIETY SYMPOSIUM
APKASS****MY PREDICTION OF THE TOP STORY IN ASIA-PACIFIC ORTHOPAEDIC SPORTS MEDICINE IN 2020!**

16:00 – 16:45

Room 2-1: Concurrent 2

Moderators: Chih-Hwa Chen, MD TAIWAN**David Anthony Parker, MBBS, BMedSci, FRACS AUSTRALIA***Shiyi Chen, MD, PhD CHINA**Myung Chul Lee, MD, PhD, Prof. REPUBLIC OF KOREA**Mitsuo Ochi, MD, PhD JAPAN**Patrick Shu Hang Yung, FRCS(Orth Surgery), FHKCOS, FHKAM, FRCS, MBChB HONG KONG*

- Cartilage Resurfacing Using Magnet
- Knee Ligament Reconstruction & Return to Sports
- Enhancement of Tendon Bone Healing
- Role of Knee Osteotomy

THE FIRST TIME DISLOCATOR – SHOULD WE BE FIXING THEM EARLY?

16:00 – 17:00

Room 2 – 3: Concurrent 3

Chair: Philippe P. Hardy, MD, PhD, Prof. FRANCE*Knut Beitzel, MD, MA GERMANY**Mark Ferguson, MD SOUTH AFRICA**Andreas B. Imhoff, MD, Prof. GERMANY**Chun Yan Jiang, MD, PhD CHINA*

- First Time Episode of GH Anterior Instability: Incidence, Clinical Presentation and Radiological Evaluation
- Recurrence After First Episode of Dislocation, Incidence Intrinsic and Extrinsic Factors
- Conservative Treatment: Modalities, Immobilization? Length? Physiotherapy? Delay to Return to Sport?
- Surgical Treatment: Technical Considerations (Open or Arthroscopic, Soft Tissue or Bone Block)
- Indications for Surgical Treatment of the First Episode of GH Instability: An EBM Evaluation

MONDAY, JUNE 5, 2017

OPENING WEDGE HIGH TIBIAL OSTEOTOMY: WHICH PATIENT? WHEN? HOW? A CASE BASED APPROACH

11:00 – 12:00

Room 301: General Session

Chair: Mark Clatworthy, FRACS NEW ZEALAND*Gianluca Camillieri, MD ITALY**Yong In, MD, PhD REPUBLIC OF KOREA**Philippe N. Neyret, MD, PhD FRANCE**Tomoyuki Saito, MD, PhD JAPAN**Christopher John Vertullo, MBBS, FRACS (Orth),
FAOrthA AUSTRALIA*

- Medial Compartment OA – Standard HTO
- Lateral Compartment OA – Lateral Opening Wedge for Small Valgus Deformity
- Anteromedial Opening Wedge HTO for PCL Deficient Knee
- Posteromedial Opening Wedge HTO & ACL for ACL Deficient Knee and Medial Compartment OA
- Anterior Opening Wedge for Hyperextension Deformity

THE EVOLUTION OF ANKLE REPAIR

11:00 – 12:00

Room 2 – 1: Concurrent 2

**Chair: Hélder Miguel Duarte Pereira, MD
PORTUGAL***Annunziato Amendola, MD UNITED STATES**Kenneth J. Hunt, MD UNITED STATES**C. Niek Van Dijk, MD, PhD NETHERLANDS*

- Effect of Ankle Ligament Repair on the Subtalar Joint
- Current Concepts in Ankle Impingement and Micro Instability
- Critical Concepts in Ankle Impingement
- Anatomic Repair: How, When and Why?

MANGAGEMENT OF INFECTED TOTAL KNEE ARTHROPLASTY

11:00 – 12:00

Room 2 – 3: Concurrent 3

Chair: Sebastien Lustig, MD, PhD, Prof. FRANCE*Thomas Bauer, MD, PhD FRANCE**Nicolaas Cyrillus Budhiparama, MD, FICS INDONESIA**Sébastien Parratte, Prof., MD, PhD FRANCE*

- Diagnosis of Infection: How and When?
- Early Revision: What is the Real Value?
- One Step Procedure: Principles and Techniques
- Two Step Procedure: Principles and Techniques
- Spacers and Cement: Mobile and Fixed. How and When?

PARTNER SOCIETY SYMPOSIUM AOSSM

RETURN TO SPORTS & PREVENTION OF RE-INJURY

13:30-14:15

Room 2-3: Concurrent 3

**Moderator: Annunziato Amendola, MD
UNITED STATES***Allen F. Anderson, MD UNITED STATES**Christopher C. Kaeding, MD UNITED STATES*

- ACLR in Children – When is it Safe to Return?
- High Risk Stress Fractures – Minimizing Reoccurrence
- Syndesmosis, Lisfranc and Turf Toe Sprains – Keys to Success

EXPANDING THE ROLE OF ARTHROSCOPY IN FOOT & ANKLE SURGERY

13:30 – 14:30

Room 2 – 1: Concurrent 2

Chair: Annunziato Amendola, MD UNITED STATES*Harvinder Singh Bedi, FRACS, MPH AUSTRALIA**Stéphane Guillo, MD FRANCE**Kenneth J. Hunt, MD UNITED STATES**Andrea Nicole Veljkovic, MD CANADA*

- The Role Of Arthroscopy in Chronic Ankle Instability
- Arthroscopic Ankle Ligament Repair and Reconstruction
- The Role of Arthroscopy in Ankle Fracture Management
- Hindfoot Arthroscopy and Tendoscopy – Evidence and Indication
- Midfoot / Forefoot Arthroscopy

THE ASSESSMENT AND SAFE MANAGEMENT OF PATIENTS WITH PATELLOFEMORAL PAIN

13:30 – 14:30

Room 2 – 4: Concurrent 4

Co-Chairs: Scott F. Dye, MD UNITED STATES**Vicente Sanchis-Alfonso, MD, PhD SPAIN***David Henri Dejour, MD FRANCE**William R. Post, MD UNITED STATES Lynn Snyder-**Mackler, PT, ScD, FAPTA UNITED STATES*

- Overview of Patellofemoral Pain: Current Concepts, Including Tissue / Joint Homeostasi
- The Assessment of Patellofemoral Pain: History, Physical Exam, and Imaging
- The Current Management of Patients with Patellofemoral Pain from the Physical Therapist's Perspective
- The Current Conservative Operative Management of Patients with Patellofemoral Pain
- Treatment of Complications of Operative Management of Patients with Patellofemoral Pain

MONDAY, JUNE 5, 2017

MANAGEMENT OF PEDIATRIC ACL

15:30 – 16:30

Room 301: General Session

Chair: Allen F. Anderson, MD UNITED STATES

Moises Cohen, MD, PhD, Prof. BRAZIL

Volker Musahl, MD UNITED STATES

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

Stefano Zaffagnini, MD, Prof. ITALY

- Why Reconstruct the ACL in Pediatric Patients?
- The Risk Factors for Growth Disturbance
- Physeal Sparing: Iliotibial Band Reconstruction
- Physeal Sparing: ALL Epiphyseal Reconstruction
- Transphyseal Reconstruction
- Case Presentations

TARGET FOR APPROPRIATE ALIGNMENT IN TOTAL KNEE ARTHROPLASTY – MECHANICAL VS. KINEMATIC ALIGNMENT

15:30 – 16:30

Room 2 – 3: Concurrent 3

Chair: Maurilio Marcacci, MD ITALY

Mark Clatworthy, FRACS NEW ZEALAND

Stephen M. Howell, MD UNITED STATES

William John Long, MD, FRCSC UNITED STATES

Eun Kyoo Song, Prof., MD, PhD REPUBLIC OF KOREA

- Is Kinematically Aligned TKA a Good Alignment Option?
- CAS Anatomic Tibia Balanced Femur TKA: More Accurate, Better Outcome
- Successful Long Term Outcomes in the Mechanically Aligned TKA
- Outcome of Mechanically Aligned Navigation-Assisted TKA

MENISCUS ROOT TEARS – THE SILENT EPIDEMIC

15:30 – 16:30

Room 2 – 4: Concurrent 4

Chair: Jin Goo Kim, MD, PhD REPUBLIC OF KOREA

Sebastian Kopf, MD, PhD GERMANY

Peter T. Myers, MBBS, FRACS, FAOrthA AUSTRALIA

Romain Seil, Prof., MD LUXEMBOURG

Jia-Lin Wu, MD, MS TAIWAN

- Overview of Meniscus Root Tear: The Silent Epidemic
- Updates on Biochemical and Clinical Results: Could it Improve Meniscal Extrusion and Restore the Function?
- Medial Meniscus Root Repair – Why, When and How?
- Lateral Meniscus Root Tear – Repair or Leave in Situ?
- Surgical Treatment in Chronic Degenerative Root

GENETICS IN KNEE INJURIES

16:30 – 17:30

Room 301: General Session

Chair: Moises Cohen, MD, PhD, Prof. BRAZIL

Diego Costa Astur, MD, PhD BRAZIL

Asheesh Bedi, MD UNITED STATES

Carlos Eduardo Da Silveira Franciozi, MD, PhD, Prof. BRAZIL

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

- Genetic and Molecular Factors and Anterior Cruciate Ligament Injuries
- Genetic Factors in ACL and Tendon Injuries
- Genetic and Molecular Factors in Meniscus and Cartilage Lesions
- Muscle Recovery, Atrophy, and Biomarkers after ACL Injury and Recovery

TUESDAY, JUNE 6, 2017

LARGE COHORT, LONG TERM OUTCOME OF ACL RECONSTRUCTION

10:45 – 11:45

Room 301: General Session

Co-Chairs: Yingfang Ao, MD CHINA**Philippe N. Neyret, MD, PhD FRANCE***Christopher C. Kaeding, MD UNITED STATES**Sung-Jae Kim, MD, PhD, FACS REPUBLIC OF KOREA**Justin P. Roe, FRACS, A/Prof. AUSTRALIA**Kate E. Webster, PhD AUSTRALIA**Kazunori Yasuda, MD, PhD JAPAN*

- Long Term Outcomes of ACL Reconstruction in Patients with Excessive Laxity
- The Comparison of Patellar Tendon and Hamstring Tendon ACL Reconstruction at Long-Term Follow-up
- Large Cohort, Middle-Term Outcome of Remnant-Preserving Anatomic Double-Bundle ACL Reconstruction
- Mid-to Long-Term Outcome of Revision ACL Reconstruction
- Long term Outcome and ACL Reconstruction Survival in Juveniles and Adolescents

RESEARCH METHODOLOGY: HOW TO DO IT

10:45 – 11:30

Room 2 – 1: Concurrent 2

Chair: Volker Musahl, MD UNITED STATES*Paulo Henrique Mendes Araujo, MD, PhD BRAZIL**Olufemi Rolland Ayeni, MD, MSc, FRCSC CANADA**Michael Tobias Hirschmann, MD SWITZERLAND**Jason L. Koh, MD UNITED STATES*

- Business & Finding Tools for a Successful Researcher
- How do you Secure a Fellowship Position?
- Collaboration – Fact or Fiction?
- How to Write a Scientific Report
- ISAKOS Young Investigator Research Mentoring Program – Research Proposal

CARTILAGE TREATMENT OPTIONS 2017

10:45 – 12:00

Room 2 – 4: Concurrent 4

Chair: Norimasa Nakamura, MD, PhD JAPAN*Vladimir Bobic, Prof., MD, FRCSEd UNITED KINGDOM**Mats Georg Brittberg, MD, PhD, Prof. SWEDEN**Scott D. Gillogly, MD QATAR**Alberto Gobbi, MD ITALY*

- Emerging Technologies in Cartilage Repair
- Autologous Chondrocyte Implantation (ACI) in the Patellofemoral Joint
- Hyaluronic Scaffold and BMAC in Large Cartilage Lesions: the Biologic Arthroplasty 10-Year Experience
- IMPACT with Recycling and Allogeneic Cells for Joint Repair
- The BioPoly Partial Resurfacing Implant

PARTNER SOCIETY SYMPOSIUM SLARD

MEDIAL COLLATERAL LIGAMENT – FROM ANATOMY TO RECONSTRUCTION

13:30 – 14:15

Room 301: General Session

Moderator: David Figueroa, MD, Prof. CHILE*Gustavo Gonçalves Arian, MD, PhD, Prof. BRAZIL**Rodrigo Maestu, MD ARGENTINA**Gustavo A. Rincon, MD COLOMBIA**Alex Vaisman, MD CHILE*

- Functional Anatomy and Classification of Medial Collateral Ligament Injuries
- Clinically Relevant Biomechanics and Diagnosis
- Repair Techniques
- Reconstruction Techniques and Rehabilitation

PARTNER SOCIETY SYMPOSIUM ESSKA

OSTEOTOMY

14:15 – 15:00

Room 2-3: Concurrent 3

Moderator: Matteo Denti, MD ITALY*David Henri Dejour, MD FRANCE**Matteo Denti, MD ITALY**Philipp Lobenhoffer, MD, Prof. GERMANY**Steffen Schröter, MD, PD GERMANY**Romain Seil, Prof., MD LUXEMBOURG*

- Evolution of Tibial and Femoral Osteotomies
- Osteotomies for Patellar Instabilities
- Evolving Concepts: Double Level Osteotomies
- Is Return to Sports Realistic After an Osteotomy?

TUESDAY, JUNE 6, 2017

INTRIGUING TENDINOPATHIES IN SPORT: PATHOPHYSIOLOGY TO REGENERATIVE TECHNOLOGY

14:00 – 15:00

Room 2 – 1: Concurrent 2

**Chair: Kai-Ming Chan, MBBS, MCH(ORTH),
FRCP(S)(G), FRCS(E), FRCS.ED(ORTH)
HONG KONG**

James H-C. Wang, PhD UNITED STATES

Kanglai Tang, MD, PhD, Prof. CHINA

*Ming Hao Zheng, PhD, DM, FRCPATH, FRCPA
AUSTRALIA*

- Intriguing Tendinopathies – What's New on the Horizon?
- Autologous Tendon Stem Cell Injection: The Regenerative Approach of Tendinopathy
- TSC-Based Mechanism of Tendinopathy
- Clinical Experience Sharing in Treating Tendinopathies

MANAGEMENT OF THE FIRST TIME PATELLAR DISLOCATION

15:30 – 16:30

Room 301: General Session

Chair: Diane Lynn Dahm, MD UNITED STATES

Pieter Jordaan Erasmus, MBChB, MMed SOUTH AFRICA

Robert A. Magnussen, MD, MPH UNITED STATES

Mitsuo Ochi, MD, PhD JAPAN

Elvire Servien, MD, PhD, Prof. FRANCE

Petri J. Sillanpää, MD, PhD FINLAND

- Etiologies of First Time Patellar Dislocation
- Primary Treatment of the First Time Dislocation
- First Time Dislocation in the Pediatric Patient
- Indications for MPFL Reconstruction Alone vs. Combined Procedures
- Technique for Isolated MPFL Reconstruction

HOW TO TEACH ARTHROSCOPY

15:30 – 16:30

Room 2 – 1: Concurrent 2

Chair: Alberto Gobbi, MD ITALY

Moises Cohen, MD, PhD, Prof. BRAZIL

João Duarte Espregueira-Mendes, MD, PhD PORTUGAL

Mustafa Karahan, Prof. TURKEY

Luigi Adriano Pederzini, MD ITALY

- Cadaver Lab Organization – What to Teach?
- Daily Life Meniscal Surgery – What to Teach?
- Cartilage Arthroscopic Surgery – What is Important to Know?
- ACL Arthroscopy – What to Teach?

NEW TECHNOLOGIES AND FUTURE IN TOTAL KNEE ARTHROPLASTY

15:30 – 16:30

Room 2 – 3: Concurrent 3

Chair: Andrew D. Pearle, MD UNITED STATES

Fabio Catani, Prof. ITALY

Sebastien Lustig, MD, PhD, Prof. FRANCE

Shuichi Matsuda, MD, PhD JAPAN

Denis Nam, MD, MSc UNITED STATES

Alfred J. Tria, Jr., MD UNITED STATES

Eun Kyoo Song, Prof., MD, PhD REPUBLIC OF KOREA

- Update on Navigation for TKR: Where are We in 2017?
- Mechanical Alignment in TKR – What are Important Targets and How do we Best Achieve it
- Rationale and Outcomes of Kinematic Alignment in TKR
- Smart Instruments and Knee Replacement
- New Techniques for Minimally Invasive TKR
- Navigation vs. PSI vs. Robotics: Which Way is it Going?

TENDON AND LIGAMENT INJURIES IN THE ELBOW

15:30 – 16:30

Room 2 – 4: Concurrent 4

Chair: Luke Seuk-Zin Oh, MD UNITED STATES

Michael Thomas Freehill, MD UNITED STATES

*Gregory Alexander Hoy, FRACS, FAOrthA, FACSP,
FASMF AUSTRALIA*

Alessandro Marinelli, MD ITALY

Kilian Wegmann, MD, PhD GERMANY

- Classification of Elbow Instability
- Lateral Collateral Ligament Instability
- Medial Collateral Ligament Instability
- Distal Biceps Injuries
- Triceps Injuries

THE STIFF ELBOW

16:30 – 17:30

Room 2 – 4: Concurrent 4

Chair: Luigi Adriano Pederzini, MD ITALY

Raul Barco, MD, PhD, FEBOT SPAIN

Luke Seuk-Zin Oh, MD UNITED STATES

Felix Henry Savoie III, MD UNITED STATES

- Indications & Limits
- Degenerative Stiff Elbow
- OCD
- Calcifications Around and Inside the Elbow: Treatment and Prevention

WEDNESDAY, JUNE 7, 2017

PREVENTION AND MANAGEMENT OF INFECTION IN ACL RECONSTRUCTION

11:00 – 12:00

Room 301: General Session

Co-Chairs: Joan Carles Monllau, MD, PhD, Prof. SPAIN**Christopher John Vertullo, MBBS, FRACS (Orth), FAOrthA AUSTRALIA**

Charles H. Brown Jr., MD UNITED STATES

Magnus Forssblad, MD, PhD SWEDEN

Sven U. Scheffler, MD, PhD GERMANY

- General Considerations for Prevention of Infection
- Intra-Operative Precautions to Reduce the Risk of Septic Infections Following ACLR
- The Vancomycin Wrap Technique and a Diagnostic Algorithm for Infection
- Surgical and Antibiotic Treatment for ACLR Septic Arthritis
- Postoperative Septic Arthritis after ACLR: Does it Affect the Outcome

NON-OPERATIVE MANAGEMENT OF KNEE OA

11:00 – 12:00

Room 2 – 3: Concurrent 3

Chair: Hoi Po James Hui, MD SINGAPORE

Ramon Cugat, MD, PhD SPAIN

Ponky Firer, M.Med (Ortho) (Cum Laude) BSc (Elec Eng) SOUTH AFRICA

Elizaveta Kon, Prof., MD ITALY

- Winning the OA War without a Lance
- Mass, Muscles and Minimal Support
- PRP – What's the Evidence
- 'Fake' Stem Cells (Concentrated)
- 'Real' Stem Cells (Cultured)

A 2017 UPDATE ON MENISCUS ALLOGRAFT TRANSPLANTATION: INDICATIONS, TECHNIQUES & RESULTS

13:30 – 14:30

Room 301: General Session

Co-Chairs: Tim Spalding, FRCS(Orth) UNITED KINGDOM**Peter Verdonk, MD, PhD BELGIUM**

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

Jong-Min Kim, MD, PhD REPUBLIC OF KOREA

Peter T. Myers, MBBS, FRACS, FAOrthA AUSTRALIA

Stefano Zaffagnini, MD, Prof. ITALY

- Surgical Technique Decisions 2017
- Consensus Statements on the Role of MAT
- Results of MAT – What can we Expect?
- Indications – Putting the Information Together

ISSUES OF ALIGNMENT & SLOPE: WHEN AND HOW TO ADDRESS

14:00 – 15:00

Room 2 – 3: Concurrent 3

Chair: David Anthony Parker, MBBS, BMedSci, FRACS AUSTRALIA

Michael Tobias Hirschmann, MD SWITZERLAND

Eiji Kondo, MD, PhD JAPAN

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

Romain Seil, Prof., MD LUXEMBOURG

- Coronal Plane Malalignment: When Should we Correct and What is the Optimal Correction?
- Surgical Techniques for Tibial and Femoral Coronal Plane Correction
- The Relationship Between Tibial Slope and ACL/PCL Function and Injury
- Indications & Techniques for Tibial Slope Correction in ACL Insufficiency
- Indications & Techniques for Tibial Slope Correction in PCL Insufficiency
- Case Discussion

IS IT TIME TO RE-EVALUATE THE CLINICAL OUTCOME OF ARTIFICIAL LIGAMENTS & IMAGINE THE FUTURE TRENDS?

15:30 – 16:30

Room 301: General Session

Co-Chairs: Giuliano Giorgio Cerulli, MD ITALY Shiyi Chen, MD, PhD CHINA

Hideo Matsumoto, MD, PhD JAPAN

Cameron Norsworthy, MBBS, FRACS AUSTRALIA

Pierre Ranger, MD, MSc, FRCSc CANADA

Robert A. Stanton, MD UNITED STATES

- Concept of Artificial Ligament: Is it Prosthesis or Scaffold
- A Multi-Center Long-Term Follow-Up Study of Failed ACL Reconstruction Using LARS Device: Chinese Experience and Surgical Essentials
- My Experience with the LARS ACL Device at Minimum Five Year Follow-Up
- A Case Series: Original Research of 112 Acute Total Knee Dislocations Treated with Artificial Ligaments

WEDNESDAY, JUNE 7, 2017

**PARTNER SOCIETY SYMPOSIUM
AANA**

ROTATOR CUFF

15:30 – 16:15

Room 2-1: Concurrent 2

Jeffrey S. Abrams, MD UNITED STATES

Robert E. Hunter, MD UNITED STATES

John Tokish, MD UNITED STATES

- Management of Partial Thickness Rotator Cuff Tears: The Role of the Cuff Patch
- Management of the Irreparable Rotator Cuff Tear: The Role of SCR Speaker
- Double Row Rotator Cuff Repair: An Option or the Option

**LOGISTICS AND PROBLEMS
WITH REGISTRY AND LARGE
COHORT DATA**

15:30 – 16:30

Room 2 – 3: Concurrent 3

Chair: Tim Spalding, FRCS(Orth) UNITED KINGDOM

Magnus Forssblad, MD, PhD SWEDEN

Christopher C. Kaeding, MD UNITED STATES

Martin Lind, Prof., MD, PhD DENMARK

Gregory B. Maletis, MD UNITED STATES

- Designing a Good Registry, What Have we Learnt
- Collecting Meaningful Data and What it Means: Cohort is Best
- Putting all the Registry Data Together: What Does That Tell Us
- From the Beginning to Now, What is Next with Data Collection

**SHOULDER ARTHRITIS IN THE
YOUNG, ACTIVE PATIENT: HOW TO
APPROACH & WHEN TO REPLACE**

16:30 – 17:30

Room 2 – 1: Concurrent 2

Chair: Kevin P. Shea, MD UNITED STATES

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

Andreas B. Imhoff, MD, Prof. GERMANY

Felix Henry Savoie III, MD UNITED STATES

- Arthroscopic Treatment of Shoulder Arthritis in the Young Patient with Loss of Motion
- Arthroscopic Glenoid Resurfacing
- Articular cartilage Replacement in Shoulder Osteoarthritis in the Young Patient
- When to Replace: Hemi vs. Total Shoulder

**FIFA SYMPOSIUM: PREVENTION OF
INJURIES IN FOOTBALL**

16:30 – 17:30

Room 2 – 3: Concurrent 3

Co-Chairs: Moises Cohen, MD, PhD, Prof. BRAZIL

João Duarte Espregueira-Mendes, MD, PhD

PORTUGAL

Jiri Dvorak, Prof. SWITZERLAND

Ryosuke Kuroda, MD, PhD JAPAN

- The Power of the Football Worldwide – My Experience
- The European Center of Excellence – ACL Lesion
- The South American Center of Excellence – Meniscus and Tibial Collateral Ligament Tear
- Kobe FIFA Center of Excellence – Cartilage Lesions
- Case Discussions

THURSDAY, JUNE 8, 2017

MANAGEMENT OF DIFFERENT SCENARIOS OF PCL INJURIES

09:15 – 10:15

Room 301: General Session

**Co-Chairs: Bruce C. Twaddle, Prof., MD, FRACS
NEW ZEALAND****Jian Li, MD CHINA***Lars Engebretsen, MD, PhD NORWAY**Scott C. Faucett, MD, MS UNITED STATES**Nicholas Kennedy, MD UNITED STATES**Robert F. LaPrade, MD, PhD UNITED STATES*

- Clinically Relevant Anatomy and Biomechanics of the PCL
- Acute PCL Repair vs. Reconstruction, Case Series and Technique
- The Science Behind Double Bundle PCL Reconstructions and a Case
- PCL Inlay Reconstructions and a Case Presentation
- PCL and PLC Instability and a Case Presentation
- PCL and MCL Instability and a Case Presentation
- Strategies of Surgical Choice for Different PCL Injuries

STRATEGIES FOR BONY DEFECTS IN THE TREATMENT OF ANTERIOR SHOULDER INSTABILITY

09:45 – 10:45

Room 2 – 1: Concurrent 2

Chair: Kevin D. Plancher, MD UNITED STATES*Guoqing Cui, MD CHINA**Giovanni Di Giacomo, MD ITALY**Hirokyu Sugaya, MD JAPAN***ANTEROLATERAL LIGAMENT – WHAT IS THE ROLE FOR ITS REPAIR OR RECONSTRUCTION IN 2017?**

11:00 – 12:30

Room 301: General Session

**Co-Chairs: Andrew A. Amis, FEng, PhD, DSc
UNITED KINGDOM****Steven Claes, MD, PhD BELGIUM***Thomas P. Branch, MD UNITED STATES**Brian M. Devitt, MD, FRCS, FRACS AUSTRALIA**Hua Feng, MD CHINA**Alan Getgood, MD, FRCS (Tr&Orth), DipSEM CANADA*

- Is the ALL a Ligament?
- Anterolateral Knee Biomechanics
- Clues to the Diagnosis of an Anterolateral Corner Injury Using the Clinical Knee Examination
- MRI Evaluation of the Normal and Injured Anterolateral Ligament
- Ultrasound Diagnosis and Refixation of Anterolateral Complex Avulsion
- Anterolateral Laxity Evaluation with a Non-Invasive Triaxial Accelerometer: A Cadaveric Study
- The Relationship of the Lateral Meniscus and the Anterolateral Ligament to Rotational Knee Laxity
- Anterolateral Ligament Reconstruction in Case of Irreparable Lateral Meniscus Tears and High-Grade Pivot-Shift
- Rationale for Using a Modified Lemaire Lateral Extra-Articular Tenodesis, Surgical Technique and Clinical Results
- Clinical Outcomes after ACL with Anterolateral Reconstruction
- Long-Term Radiographic Outcomes of Combined ACL Reconstruction and Lateral Extra-Articular Tenodesis: A Systematic Review and Best Evidence Synthesis

MISTAKES I HAVE MADE IN SHOULDER SURGERY AND HOW TO AVOID THEM

11:00 – 12:30

Room 2 – 1: Concurrent 2

Chair: Giovanni Di Giacomo, MD ITALY*Guillermo Arce, MD ARGENTINA**Francesco Franceschi, MD, PhD ITALY**Eiji Itoi, MD, PhD JAPAN**Kevin D. Plancher, MD UNITED STATES*

- Pitfalls and Mistakes in Latarjet Technique
- Top Ten Tips to Avoid Complications in Shoulder Arthroscopy
- Pitfalls and Mistakes in Arthroscopic Shoulder Instability
- Pitfalls and How to Avoid Them: My Personal Experience
- Don't Try to Treat Arthritis, Treat the Instability 20 Years Before and Don't Think the Rotator Cuff is an Easy Operation



ISAKOS PUBLICATIONS

Recent & Upcoming Publications 2016–2017

- *Management of Knee Osteoarthritis in the Younger, Active Patient*
Editor: David A. Parker
- *Controversies in the Technical Aspects of ACL Reconstruction: An Evidence Based Medicine Approach*
Editors: Norimasa Nakamura
Stefano Zaffagnini
Robert G. Marx
Volker Musahl
- *Soft Tissue Balancing in Total Knee Arthroplasty*
Editors: Shuichi Matsuda
Sebastien Lustig
Willem Mare van der Merwe
- *Shoulder Instability Across the Lifespan*
Editors: Andreas Imhoff
Felix "Buddy" Savoie III
- *How to Set Up a Motor Skill Teaching Course in Orthopaedic Sports Medicine*
Editors: Mustafa Karahan
João Espregueira-Mendes
- *Muscle and Tendon Injuries*
Editors: Gian Luigi Canata
Pieter D'Hooghe
Kenneth J. Hunt
- *Injuries and Health Problems in Football – What Everyone Should Know*
Editor-in-Chief: João Espregueira-Mendes
Editors: C. Niek Van Dijk
Philippe Noel Neyret
Moises Cohen
Stefano Della Villa
Helder Pereira
Miguel Oliveira
- *Bio-Orthopaedics: A New Approach*
Editors: Alberto Gobbi
João Espregueira-Mendes
John G. Lane
Mustafa Karahan
- *Complex Knee Injuries Management*
Editors: João Espregueira-Mendes
Alberto Gobbi
Fabrizio Margheritini
- *Menisci: Comprehensive Review of Anatomy*
Editors: Robert F. LaPrade
Elizabeth A. Arendt
Alan Getgood
Scott C. Faucett
- *Surgical Techniques for Sports Related Injuries of the Elbow*
Editors: Gregory I. Bain
Denise Eygendaal
Roger van Riet

SURGICAL DEMONSTRATIONS

SUNDAY, JUNE 4, 2017

Knee

09:00 – 10:00

Room 2 – 4: Concurrent 4

Single Anteromedial Bundle Biological Augmentation

Bertrand Sonnery-Cottet, MD FRANCE

Moderator: Moises Cohen, MD, PhD, Prof. BRAZIL

Hip

10:15 – 10:45

Room 2 – 1: Concurrent 2

Hip Labral Repair

Marc J. Philippon, MD UNITED STATES

Moderator: J.W. Thomas Byrd, MD UNITED STATES

Total Knee Replacement

11:15 – 12:00

Room 2 – 1: Concurrent 2

Tibia First Balanced Femur Total Knee Arthroplasty

Mark Clatworthy, FRACS NEW ZEALAND

Moderator: Nicolaas Cyrillus Budhiparama, MD, FICS
INDONESIA

Shoulder – Instability

13:30 – 14:30

Room 2 – 3: Concurrent 3

Arthroscopic Bone Block for the Treatment of Glenoid Bone Loss

Ettore Taverna, MD ITALY

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

Knee – ACL

15:30 – 16:30

Room 2 – 4: Concurrent 4

Anatomical ACL Reconstruction

Freddie H. Fu, MD UNITED STATES

Darren Lee Johnson, MD UNITED STATES

Moderator: Charles H. Brown, Jr., MD
UNITED ARAB EMIRATES

Knee – Arthroplasty

16:30 – 17:30

Room 301: General Session

Robotic-Assisted Bi-Cruciate Substituting Total Knee Replacement

David Mayman, MD UNITED STATES

Moderator: Sebastien Lustig, MD, PhD, Prof. FRANCE

MONDAY, JUNE 5, 2017

Shoulder

14:00 – 14:45

Room 301: General Session

Rotator Cuff Repair

Ian King Yeung Lo, MD CANADA

Moderator: Jeffrey S. Abrams, MD UNITED STATES

Shoulder

15:30 – 16:15

Room 2 – 1: Concurrent 2

Posterior Instability Repair

Felix Henry Savoie III, MD UNITED STATES

Moderators: Philippe Landreau, MD QATAR
Ian King Yeung Lo, MD CANADA

Knee – Meniscus

16:30 – 17:30

Room 2 – 4: Concurrent 4

Meniscal Root Repair

Robert F. LaPrade, MD, PhD UNITED STATES

Hua Feng, MD CHINA

Moderator: James Robinson, MBBS, MRCS,
FRCS(orth), MS UNITED KINGDOM

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TUESDAY, JUNE 6, 2017

Shoulder – Rotator Cuff

10:45 – 11:30

Room 2 – 3: Concurrent 3

Treating Complex Rotator Cuff Tears

Yong-Girl Rhee, MD REPUBLIC OF KOREA

Moderator: Jeffrey S. Abrams, MD UNITED STATES

Knee – Lateral Extra – Articular Tenodesis

13:30 – 14:15

Room 2 – 4: Concurrent 4

Lateral Extra-Articular Tenodesis

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

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

Knee – MCL & Patellar Stabilization

14:15 – 15:05

Room 301: General Session

Patellar Stabilization

David Henri Dejour, MD FRANCE

**Sachin Ramchandra Tapasvi, MBBS, MS, DNB,
FRCS INDIA**

Moderator: Elizabeth A. Arendt, MD UNITED STATES

WEDNESDAY, JUNE 7, 2017

Shoulder – Rotator Cuff

11:00 – 12:00

Room 2 – 1: Concurrent 2

Massive Rotator Cuff Repair

John Tokish, MD UNITED STATES

Moderator: Emilio Calvo, MD, PhD, MBA SPAIN

Hip

13:30 – 14:15

Room 2 – 4: Concurrent 4

Gluteus Medius Repair

J.W. Thomas Byrd, MD UNITED STATES

Moderator: Marc R. Safran, MD UNITED STATES

Knee – Arthroplasty

15:30 – 16:30

Room 2 – 4: Concurrent 4

Kinematic Total Knee Replacement

Stephen M. Howell, MD UNITED STATES

Moderator: Myles Raphael James Coolican, FRACS
AUSTRALIA

ICLS AT A GLANCE

Instructional Course Lectures are included in your Congress Registration and are offered on Monday, June 5 through Thursday, June 8 from 07:30 – 09:00.

	Room 301: General Session	Room 2 – 1: Concurrent 2	Room 2 – 3: Concurrent 3	Room 2 – 4: Concurrent 4
MONDAY, JUNE 5, 2017	ICL #1	ICL #2	ICL #3	ICL #4
	Traumatic Anterior Instability: Repair vs. Augment – When and How? Chair: Geoffrey D. Abrams, MD UNITED STATES Giovanni Di Giacomo, MD ITALY Felix Henry Savoie III, MD UNITED STATES Hiroyuki Sugaya, MD JAPAN	Proximal Humerus Fractures: Management Chair: Andreas B. Imhoff, MD, Prof. GERMANY Mike H. Baums, MD, PhD, Asst. Prof. GERMANY Yi Lu, MD, PhD CHINA	Getting Athletes Back to Sport After Foot and Ankle Injuries Chair: Kenneth J. Hunt, MD UNITED STATES Gian Luigi Canata, MD ITALY Pieter D'Hooghe, MD QATAR Gino M.M.J. Kerkhoffs, MD, PhD, Prof. NETHERLANDS Mohammad Razi, MD ISLAMIC REPUBLIC OF IRAN	How to Get Started in Hip Arthroscopy Chair: Nick Mohtadi, MD, MSc, FRCSC CANADA Olufemi Rolland Ayeni, MD, MSc, FRCSC CANADA Nicolas Bonin, MD FRANCE
TUESDAY, JUNE 6, 2017	ICL #9	ICL #10	ICL #11	ICL #12
	Techniques of Rotator Cuff Repair: Single vs. Double vs. Triple Row Chair: Eiji Itoi, MD, PhD JAPAN Emilio Calvo, MD, PhD, MBA SPAIN Mark Ferguson, MD SOUTH AFRICA Felix Henry Savoie III, MD UNITED STATES	Instability with Bone Loss: A Case Based Approach Chair: Kevin D. Plancher, MD UNITED STATES Philippe P. Hardy, MD, PhD, Prof. FRANCE Mario Victor Larrain, MD ARGENTINA Anthony Miniaci, MD, FRCSC UNITED STATES Hiroyuki Sugaya, MD JAPAN Ettore Taverna, MD ITALY	SLAP and Biceps Injury Chair: Klaus Bak, MD DENMARK Mike H. Baums, MD, PhD, Asst. Prof. GERMANY Jiwu Chen, MD, PhD CHINA Eugene Teow Hin Ek, MBBS (Hons), PhD, FRACS (Ortho) AUSTRALIA Dan Guttman, MD UNITED STATES	Meniscus Tear Repair – Global View of Techniques Chair: Li Weiping, MD CHINA Jin Goo Kim, MD, PhD REPUBLIC OF KOREA Christopher John Vertullo, MBBS, FRACS (Orth), FAOrthA AUSTRALIA Bart Vundelinckx, MD BELGIUM
WEDNESDAY, JUNE 7, 2017	ICL #17	ICL #18	ICL #19	ICL #20
	Massive Rotator Cuff Tears: When to Repair and When to Replace? Chair: Guillermo Arce, MD ARGENTINA Angel Calvo, MD SPAIN Emilio Calvo, MD, PhD, MBA SPAIN Andreas B. Imhoff, MD, Prof. GERMANY Eiji Itoi, MD, PhD JAPAN Teruhisa Mihata, MD, PhD JAPAN John Tokish, MD UNITED STATES	MDI/Hyperlaxity: Does it Exist and How to Manage it Chair: Felix Henry Savoie III, MD UNITED STATES Yong-Girl Rhee, MD REPUBLIC OF KOREA Richard K.N. Ryu, MD UNITED STATES Daniel Adolfo Slullitel, MD, Prof. ARGENTINA	Techniques in Ankle Arthroscopy & OLTs Chair: Pieter D'Hooghe, MD QATAR Thomas Bauer, MD, PhD FRANCE Gian Luigi Canata, MD ITALY Eric Giza, MD UNITED STATES Yasuhito Tanaka, Prof. JAPAN C. Niek Van Dijk, MD, PhD NETHERLANDS	Evidence Based Management of FAI Chair: Olufemi Rolland Ayeni, MD, MSc, FRCSC CANADA Nicolas Bonin, MD FRANCE Marc J. Philippon, MD UNITED STATES Marc R. Safran, MD UNITED STATES Soshi Uchida, MD, PhD JAPAN
THURSDAY, JUNE 8, 2017	ICL #25	ICL #26		ICL #28
	Management of AC Joint Injuries: Is the Trend to Operative Management Industry or Evidence Driven? Chair: Andreas B. Imhoff, MD, Prof. GERMANY Klaus Bak, MD DENMARK Knut Beitzel, MD, MA GERMANY Felix Dyrna, MD GERMANY Ming Xiang, MD CHINA	Scaphoid Fracture: What Could Go Wrong? Chair: Jason Harvey, MD AUSTRALIA Pak-Cheong Ho, MD HONG KONG Josephine Wing-Yuk Ip, MD HONG KONG Enrique Esteban Pereira, MD ARGENTINA		ACL Reconstruction – Keeping it Simple and Safe Chair: Peter T. Myers, MBBS, FRACS, FAOrthA AUSTRALIA Karl Eriksson, MD, PhD, Asst. Prof. SWEDEN Jacques Ménétrey, Prof. SWITZERLAND Atsuo Nakamae, MD, PhD JAPAN Halit Pinar, Prof., MD TURKEY Andy Williams, MBBS, FRCS, FRCS (Orth), FFSEM(UK) UNITED KINGDOM

Room 2-5	Room 1-2	Room 1-5	Room 1-3
ICL #5	ICL #6	ICL #7	ICL #8
<p>Hand and Wrist Injuries in Sport Chair: Margaret Woon Man Fok, FRCS(Ortho), MBChB (Otago) HONG KONG Moroe Beppu, MD, PhD JAPAN Shanlin Chen, MD CHINA Bo Liu, MD CHINA Toshiyasu Nakamura, MD, PhD JAPAN Enrique Esteban Pereira, MD ARGENTINA</p>	<p>Strategic, Anatomical and Technical View of PLC Reconstruction Co-Chairs: Robert F. LaPrade, MD, PhD UNITED STATES Jinzhong Zhao, MD CHINA Fabio Janson Angelini, MD BRAZIL Hua Feng, MD CHINA Brett A. Fritsch, MBBS, BSc(Med) AUSTRALIA Claudio Zorzi, MD ITALY</p>	<p>How to Strategically Manage Complex Patellar Instability Chair: Alan Getgood, MD, FRCS(Tr&Orth), DipSEM CANADA Elizabeth A. Arendt, MD UNITED STATES David Henri Dejour, MD FRANCE Florian Dirisamer, MD AUSTRIA Julian A. Feller, FRACS AUSTRALIA</p>	<p>Current Concept in Unicompartamental Knee Arthroplasty Chair: Andrew James Price, DPhil, FRCS(Orth) UNITED KINGDOM Myles Raphael James Coolican, FRACS AUSTRALIA Shuichi Matsuda, MD, PhD JAPAN Willem Mare van der Merwe, MBChB, FCS, SA Ortho SOUTH AFRICA José Ricardo Confraria Varatojo, MD PORTUGAL</p>
ICL #13	ICL #14	ICL #15	ICL #16
<p>Introduction to Wrist Arthroscopy Chair: Gary G. Poehling, MD UNITED STATES Jason Harvey, MD AUSTRALIA Toshiyasu Nakamura, MD, PhD JAPAN Luigi Adriano Pederzini, MD ITALY</p>	<p>Revision ACL Reconstruction Chair: Robert G. Marx, MD, MSc, FRCS UNITED STATES Nobuo Adachi, MD, PhD JAPAN Charles H. Brown, Jr., MD UNITED ARAB EMIRATES Gianluca Camillieri, MD ITALY Philippe Colombet, MD FRANCE James Robinson, MBBS, MRCS, FRCS(Orth), MS UNITED KINGDOM</p>	<p>ACL Youth Injury Prevention: Should Global Programs be Implemented? Chair: Timothy E. Hewett, PhD UNITED STATES Diane Lynn Dahm, MD UNITED STATES Lars Engebretsen, MD, PhD NORWAY Hermann Otto Mayr, MD, Prof. GERMANY</p>	<p>Achieving a Successful Outcome in the Difficult Primary TKA Co-Chairs: Francesco Maria Benazzo, MD, Prof. ITALY Myung Chul Lee, MD, PhD, Prof. REPUBLIC OF KOREA Myles Raphael James Coolican, FRACS AUSTRALIA David Anthony Parker, MBBS, BMedSci, FRACS AUSTRALIA</p>
ICL #21	ICL #22	ICL #23	ICL #24
<p>Elbow Arthroscopy: From Basic to Advanced Chair: Luigi Adriano Pederzini, MD ITALY Deepak N. Bhatia, MS(Orth), DNB(Orth) INDIA Gregory Alexander Hoy, FRACS, FAOrthA, FACSP, FASMF AUSTRALIA Gary G. Poehling, MD UNITED STATES</p>	<p>Avoiding Complications in Opening Wedge High Tibial Osteotomy Chair: Annunziato Amendola, MD UNITED STATES Mark Clatworthy, FRACS NEW ZEALAND Yong In, MD, PhD REPUBLIC OF KOREA Robin Martin, MD SWITZERLAND David Anthony Parker, MBBS, BMedSci, FRACS AUSTRALIA Steffen Schröter, MD, PD GERMANY</p>	<p>Standard Diagnosis & Treatment Protocol of Knee Dislocation and Multiple Ligament Injury Co-Chairs: Hua Feng, MD CHINA Jian Li, MD CHINA Francesco Giron, MD, PhD ITALY Robert G. Marx, MD, MSc, FRCS UNITED STATES Daniel Whelan, MD, MSc, FRCS CANADA</p>	<p>Femoral and Tibial Component Rotation: How to Get it Right? Co-Chairs: Nicolaas Cyrillus Budhiparama, MD, FICS INDONESIA Shuichi Matsuda, MD, PhD JAPAN John Bartlett, MD AUSTRALIA Myung Chul Lee, MD, PhD Parag Kantilal Sancheti, MS (Orth), DNB (Orth), Mch (Orth), FRCS (Ed) INDIA</p>
ICL #29	ICL #30	ICL #31	ICL #32
<p>Habitual Patella Dislocation Co-Chairs: Elizabeth A. Arendt, MD UNITED STATES David Henri Dejour, MD FRANCE Hua Feng, MD CHINA Ryosuke Kuroda, MD, PhD JAPAN</p>	<p>Achieving Normal Kinematics in Total Knee Arthroplasty Co-Chairs: Johan Bellemans, MD, PhD BELGIUM Eun Kyoo Song, Prof., MD, PhD REPUBLIC OF KOREA Stephen M. Howell, MD UNITED STATES Tokifumi Majima, MD, PhD JAPAN Andrew James Price, DPhil, FRCS(Orth) UNITED KINGDOM</p>	<p>Return to Sports Following ACL Injury Co-Chairs: Lynn Snyder-Mackler, PT, ScD, FAPTA UNITED STATES Kate E. Webster, PhD AUSTRALIA Shiyi Chen, MD, PhD CHINA Bjorn Engstrom, MD, PhD, Assoc. Prof. SWEDEN Christian Hoser, MD AUSTRIA Andy Williams, MBBS, FRCS, FRCS (Orth), FFSEM(UK) UNITED KINGDOM</p>	<p>Arthroscopic Surgery for Extra-Articular Disorders Chair: Robert Jacek Smigielski, MD POLAND Christian Hoser, MD AUSTRIA Yujie Liu, MD CHINA Parag Kantilal Sancheti, MS (Orth), DNB (Orth), Mch (Orth), FRCS (Ed) INDIA Urszula Ewa Zdanowicz, MD POLAND</p>

MONDAY, JUNE 5, 2017

ICL #1

Room 301: General Session

Traumatic Anterior Instability: Repair vs. Augment – When and How?

Chair: Geoffrey D. Abrams, MD UNITED STATES

Giovanni Di Giacomo, MD ITALY

Felix Henry Savoie III, MD UNITED STATES

Hiroyuki Sugaya, MD JAPAN

- Defining Bone Loss: Past, Present, Future
- Moderate Bone Loss – Arthroscopic and Open Bankart
- Arthroscopic Management for Shoulders with Significant Glenoid Bone Loss with and without Bony Fragment
- Bone Augmentation for Shoulder Instability

ICL #2

Room 2 – 1: Concurrent 2

Proximal Humerus Fractures: Management

Chair: Andreas B. Imhoff, MD, Prof. GERMANY

Mike H. Baums, MD, PhD, Asst. Prof. GERMANY

Yi Lu, MD, PhD CHINA

- Partial Humeral Replacement Arthroscopic Assisted
- Reverse Total Shoulder Arthroplasty in Proximal Humerus Fractures
- Is There Any Difference Between Plate and Nail When Treating Proximal Humeral Fractures
- Case Discussion

ICL #3

Room 2 – 3: Concurrent 3

Getting Athletes Back to Sport After Foot and Ankle Injuries

Chair: Kenneth J. Hunt, MD UNITED STATES

Gian Luigi Canata, MD ITALY

Pieter D'Hooghe, MD QATAR

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

Mohammad Razi, MD ISLAMIC REPUBLIC OF IRAN

- Incidence and Epidemiology of Foot and Ankle Injury in Sport
- Returning Athletes to Sport Following Treatment of Osteochondral Injuries in the Talus
- Foot and Ankle Osteoarthritis Management and Return to Sport
- Management of Tendinopathies of the Foot and Ankle: Getting Athletes Back to Sport
- Return to Sport After Ankle Ligament Injury and Repair
- Case Presentations

ICL #4

Room 2 – 4: Concurrent 4

How to Get Started in Hip Arthroscopy

Chair: Nick Mohtadi, MD, MSc, FRCSC CANADA

Olufemi Rolland Ayeni, MD, MSc, FRCSC CANADA

Nicolas Bonin, MD FRANCE

ICL #5

Room 2 – 5

Hand and Wrist Injuries in Sport

Chair: Margaret Woon Man Fok, FRCSED(ortho), MBChB (Otago) HONG KONG

Moree Beppu, MD, PhD JAPAN

Shanlin Chen, MD CHINA

Bo Liu, MD CHINA

Toshiyasu Nakamura, MD, PhD JAPAN

Enrique Esteban Pereira, MD ARGENTINA

- Scaphoid Fractures in Athletes
- DRUJ Instability in Athletes
- SL Reconstruction in Athletes
- Tendinopathies in Hands and Wrist
- Sports-Related PIP Joint Injuries
- Sports-Related Thumb Injuries

ICL #6

Room 1 – 2

Strategic, Anatomical and Technical View of PLC Reconstruction

Co-Chairs: Robert F. LaPrade, MD, PhD UNITED STATES

Jinzhong Zhao, MD CHINA

Fabio Janson Angelini, MD BRAZIL

Hua Feng, MD CHINA

Brett A. Fritsch, MBBS, BSc(Med) AUSTRALIA

Claudio Zorzi, MD ITALY

- Clinically Relevant Posterolateral Knee Anatomy
- Timing of PLC Surgery and Key Physical Examination and Radiologic Imaging Points
- Minimally Invasive / Arthroscopic PLC Techniques and Technical Issues
- Acute PLC Injuries – A Case Review with Clinical Pearls
- Chronic PLC Injuries – A Case Review with Clinical Pearls

MONDAY, JUNE 5, 2017

ICL #7

Room 1 – 5

How to Strategically Manage Complex Patellar Instability

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

Elizabeth A. Arendt, MD UNITED STATES

David Henri Dejour, MD FRANCE

Florian Dirisamer, MD AUSTRIA

Julian A. Feller, FRACS AUSTRALIA

- A Novel Decision Making Algorithm for PF Instability
- Current Role of TTO in 2017
- Combined Procedures in Complex PF Instability: When, What and How?
- How to Deal With MPFL/TTO Failure
- Options on How to Treat PF Chondrosis
- Complex PF Instability Cases

ICL #8

Room 1 – 3

Current Concept in Unicompartmental Knee Arthroplasty

Chair: Andrew James Price, DPhil, FRCS(Orth) UNITED KINGDOM

Myles Raphael James Coolican, FRACS AUSTRALIA

Shuichi Matsuda, MD, PhD JAPAN

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

José Ricardo Confraria Varatojo, MD PORTUGAL

- Why Would you Perform a Unicompartmental Knee Arthroplasty?
- UKA or HTO – Selecting the Right Treatment Option for the Individual Patient
- UKA or TKA – What are the Indications for UKA?
- UKA – Encouraging Enhanced Recovery
- Revision of UKA – Is this an Easy Operation?

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TUESDAY, JUNE 6, 2017

ICL #9

Room 301: General Session

**Techniques of Rotator Cuff Repair:
Single vs. Double vs. Triple Row****Chair: Eiji Itoi, MD, PhD JAPAN***Emilio Calvo, MD, PhD, MBA SPAIN**Mark Ferguson, MD SOUTH AFRICA**Felix Henry Savoie III, MD UNITED STATES*

- Overview of Rotator Cuff Repair
- Single Row Repair
- Double Row Repair
- Triple Row Repair
- Systematic Review

ICL #10

Room 2 – 1: Concurrent 2

**Instability with Bone Loss:
A Case Based Approach****Chair: Kevin D. Plancher, MD UNITED STATES***Philippe P. Hardy, MD, PhD, Prof. FRANCE**Mario Victor Larrain, MD ARGENTINA**Anthony Miniaci, MD, FRCSC UNITED STATES**Hiroiyuki Sugaya, MD JAPAN**Ettore Taverna, MD ITALY*

- 55-Year-Old Female Tennis Player with Anterior Shoulder Instability: My Algorithm to Get Patients Back on the Court
- 25-Year-Old Olympic Freestyle Swimmer with Recurrent Shoulder Instability and Mild Glenoid Bone Loss: Incorporate the Bony Fragment, Let Me Show You How with an Arthroscopic Bankart Repair
- 38-Year-Old Olympic Weight Lifter with Marked Glenoid Bone Loss: The Open Latarjet Will Get You Results – Making the Diagnosis, The Technique to Make It Perfect
- 35-Year-Old Rugby Player with Recurrent Shoulder Instability and Severe Humeral and Glenoid Bone Loss: The Role of Remplissage and Other Tricks to Succeed!

ICL #11

Room 2 – 3: Concurrent 3

SLAP and Biceps Injury**Chair: Klaus Bak, MD DENMARK***Mike H. Baums, MD, PhD, Asst. Prof. GERMANY**Jiwu Chen, MD, PhD CHINA**Eugene Teow Hin Ek, MBBS (Hons), PhD, FRACS (Ortho) AUSTRALIA**Dan Guttmann, MD UNITED STATES*

- Clinical Characteristics and Imaging of the SLAP Tear
- Anatomy and Biomechanics of the Superior Labrum and the Long Head of the Biceps Tendon
- Controversies in the Management of SLAP II Tears
- Biceps Tenotomy or Tenodesis? Indications, Techniques and Prognosis
- Treatment of Superior Labrum Anterior-Posterior (SLAP) Lesions: Physiotherapy vs. Repair vs. Biceps Tenodesis

ICL #12

Room 2 – 4: Concurrent 4

**Meniscus Tear Repair –
Global View of Techniques****Chair: Li Weiping, MD CHINA***Jin Goo Kim, MD, PhD REPUBLIC OF KOREA**Christopher John Vertullo, MBBS, FRACS (Orth), FAOrthA AUSTRALIA**Bart Vundelinckx, MD BELGIUM*

ICL #13

Room 2 – 5

Introduction to Wrist Arthroscopy**Chair: Gary G. Poehling, MD UNITED STATES***Jason Harvey, MD AUSTRALIA**Toshiyasu Nakamura, MD, PhD JAPAN**Luigi Adriano Pederzini, MD ITALY*

- Anatomy and Portals
- Triangular Fibrocartilage Lesions and Treatment
- Scapholunate Ligament Injuries Diagnosis and Treatment
- Lunotriquetral ligament Injuries Diagnosis and Treatment
- DRUJ Arthroscopy & Ulnar Shortening Osteotomy Changes in TFC
- Wrist Fractures: The Role of Arthroscopy
- Arthroscopic Treatment of Wrist Ganglions

TUESDAY, JUNE 6, 2017

ICL #14

Room 1 – 2

Revision ACL Reconstruction

Chair: Robert G. Marx, MD, MSc, FRCSC
UNITED STATES

Nobuo Adachi, MD, PhD JAPAN

Charles H. Brown, Jr., MD UNITED ARAB EMIRATES

Gianluca Camillieri, MD ITALY

Philippe Colombet, MD FRANCE

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

- Addressing Medial and Lateral Laxity in Revision ACL Reconstruction
- Two-Stage Revision
- Extra Articular Augmentation
- Causes of Failure in ACL Reconstruction
- Imaging the Failed ACL
- One-Stage Revision ACL Reconstruction: Technical Considerations

ICL #15

Room 1 – 5

ACL Youth Injury Prevention: Should Global Programs be Implemented?

Chair: Timothy E. Hewett, PhD UNITED STATES

Diane Lynn Dahm, MD UNITED STATES

Lars Engebretsen, MD, PhD NORWAY

Hermann Otto Mayr, MD, Prof. GERMANY

- Youth ACL injuries: the Scope of the Problem
- Effects of the Adolescent Growth Spurts on LE Biomechanics & ACL Injury Risk
- Different Aspects for Male, Female, and Adolescent Athletes in Prevention of Sport Injuries
- Lower Extremity Injury Prevention Strategies in Female Youth Football – Basic and Advanced Version of an Injury Prevention Program

ICL #16

Room 1 – 3

Achieving a Successful Outcome in the Difficult Primary TKA

Co-Chairs: Francesco Maria Benazzo, MD, Prof.
ITALY

Myung Chul Lee, MD, PhD, Prof.
REPUBLIC OF KOREA

Myles Raphael James Coolican, FRACS AUSTRALIA

David Anthony Parker, MBBS, BMedSci, FRACS
AUSTRALIA

- Knee With Severe Varus Deformity and Flexion Contracture
- Knee With Valgus Deformity
- Ankylosed Knee
- Extraarticular Deformity

WEDNESDAY, JUNE 7, 2017

ICL #17

Room 301: General Session

Massive Rotator Cuff Tears: When to Repair and When to Replace?**Chair: Guillermo Arce, MD ARGENTINA***Angel Calvo, MD SPAIN**Emilio Calvo, MD, PhD, MBA SPAIN**Andreas B. Imhoff, MD, Prof. GERMANY**Eiji Itoi, MD, PhD JAPAN**Teruhisa Mihata, MD, PhD JAPAN**John Tokish, MD UNITED STATES*

- Biology and Biomechanics Behind the Tears
- The Workhorse: Releases and Repairs
- Superior Capsule Reconstruction
- Assuring a Stable Fulcrum: Augments and Patches
- The Emerging Role of the Subacromial Balloon
- Tendon Transfers: Options and Outcomes
- We Throw in the Towel: Reverse Shoulder Arthroplasty
- Problem Cases

ICL #18

Room 2 – 1: Concurrent 2

MDI / Hyperlaxity: Does it Exist and How to Manage it**Chair: Felix Henry Savoie III, MD UNITED STATES***Yong-Girl Rhee, MD REPUBLIC OF KOREA**Richard K.N. Ryu, MD UNITED STATES**Daniel Adolfo Slullitel, MD, Prof. ARGENTINA*

- Examination of the Lax Shoulder with Special Attention to the Scapula
- Genetics and Collagen in the Hyperlax Shoulder: Can We Really Fix the Problem with Surgery?
- MDI in Sportsmen and Technique of the Arthroscopic Capsular Shift
- Open Capsular Shift: Is There a Place? When and How?
- Technique and Results in Voluntary Dislocators
- Failed MDI Surgery and Allograft Reconstruction

ICL #19

Room 2 – 3: Concurrent 3

Techniques in Ankle Arthroscopy & OLTs**Chair: Pieter D'Hooghe, MD QATAR***Thomas Bauer, MD, PhD FRANCE**Gian Luigi Canata, MD ITALY**Eric Giza, MD UNITED STATES**Yasuhito Tanaka, Prof. JAPAN**C. Niek Van Dijk, MD, PhD NETHERLANDS*

- The Role of Alignment
- Debridement & Bone Marrow Stimulation
- Therapeutic Strategies in Symptomatic OLT's: How to Choose?
- Fixation Procedures of Osteochondral Fragments in OLT
- Talus OLT Repair with Particulated Allograft

ICL #20

Room 2 – 4: Concurrent 4

Evidence Based Management of FAI**Chair: Olufemi Rolland Ayeni, MD, MSc, FRCSC CANADA***Nicolas Bonin, MD FRANCE**Marc J. Philippon, MD UNITED STATES**Marc R. Safran, MD UNITED STATES**Soshi Uchida, MD, PhD JAPAN*

- Management of CAM Impingement (How much Bone and where / Outcomes)
- Management of Pincer Impingement (How much Bone and where / Outcomes)
- Management of the Labrum in FAI (Repair / Reconstruction / Outcomes)
- Management of the Capsule in FAI: (Closure: yes / no / maybe / Outcomes)

WEDNESDAY, JUNE 7, 2017

ICL #21

Room 2-5

Elbow Arthroscopy: From Basic to Advanced

Chair: Luigi Adriano Pederzini, MD ITALY

Deepak N. Bhatia, MS(Orth), DNB(Orth) INDIA

Gregory Alexander Hoy, FRACS, FAOrthA, FACSP, FASMF AUSTRALIA

Gary G. Poehling, MD UNITED STATES

- Set Up & Portals
- Epicondylitis
- Instability
- Stiffness & OCD
- Biceps Tendon Pathology, Endoscopy and Repair

ICL #22

Room 1-2

Avoiding Complications in Opening Wedge High Tibial Osteotomy

Chair: Annunziato Amendola, MD UNITED STATES

Mark Clatworthy, FRACS NEW ZEALAND

Yong In, MD, PhD REPUBLIC OF KOREA

Robin Martin, MD SWITZERLAND

David Anthony Parker, MBBS, BMedSci, FRACS AUSTRALIA

Steffen Schröter, MD, PD GERMANY

- Combined ACL and HTO
- Avoiding Poor Coronal Correction
- Avoiding Fixation Related Complications
- How to Avoid Coronal Mal-Alignment, Intraop Fractures, and Delayed or Nonunion
- Risk Factors for Adverse Events in Opening Wedge HTO

ICL #23

Room 1-5

Standard Diagnosis & Treatment Protocol of Knee Dislocation and Multiple Ligament Injury

Co-Chairs: Hua Feng, MD CHINA

Jian Li, MD CHINA

Francesco Giron, MD, PhD ITALY

Robert G. Marx, MD, MSc, FRCSC UNITED STATES

Daniel Whelan, MD, MSc, FRCSC CANADA

- Current Best Evidence on the Management of Multi-Ligament Injuries
- Treatment Strategies and Current Evidence for Posterolateral Corner Injuries
- Treatment of MCL/PMC Injuries in the Multiligament Injured Knee
- Patterns of Malalignment in Association with Ligament Instability
- A New Clinical Classification for Knee Dislocation and Multiple Ligament Injuries and Associated Treatment Protocol

ICL #24

Room 1-3

Femoral and Tibial Component Rotation: How to Get it Right?

Co-Chairs: Nicolaas Cyrillus Budhiparama, MD, FICS INDONESIA

Shuichi Matsuda, MD, PhD JAPAN

John Bartlett, MD AUSTRALIA

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

Myung Chul Lee, MD, PhD

- What is a Target for Femoral Component? Clinical Standpoint
- What is a Target for Tibial Component? Clinical Standpoint
- Importance of Rotational Position of the Components: Biomechanical Standpoint
- Technical Issue for Femoral Rotation
- Technical Issue for Tibial Rotation

THURSDAY, JUNE 8, 2017

ICL #25

Room 301: General Session

Management of AC Joint Injuries: Is the Trend to Operative Management Industry or Evidence Driven?**Chair: Andreas B. Imhoff, MD, Prof. GERMANY***Klaus Bak, MD DENMARK**Knut Beitzel, MD, MA GERMANY**Felix Dyrna, MD GERMANY**Ming Xiang, MD CHINA*

- AC Joint Anatomy and Biomechanics in 2017 – New Info to Help in Treatment
- The Scapula and Shoulder Girdle – How it Impacts Operative and Nonoperative Treatment
- The Munich History of Operative Fixation, Biomechanics, and Outcomes. What this has Evolved to in 2017
- Complications of Operative and Nonoperative Treatment of AC Injuries in 2017. How these Influence my Decisions
- Is the Trend Toward Operative Fixation Industry or Evidence Driven?
- Operative versus Nonoperative

ICL #26

Room 2 – 1: Concurrent 2

Scaphoid Fracture: What Could Go Wrong?**Chair: Jason Harvey, MD AUSTRALIA***Margaret Woon Man Fok, FRCS(ortho),**MBChB (Otago) HONG KONG**Pak-Cheong Ho, MD HONG KONG**Bo Liu, MD CHINA**Wendong Xu, MD CHINA*

- Scaphoid Fracture Diagnosis & Treatment of Non-Displaced Scaphoid Fractures
- Open & Arthroscopic Management of “Displaced” Scaphoid Fractures
- 3D Printing Technology in Acute Scaphoid Fracture Fixation
- Arthroscopic Bone Grafting of Scaphoid Non-Unions
- Open versus Arthroscopic Management of Transcaphoid Peri-Lunate Fracture Dislocation
- Open Bone Grafting of Scaphoid Non-Unions, Non-VBG and VBG

ICL #28

Room 2 – 4: Concurrent 4

ACL Reconstruction Keeping it Simple and Safe**Chair: Peter T. Myers, MBBS, FRACS, FAOrthA AUSTRALIA***Karl Eriksson, MD, PhD, Asst. Prof. SWEDEN**Jacques Ménétrey, Prof. SWITZERLAND**Atsuo Nakamae, MD, PhD JAPAN**Halit Pinar, Prof., MD TURKEY**Andy Williams, MBBS, FRCS, FRCS (Orth), FFSEM(UK) UNITED KINGDOM*

- Setup, Portals, Preparing the Notch
- Graft Harvesting – Hamstrings
- Graft Harvesting – Patellar Tendon
- Femoral Tunnel
- Tibial Tunnel
- Graft Passing and Fixation

ICL #29

Room 2 – 5

Habitual Patella Dislocation**Co-Chairs: Elizabeth A. Arendt, MD UNITED STATES****David Henri Dejour, MD FRANCE***Hua Feng, MD CHINA**Ryosuke Kuroda, MD, PhD JAPAN*

- When to Consider Quad Lengthening (Pediatric Population) with Technical Points
- When to Consider Quad Lengthening (Adult Population) with Technical Points
- Malrotation of the Femur after Fracture, its Impact on the Patella
- When should MPTL Reconstruction be Considered: Anatomy and Technique Points
- When to Consider Proximal Transposition of the Tibial Tubercle to Lengthen Extensor Mechanism, Pros and Cons of this Technique
- Failure of Diagnosis Leading to Failed Surgery. What to do Next?

THURSDAY, JUNE 8, 2017

ICL #30

Room 1 – 2

Achieving Normal Kinematics in Total Knee Arthroplasty

Co-Chairs: Johan Bellemans, MD, PhD BELGIUM
Eun Kyoo Song, Prof., MD, PhD
REPUBLIC OF KOREA

Stephen M. Howell, MD UNITED STATES

Tokifumi Majima, MD, PhD JAPAN

Andrew James Price, DPhil, FRCS(Orth)
 UNITED KINGDOM

- Kinematically Aligned TKA Restores JT Lines and Tibial Component Forces Close to Native Knee Without Soft Tissue Release
- Knee Kinematics After TKA Depends on Preoperative Kinematics
- Patient Reported Outcomes After Cruciate Retaining Arthroplasty – From Partial to Total

ICL #31

Room 1 – 5

Return to Sports Following ACL Injury

Co-Chairs: Lynn Snyder-Mackler, PT, ScD, FAPTA
UNITED STATES

Kate E. Webster, PhD AUSTRALIA

Shiyi Chen, MD, PhD CHINA

Bjorn Engstrom, MD, PhD, Assoc. Prof. SWEDEN

Christian Hoser, MD AUSTRIA

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

- What Factors Affect Return to Sport After ACL Reconstruction
- Return to Sport and the Risk of Subsequent ACL Injury in the Younger Patient
- Surgical Aspects Influencing Return to, and Maintaining Sporting Activity
- Simple Rules to Reduce Second Injury After ACLR and Return to Sports: Lessons from the Delaware-Oslo Cohort
- Return to Sport Following ACL Injury – Swedish Data
- Objective Measures to Determine Return to Sports Following ACL Reconstruction – What Have we Learned?

ICL #32

Room 1 – 3

Arthroscopic Surgery for Extra-Articular Disorders

Chair: Robert Jacek Smigielski, MD POLAND

Christian Hoser, MD AUSTRIA

Yujie Liu, MD CHINA

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

Urszula Ewa Zdanowicz, MD POLAND

- Achilles Tendon Endoscopy
- Endoscopic approach to Osgood-Schlatter Disease
- Endoscopic Approach to Nerve Release
- Endoscopic Approach to Baker Cyst

SUNDAY, JUNE 4, 2017

#101

ACL Reconstruction – Reconstruct with Confidence

Supported by Smith & Nephew

Room 301: General Session

Moderators: Charles H. Brown Jr., MD

UNITED ARAB EMIRATES

James T. Robinson, MD

UNITED ARAB EMIRATES

Freddie Fu, MD UNITED STATES

Chris Vertullo, MD AUSTRALIA

Philippe N. Neyret, MD FRANCE

Volker Musahl, MD UNITED STATES

Al Getgood, MD CANADA

Andy Williams, MD UNITED KINGDOM

Joan Carles Monllau, MD SPAIN

Ryosuke Kuroda, MD JAPAN

Julian Feller, MD AUSTRALIA

Robert LaPrade, MD, UNITED STATES

Bertrand Sonnerly-Cottet, MD FRANCE

A world-class faculty panel will share practical tips for ACL Reconstruction, discuss the role for lateral extra-articular reconstruction, and how to handle the nightmare ACL patient.

#102

Advanced Tendon Repair: Development of Autologous Tendon Cell Injection and Implantation

Supported by Orthocell Ltd

Room 2–3: Concurrent 3

John Bartlett, MD AUSTRALIA

Kai-Ming Chan, MBBS, MCH(ORTH), FRCPS(G),

FRCS(E), FRCS.ED(ORTH) HONG KONG

Allan Wang, FRACS PhD FA OrthA AUSTRALIA

Ming Hao Zheng, PhD, DM, FRCPATH, FRCPA

AUSTRALIA

This session describes the scientific and clinical evidence of using autologous tendon cells for tendon repair. A proposed treatment algorithm for tendinopathy is also discussed.

#104

Addressing Complex Knee Procedures

Supported by ConMed

Room 302

Laurie Anne Hiemstra, MD, PhD, FRCSC CANADA

Pablo E. Gelber, MD, PhD SPAIN

Wuey Min Ng, Prof. Dr. MALAYSIA

Hui Zhang, MD CHINA

This workshop will feature a keynote presentation by a leading expert in the field of sports medicine, Dr. Laurie Hiemstra. Following the lecture, participants will have the opportunity to learn from the experts on ACL, MPFL and Meniscal Repair.

MONDAY, JUNE 5, 2017

#201

Experience the Handheld Robotic Technology in Knee Replacement

Supported by Smith & Nephew

Room 2–1: Concurrent 2

David Mayman, MD UNITED STATES

Sebastien Lustig, MD FRANCE

Join us to experience the latest in robotic-assisted knee replacement and learn how NAVIO Surgical System recreates a 3 dimensional representation of a patient's anatomy, allowing the user to create a precise surgical plan and well-balanced knee.

#202

Challenging Shoulder Procedures and Innovative Solutions

Supported by Smith & Nephew

Room 2–3: Concurrent 3

Felix Henry Savoie III, MD UNITED STATES

Ettore Taverna, MD ITALY

Ian King Yeung Lo, MD CANADA

Please join us as each of the faculty will present an innovative solution to treat the most challenging shoulder procedures

MONDAY, JUNE 5, 2017

#203

Diagnostic Algorithm for Degenerative Rotator Cuff Disease. How I Manage PASTA Lesions. Mini-Open and Open Options / Pros-Cons to Treat Rotator Cuff Pathologies

Supported by DePuy Synthes Mitek Sports Medicine

Room 2-4: Concurrent 4

Moderator: Jinzhong Zhao, MD CHINA

Emilio Calvo, MD, PhD, MBA SPAIN

Gregory Alexander Hoy, FRACS, FAOrthA, FACSP, FASMF AUSTRALIA

#204

The Continuum of Care: From Knee Arthroscopy to Arthroplasty

Supported by Zimmer Biomet Institute

Room 1-5

Andrew D. Pearle, MD UNITED STATES

Jeffrey H. DeClaire, MD UNITED STATES

Craig Steven Waller, MD, FRACS AUSTRALIA

Ryosuke Kuroda, MD, PhD JAPAN

Eric C. McCarty, MD UNITED STATES

Understand and discuss the current clinical trends in soft tissue repair and joint replacement of Knee.

#205

New Solutions for Treating Shoulder Problems

Supported by ConMed

Room 302

Jeffrey S. Abrams, MD UNITED STATES

Raul Barco, MD, PhD, FEBOT SPAIN

Alessandro Castagna, MD ITALY

Bancha Chernchujit, MD THAILAND

Alberto E. Martinez MD COLOMBIA

Yong-Girl Rhee, MD REPUBLIC OF KOREA

Kotaro Yamakado, MD, PhD JAPAN

Jae Chul Yoo, MD REPUBLIC OF KOREA

Yiming Zhu, MD CHINA

This workshop will feature a keynote presentation by a leading expert in the field of shoulder arthroscopy, Dr. Jeffrey Abrams. Following the lecture, participants will have the opportunity to learn how to treat simple to complex rotator cuff tears, as well as anterior and posterior instability, and biceps.

TUESDAY, JUNE 6, 2017

#301

Save the Meniscus

Supported by Smith & Nephew

Room 301: General Session

*Moderators: Charles H. Brown Jr., MD
UNITED ARAB EMIRATES*

James T. Robinson, MD

UNITED ARAB EMIRATES

Richard Von Bormann, MD SOUTH AFRICA

Peter Myers, MD AUSTRALIA

Tim Spalding, MD UNITED KINGDOM

Rodrigo Maestu, MD ARGENTINA

Robert LaPrade, MD UNITED STATES

Hua Feng, MD CHINA

Sachin Tapasvi, MD INDIA

Masters from across the globe share rationale and techniques for preserving the meniscus, including trending topics of addressing meniscal root and ramp lesions

#302

Instability – Soft Tissue Repair, Bony Augmentation, Latarjet – When and Why?

Supported by DePuy Synthes Mitek Sports Medicine

Room 2-4: Concurrent 4

Moderator: Chun Yan Jiang, MD, PhD CHINA

Richard K.N. Ryu, MD UNITED STATES

Hiroyuki Sugaya, MD JAPAN

Kenneth Cutbush, MBBS, FRACS, FAOrthA AUSTRALIA

Continued on next page

TUESDAY, JUNE 6, 2017

#303

New Solutions for Treating Shoulder Problems

Supported by ConMed

Room 302

Jeffrey S. Abrams, MD UNITED STATES

Raul Barco, MD, PhD, FEBOT SPAIN

Alessandro Castagna, MD ITALY

Bancha Chernchujit, MD THAILAND

Alberto E. Martinez MD COLOMBIA

Yong-Girl Rhee, MD REPUBLIC OF KOREA

Kotaro Yamakado, MD, PhD JAPAN

Jinzhong Zhao, MD CHINA

This workshop will feature a keynote presentation by a leading expert in the field of shoulder arthroscopy, Dr. Alessandro Castagna. Following the lecture, participants will have the opportunity to learn how to treat simple to complex rotator cuff tears, as well as anterior and posterior instability, and biceps.

WEDNESDAY, JUNE 7, 2017

#401

The Arthroscopic Hip Case: Techniques from Around the Globe

Supported by Smith & Nephew

Room 2-3: Concurrent 3

J.W. Thomas Byrd, MD UNITED STATES

Marc J. Philippon, MD UNITED STATES

Soshi Uchida, MD, JAPAN

Rodrigo Mardones, MD CHILE

A world-class surgeon panel will address top of mind surgical repair techniques in hip arthroscopy including labral repairs with all-suture anchors, labral reconstruction, pincer revisions and shelf acetabuloplasty

#402

Addressing Complex Knee Procedures

Supported by ConMed

Room 302

Pablo E. Gelber, MD, PhD SPAIN

Laurie Anne Hiemstra, MD, PhD, FRCSC CANADA

Alberto Enrique Martinez, MD COLOMBIA

Joan Carles Monllau, MD SPAIN

Wuey Min Ng, Prof. Dr. MALAYSIA

Hui Zhang, MD CHINA

This workshop will feature a keynote presentation by a leading expert in the field of sports medicine, Dr. Pablo Gelber. Following the lecture, participants will have the opportunity to learn from the experts on ACL, MPFL and Meniscal Repair.

#403

InSpace – Treatment for Massive Rotator Cuff Tears

Supported by OrthoSpace

Room 305 A-B

Eran Maman, MD ISRAEL

Angel Calvo, MD SPAIN

The InSpace System as a treatment for Massive Rotator Cuff Tears – Panel Discussion followed by a Q&A session from the audience.

#404

A Step Forward in TKA with the ATTUNE® Knee System

Supported by DePuy Synthes Mitek Sports Medicine

Room 2-4: Concurrent 4

Mark Clatworthy, FRACS NEW ZEALAND

A discussion on current techniques and best practices with a specific focus on improving functional outcomes and patient satisfaction post total knee replacement.

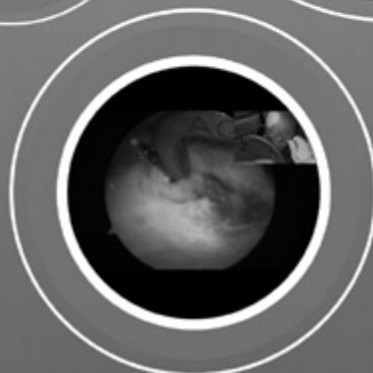
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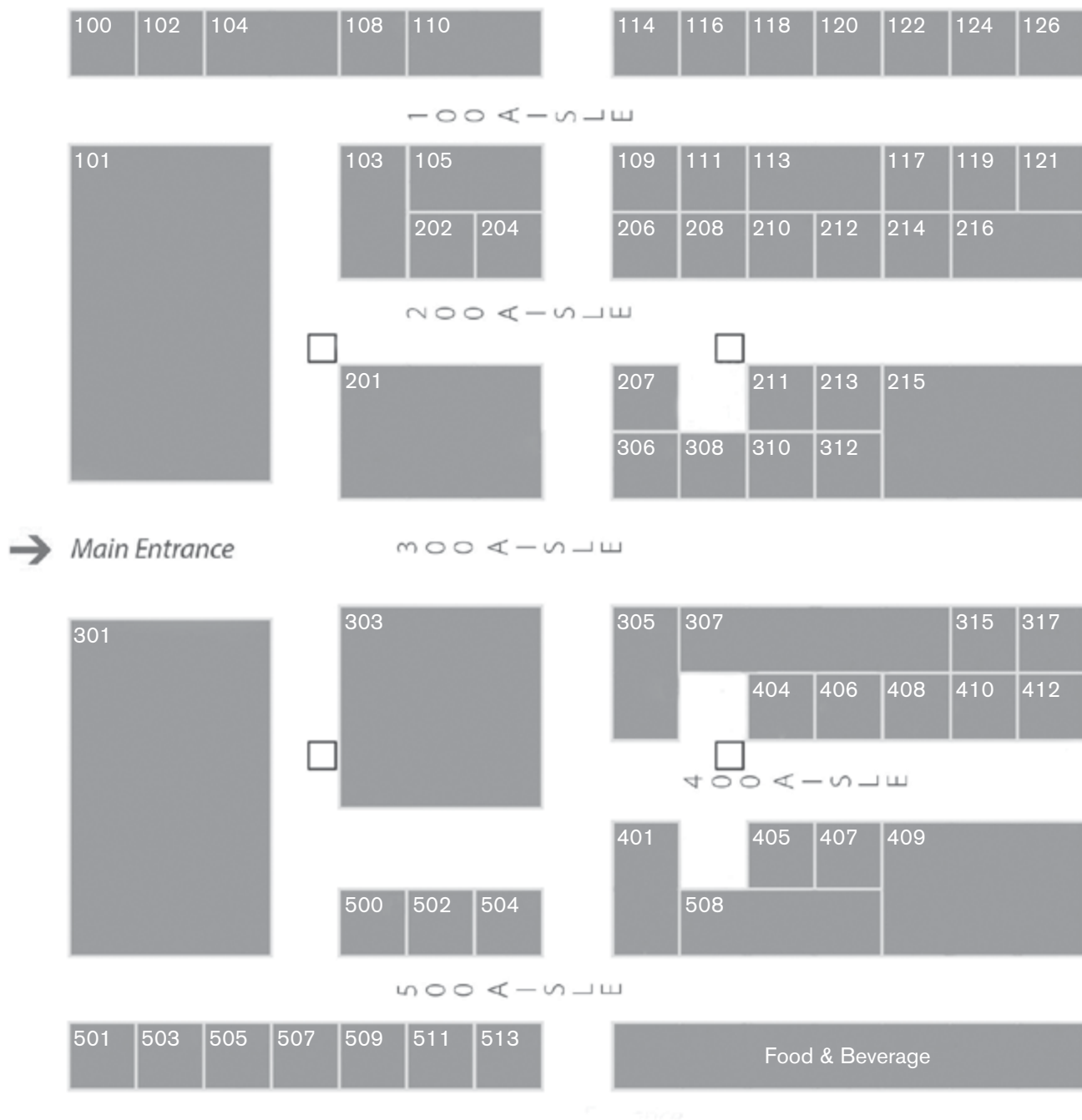
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Shanghai Haohai Biological Technology is a leading company in the PRC focusing on the R&D, manufacturing and sales of absorbable biomedical materials.

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www.cartilage.org

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ICRS is a forum for international collaboration in cartilaginous tissue research by bringing together basic scientists and clinical researchers and Industry engaged or interested in the field of cartilage biology and cartilaginous tissue engineering.

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Industrial Park, 325
Bourton on the Water, 311
Gloucestershire GL54 2HQ
UNITED KINGDOM

www.orthod.com

info@orthod.com

OrthoD provides a wide range of orthopaedic products across the globe from sports medicine to cementation and infection prevention.

OrthoSpace

BOOTH #206

7 Halamish St.
Caesarea 3088900
ISRAEL

www.orthospace.co.il

info@orthospace.co.il

OrthoSpace develops and commercializes biodegradable balloon systems for the Orthopedic market. InSpace™ is a minimally invasive method, addressing unmet clinical needs in rotator cuff injury.

Össur Asia

BOOTH #216

2F, W16 B
No. 1801 Hongmei Rd.
Shanghai 200233
CHINA

www.ossur.com

Pioneers of advanced technology, our mission is to improve people's mobility. As a global leader in non-invasive orthopaedics, we have nurtured an innovative mind-set, continuously pushing the boundaries to create the best products and services in the fields of Prosthetic, Osteoarthritis and Injury Solutions.

Parcus Medical, LLC

BOOTH #207

6423 Parkland Dr.
Sarasota, FL 34243
UNITED STATES

www.parcusmedical.com

customerservice@parcusmedical.com

Parcus Medical™ manufactures and distributes implants and instrumentation for soft tissue repair and ligament/tendon fixation. At Parcus™, surgical innovation is customer-driven.

Regen Lab

BOOTH #501

En Budron B2
Le mont sur Lausanne 1052
SWITZERLAND

www.regenlab.com

info@regenlab.com

Global leader in autologous regenerative medicine with freshly prepared platelet concentrate, alone or in combination with hyaluronic acid or fresh autologous cells from fat or bone marrow.

SAGE Publishing

BOOTH #317

2455 Teller Rd.
Thousand Oaks, CA 91320
UNITED STATES

www.sagepublishing.com

info@sagepub.com

Founded in 1965, SAGE Publishing is an independent company that disseminates journals, books, and library products for the educational, scholarly, and professional markets.

Sanofi Biosurgery

BOOTH #409

19F, Tower III, Kerry Center
1228 Middle Yan'an Rd.
Jing An District
Shanghai 200040
CHINA

www.sanofi.com

allen.fan@sanofi.com

Sanofi, a global healthcare leader, discovers, develops and distributes therapeutic solutions focused on patients' needs.

Sawbones / Pacific Research Laboratories

BOOTH #504

10221 SW 188th St.
P.O. Box 409
Vashon, WA 98070
UNITED STATES
www.sawbones.com

Sawbones inspires confidence through practice by creating the world's best medical procedure simulation models. From Orthopaedics to Veterinary, from Biomechanical testing devices to Digital Anatomy models, Sawbones has lead the industry since its inception over 40 years ago.

Shanghai Bojin Electric Instrument & Device Co., Ltd.

BOOTH #210

Room 606, Gonghe Xin Rd. 3388
Shanghai, CHINA
www.bojin-medical.com
bojin6821@bojin-medical.com

Smith & Nephew, Inc.

BOOTH #301

150 Minuteman Rd.
Andover, MA 1810
UNITED STATES
www.smith-nephew.com
info@smith-nephew.com

Smith & Nephew is a global medical technology business dedicated to helping healthcare professionals improve people's lives. With leadership positions in Orthopaedic Reconstruction, Advanced Wound Management, Sports Medicine and Trauma.



Stryker

BOOTH #110

Worldwide Headquarters
2825 Airview Blvd.
Kalamazoo, MI 49002
UNITED STATES
www.stryker.com

Stryker is one of the world's leading medical technology companies and, together with our customers, we are driven to make healthcare better. The Company offers a diverse array of innovative products and services in Orthopedics. Stryker is active in over 100 countries around the world.

The Journal of Bone and Joint Surgery

BOOTH #208

20 Pickering St.
Needham, MA 2492
UNITED STATES
www.jbjs.org
info@jbjs.org

The Journal of Bone & Joint Surgery (JBJS) has been the most valued source of information for orthopaedic surgeons and researchers for over 125 years.

Thuasne (Shanghai) Medical Devices Co., Ltd.

BOOTH #122

83 Fumin Lu, Mayfair Tower
4th Floor, Office 812
Shanghai 200040
CHINA
www.thuasne.com
benoit.derinck@thuasne.cn

Thuasne offers a comprehensive portfolio of external braces designed to address the wide variety of post-operation, rehabilitation and sport protection issues faced by orthopedists.

TRX Orthopaedics Ltd.

BOOTH #306

Unit 1&2 Astley Way
Astley Ln. Industrial Estate
Swillington, Leeds. LS26 8XT
UNITED KINGDOM
www.tissueregenix.com
enquiries@tissueregenix.com

Our decellularisation ('dCELL®') technology removes DNA and other cellular material from Xenograft tissue creating an acellular scaffold for ACL reconstruction surgery, which can be stored at room temperature.

VirtaMed AG

BOOTH #104

Rütistrasse 12
Schlieren, Zürich 8952
SWITZERLAND
www.virtamed.com
suhner@virtamed.com

VirtaMed is a Swiss company that creates high-fidelity virtual reality simulators for instructional training of minimally invasive diagnostic and therapeutic interventions in various medical disciplines.

Zimmer Biomet

BOOTH #508

401 Commonwealth Dr.
#06-03 Haw Par Technocentre
Singapore, 149598
SINGAPORE
anupam.negi@zimmerbiomet.com

Zimmer Biomet designs, manufactures and markets effective, innovative solutions that support orthopaedic surgeons and clinicians in restoring mobility, alleviating pain and improving the quality of life for patients around the world.

PARTNER SOCIETY EXHIBITS

International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS)

BOOTH 3-F FOYER

2410 Camino Ramon, Suite 215
San Ramon, CA 94583
UNITED STATES
www.isakos.com
isakos@isakos.com

An international society of surgeons established to advance 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 #404

9400 West Higgins Rd.
Suite 300
Rosemont, IL 60018-4975
UNITED STATES
www.aossm.org
aossm@aossm.org

AOSSM is a world leader in sports medicine education, research, communication, and fellowship, working closely with sports medicine specialists to improve the prevention and treatment of sports injuries.

Arthroscopy Association of North America (AANA)

BOOTH #102

9400 West Higgins Rd.
Suite 200
Rosemont, IL 60018
UNITED STATES
www.aana.org
info@aana.org

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.

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

BOOTH #407

Rm. 74029, 5/F, Clinical Sciences Building
Prince of Wales Hospital
Shatin, N.T., Hong Kong SAR
HONG KONG
www.apkass.org
info@apkass.org

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 #202

Centre Médical – Fondation Norbert Metz
76, rue d'Eich
Luxembourg 1460
LUXEMBOURG
www.esska.org
info@esska.org

The European Society of Sports Traumatology, Knee Surgery and Arthroscopy (ESSKA) is a professional society that represents Europe in the fields of degenerative joint disease and sports medicine. www.esska.org

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

BOOTH #108

La Sociedad Latinoamericana de Artroscopía,
Rodilla y Deporte
Pacheco de Melo 2067 – P.B. 'A'
Buenos Aires 1126
ARGENTINA
www.slard.org

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.

Welcome to Shanghai!

The enormous metropolis of Shanghai is a city of changes. Melding old with new, Shanghai is the most populous city in China, with more than 23 million residents. Shanghai is a wonderful host city for ISAKOS, as more than 9 million of the 23 million residents of the city are from outside of China!

Particular points of cultural interest include Yuyuan Gardens (豫园) (in Old City), which is full of classical Chinese architecture. For a taste of 1920s Shanghai, head for the stately old buildings of the The Bund or the French Concession – this area is becoming known for boutique shopping and fantastic restaurants! For art aficionados – the Shanghai Museum (上海博物馆) has an impressive Ancient Bronze exhibit, as well as other traditional art offerings. Zhujiajiao Water Town (朱家角镇) is known as the Venice of Asia. This more than 400-year-old classic, water village is home to a five-arch bridge spanning the Cao Gang River. The city is located about 40 minutes from downtown Shanghai, but is home to quaint shops and restaurants serving local favorites. Visitors can stroll the maze of paths and bridges, and take a boat ride to view the residences of this nicely-preserved water village.

Chinese shoppers account for more than 47% of the global luxury goods market around the world, so Shanghai is a wonderful city for shopping! Shanghai's premier shopping street is Nanjing Road (南京东路), or visitors can visit the Yuyuan Bazaar for Chinese crafts and jewelry, not far from The Bund. For those interested in boutique shopping, head to the French Concession Streets Xinle Lu (新乐路), Changle Lu (长乐路) and Anfu Lu (安福路), starting from east of Shaanxi Lu (陕西路). This section of the city features tree-lined streets with small boutiques of clothing and accessories, where young Shanghainese looking for the latest fashions shop.

History

The modern Shanghai didn't take shape until the 17th century when a complex web of canals was built to drain the region. After the first Opium War in 1842, change was rapid. The international settlement was established, autonomous and immune from Chinese law and is now one of Shanghai's major tourism attractions. The world's greatest houses of finance and commerce descended on Shanghai in the 1930s. The place had the tallest buildings in Asia and more motor vehicles on its streets than the rest of China put together. By the 1990s, the wheel had turned full circle. Invitations went out again to foreign capital to help reinvent this whirlwind metropolis – and met with success.



Location

Bordering Jiangsu and Zhejiang province on the west, Shanghai is washed by the East China Sea on the east and Hangzhou Bay on the south. North of city, the Yangtze River pours into the East China Sea. It also assumes the central location along China's eastern coastal line. Thanks to its advantageous geographic location, it has now become an excellent sea and river port, boasting easy accesses to a vast hinterland and the world.

Tours & Accommodations

Official ISAKOS Housing & Tour Bureau

MCI China – Shanghai Office

www.isakos2017congresstour.com

ovationchina@isakos2017congresstour.com

Please contact MCI Shanghai for questions regarding housing and tours. A Hotels & Tours desk is located in the Registration area on Level 1F of the Shanghai Convention & Exhibition Center.



AWARDS & FELLOWSHIPS

2017 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 7
Time: 10:15 – 10:40
Location: General Session – 301, Level 3F

John J. Joyce Award

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:

Tuesday, June 6 16:30-17:00 Room 2-1:
Concurrent 2

Richard B. Caspari Award

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:

Monday, June 5 13:30-14:00 Room 301: General
Session

Jan I. Gillquist Scientific Research Award

Sponsored by Össur

Jan Gillquist will be remembered as one of the greatest persons in the field of knee surgery and sports medicine. ISAKOS will remember Jan Gillquist with a Research Award, created with the intention to stimulate and reward abstracts and presentations in the subject of Scientific Research.

Join us for the Scientific Award finalists' paper presentations:

Sunday, June 4 15:30 – 16:00 Room 2-1:
Concurrent 2

Albert Trillat Young Investigator's Award

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 4 16:30 – 16:45 Room 2 – 4:
Concurrent 4

Anterior Cruciate Ligament Reconstruction With or Without a Lateral Extra-Articular Tenodesis – Early Functional Outcomes of the ISAKOS Sponsored Stability Study

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

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:

Sunday, June 4 14:30 – 14:45 Room 2-1:
Concurrent 2

The Lateral Meniscus Posterior Root and Meniscomfemoral Ligaments are Stabilizing Structures in the ACL Deficient Knee: A Biomechanical Study

Gilbert Moatshe, MD NORWAY

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:

Sunday, June 4 11:15 – 11:30 Room 2-4:
Concurrent 4

Comparison of Soft Tissue and Bone Graft Fixation for Reconstruction of the Medial Patellofemoral Ligament. A Randomized Controlled Trial

Martin Lind, Prof., MD, PhD DENMARK

Gary G. Poehling Award

Sponsored by an anonymous donor

Former ISAKOS President, Gary G. Poehling, is an innovator, teacher and leader in the field of Arthroscopy – specializing in the elbow, wrist and hand. Beginning at the 2017 ISAKOS Congress in Shanghai, China, a monetary prize in honor of Dr. Poehling is to be awarded to the best Elbow, Wrist and Hand paper read during the scientific program of the ISAKOS Congress.

Join us for the Gary G. Poehling Award finalists' paper presentations:

Monday, June 5 11:00 – 11:30 Room 2-4:
Concurrent 4

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.

Join us for the presentation of the Fellowship:

Sunday, June 4 11:30 – 11:40 Room 2-4:
Concurrent 4

Award Presentation: Patellofemoral Traveling Fellowship Presentation

Jacqueline Munch Brady, MD UNITED STATES

Nikolaos K. Paschos MD, PhD UNITED STATES

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.

2015-2016 Upper Extremity Traveling Fellows:

Peter Domos MD, FRCS (Tr&Orth) UNITED KINGDOM

Nataraj A.R., MS Ortho INDIA

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.

Join us as the fellows share their experience:

Monday, June 5 16:15 – 16:30 Room 2-1:
Concurrent 2

Hong Li, MD CHINA

Bujar Shabani, PhD ALBANIA

2017 11TH BIENNIAL
ISAKOS
CONGRESS
JUNE 4-8, 2017
SHANGHAI, CHINA

SUNDAY, JUNE 4, 2017

ROOM 301: GENERAL SESSION

14:30 – 15:00

SESSION: MENISCUS

PAPER #1

Meniscal Extrusion in Ultrasound as a New Diagnostic Tool for Evaluation of Medial Meniscus Function Drks: 00010963

Andrea Ellen Achtnich, MD, Munich, GERMANY

Theresa Diermeier, Munich, GERMANY

Lukas Willinger, MD, Munich, GERMANY

Klaus Wörtler, MD, Prof., Munich, GERMANY

Michael Rasper, MD, Munich, GERMANY

Andreas Sauter, MD, Munich, GERMANY

Andreas B. Imhoff, MD, Prof., Munich, GERMANY

Wolf Petersen, MD, Prof., Berlin, GERMANY

Klinikum rechts der Isar, Technical University Munich,
Department of Orthopaedic Sports Medicine
Munich, GERMANY

PAPER #2

Partial Meniscectomy Provides No Benefit for Symptomatic Degenerative Medial Meniscus Posterior Root Tears

Aaron J. Krych, MD

Rochester, MN, UNITED STATES

Nick R. Johnson, BS, Rochester, MN, UNITED STATES

Rohith Mohan, BA, Rochester, MN, UNITED STATES

Diane Lynn Dahm, MD

Rochester, MN, UNITED STATES

Bruce A. Levy, MD, Rochester, MN, UNITED STATES

Michael Jerome Stuart, MD

Rochester, MN, UNITED STATES

Mayo Clinic

Rochester, Minnesota, UNITED STATES

PAPER #3

Diagnostic Accuracy of MRI Detection of Ramp Lesions of the Knee

Jeremy M. Burnham, MD

Pittsburgh, PA, UNITED STATES

Justin W. Arner, MD, Pittsburgh, PA, UNITED STATES

Elmar Herbst, MD, München, Bavaria, GERMANY

Amir Ata Rahnemai-Azar, MD

Pittsburgh, PA, UNITED STATES

Ashish Soni, MD, FRCS

Farnborough, UNITED KINGDOM

Jan-Hendrik Naendrup, BS, Sprockhövel, GERMANY

Adam Popchak, DPT, PhD

Pittsburgh, PA, UNITED STATES

Freddie H. Fu, MD, Pittsburgh, PA, UNITED STATES

Volker Musahl, MD, Pittsburgh, PA, UNITED STATES

University of Pittsburgh Medical Center

Pittsburgh, Pennsylvania, UNITED STATES

PAPER #4

Meniscal Suture: Is Debridement Necessary?

Nicolae Hazaparu, MD, Illkirch, FRANCE

Jean-Yves Jenny, Prof., Illkirch, FRANCE

Jérémy Besse, MD, Strasbourg, FRANCE

University Hospital Strasbourg

Strasbourg, FRANCE

PAPER #5

Treatment of Painful Irreparable Partial Meniscal Defects with a Polyurethane Scaffold: Mid-term Clinical Outcome and Survival Analysis

Aad Alfons Dhollander, MD, PT, PhD

Brasschaat, BELGIUM

Peter Verdonk, MD, PhD, Zwijnaarde, BELGIUM

René E. Verdonk, MD, PhD, Gent, BELGIUM

Ghent University Hospital

Ghent, Oevel, BELGIUM

ROOM 2 – 1: CONCURRENT 2

09:45 – 10:15

SESSION: HIP

PAPER #6

Preoperative Predictors of Severe Cartilage Damage on Femoral Head and Acetabulum During Hip Arthroscopic Surgery – An Analysis of 2,544 Cases

Hajime Utsunomiya, MD, PhD

Vail, CO, UNITED STATES

Renato Locks, PR, BRAZIL

Jorge Chahla, MD, Vail, CO, UNITED STATES

Grant Dornan, MSc, Vail, CO, UNITED STATES

Karen K. Briggs, MPH, Vail, CO, UNITED STATES

Marc J. Philippon, MD, Vail, CO, UNITED STATES

Steadman Philippon Research Institute

Vail, Colorado, UNITED STATES

PAPER #7

Differences and Similarities Between Hip and Knee Indications for the Arthroscopic Management of Chondral Defects

Aman Sharma, MS, WS, NC, UNITED STATES

Alejandro Marquez-Lara, MD, WS, NC, UNITED STATES

Tianyi David Luo, MD, WS, NC, UNITED STATES

Sandeep Mannava, MD, PhD, WS, NC, UNITED STATES

Austin Stone, MD, PhD, WS, NC, UNITED STATES

Elizabeth A. Howse, MD

Long Island City, NY, UNITED STATES

Allston J. Stubbs, MD, WS, NC, UNITED STATES

Wake Forest University School of Medicine

Winston-Salem, North Carolina, UNITED STATES

PAPER #8

A Prospective Study on the Use of Hip Arthroscopy Distraction without a Perineal Post

Omer Mei-Dan, MD, Boulder, CO, UNITED STATES

Matthew J. Kraeutler, MD, Boulder, CO, UNITED STATES

Jesse A. Goodrich, BA, Boulder, CO, UNITED STATES

Tigran Garabekyan, MD

Huntington, WV, UNITED STATES

University of Colorado School of Medicine

Boulder, Colorado, UNITED STATES

PAPER #9

Femoral Neck Fracture after Arthroscopic Femoroplasty: A Systematic Review of Literature

Alexander Zimmerer, MD, Pforzheim, GERMANY

Christian Sobau, MD, Pforzheim, GERMANY

Wolfgang Miehke, MD, Pforzheim, GERMANY

ARCUS Sportklinik

Pforzheim, GERMANY

PAPER #10

Acetabular Cartilage Delamination in Femoroacetabular Impingement: The Underdiagnosis on MRA, Risk Factors and Radiologic Predictors

George A. Konstantinidis, MD, PhD

Halifax, NS, CANADA

Ivan Wong, MD, Halifax, NS, CANADA

Michael Mitchell, MD, Halifax, NS, CANADA

Gordon Boyd, MD, Halifax, NS, CANADA

Nova Scotia Health Authority

Halifax, Nova Scotia, CANADA

ROOM 2 – 1: CONCURRENT 2

10:45 – 11:15

SESSION: HIP

PAPER #11

Association Between Labral Ossification and Sacroiliac Joint Disease: A Link to an Autoimmune Etiology

J.W. Thomas Byrd, MD

Nashville, TN, UNITED STATES

Tania Ferguson, Sacramento, CA, UNITED STATES

Kay S. Jones, MSN, RN, Nashville, TN, UNITED STATES

Carl R. Freeman, MD, Jacksonville, FL, United States

Nashville Sports Medicine

Nashville, Tennessee, UNITED STATES

PAPER #12

CAM Morphology and Limited Hip Range of Motion is Associated with Early Osteoarthritic Changes in Adolescent Athletes: A Prospective Matched Cohort Study

Cody C. Wyles, MD

Rochester, MN, UNITED STATES

Benjamin Matthew Howe, MD

Rochester, MN, UNITED STATES

German Norambuena, MD, Santiago, CHILE

Brandon Yuan, MD, Rochester, MN, UNITED STATES

Bruce A. Levy, MD, Rochester, MN, UNITED STATES

Robert T. Trousdale, MD

Rochester, MN, UNITED STATES

Rafael J. Sierra, MD, Rochester, MN, UNITED STATES

Mayo Clinic

Rochester, Minnesota, UNITED STATES

PAPER #13

Does Prevalence of Small Size Acetabular Bone Marrow Edema or Cystic Lesion on Three Tesla MRI Correlate with Poor Clinical Outcomes after Hip Arthroscopy? An Analysis of Two-to-Six-Year Follow-Up

Hajime Utsunomiya, MD, PhD

Vail, CO, UNITED STATES

Jorge Chahla, MD, Vail, CO, UNITED STATES

Renato Locks, PR, BRAZIL

Karen K. Briggs, MPH, Vail, CO, UNITED STATES

Charles P. Ho, MD, PhD, Vail, CO, UNITED STATES

Marc J. Philippon, MD, Vail, CO, UNITED STATES

Steadman Philippon Research Institute

Vail, Colorado, UNITED STATES

PAPER #14

“The Cliff Sign” – A New Radiographic Sign of Hip Instability

Marc R. Safran, MD

Redwood City, CA, UNITED STATES

Jonathan Packer, Redwood City, CA, UNITED STATES

Kota Shibata, Redwood City, CA, UNITED STATES

Geoffrey Riley, MD, Redwood City, CA, UNITED STATES

Stanford University

Redwood City, California, UNITED STATES

PAPER #15

The False Profile Radiographic View can be Used to Accurately Measure Pelvic Incidence

Ryan Li, MD, Cleveland, OH, UNITED STATES

Mithun Neral, MD, Cleveland, OH, UNITED STATES

James E. Voos, MD, Cleveland, OH, UNITED STATES

Michael J. Salata, MD, Cleveland, OH, UNITED STATES

Raymond W. Liu, MD, Cleveland, OH, UNITED STATES

University Hospitals Case Medical Center

Cleveland, Ohio, UNITED STATES

SUNDAY, JUNE 4, 2017 (cont.)

ROOM 2 – 1: CONCURRENT 2

14:45 – 15:00

SESSION: TENDON

PAPER #16

Predictors and Functional Recovery of Hamstring Tendon Regeneration: A Prospective Observational Follow-Up Study

Mathijs A.M. Suikerbuijk, BSc
Rotterdam, NETHERLANDS

Max Reijman, MD, Rotterdam, NETHERLANDS
Edwin Oei, MD, PhD, Rotterdam, NETHERLANDS

Belle Lore Van Meer, MD, PhD
Rotterdam, NETHERLANDS

Ewoud Ra Van Arkel, MD, PhD
Den Haag, NETHERLANDS

Duncan E. Meuffels, MD, PhD
Rotterdam, NETHERLANDS

Erasmus Medical Center
Rotterdam, NETHERLANDS

PAPER #17

Analysis of 1723 Proximal Long Head of the Biceps Tendon Procedures

Christopher Laurence Mccrum, MD
Pittsburgh, PA, UNITED STATES

Ram Kirin Alluri, MD, Los Angeles, CA, UNITED STATES

Michael Batech, DrPH, Pasadena, CA, UNITED STATES

Daniel Acevedo, MD, Calabasas, CA, UNITED STATES

Raffy Mirzayan, MD, Baldwin Park, CA, UNITED STATES

Kaiser Permanente
Baldwin Park, California, UNITED STATES

ROOM 2 – 1: CONCURRENT 2

15:30 – 16:00

SESSION: JAN GILLQUIST SCIENTIFIC
AWARD – FINALIST PRESENTATIONS

PAPER #19

Anterior Cruciate Ligament Reconstruction Affects Tibiofemoral Subchondral Bone Congruency during Dynamic Functional Movement

Kanto Nagai, MD, PhD
Pittsburgh, PA, UNITED STATES

Tom Gale, MS, Pittsburgh, PA, UNITED STATES

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

Pittsburgh, PA, UNITED STATES

Scott Tashman, PhD, Pittsburgh, PA, UNITED STATES

Freddie H. Fu, MD, Pittsburgh, PA, UNITED STATES

William Anderst, PhD, Pittsburgh, PA, UNITED STATES

University of Pittsburgh
Pittsburgh, Pennsylvania, UNITED STATES

PAPER #20

Anatomy of the Anterolateral Complex of the Knee

Elmar Herbst, MD, München, GERMANY

Márcio Bottene Villa Albers, MD

Pittsburgh, PA, UNITED STATES

Jason Shin, MD, Pittsburgh, PA, UNITED STATES

Humza Shaikh, BA, Pittsburgh, PA, UNITED STATES

Jan-Hendrik Naendrup, BS, Sprockhövel, GERMANY

Volker Musahl, MD, Pittsburgh, PA, UNITED STATES

Freddie H. Fu, MD, Pittsburgh, PA, UNITED STATES

Department of Orthopaedic Surgery,
University of Pittsburgh
Pittsburgh, Pennsylvania, UNITED STATES

PAPER #21

Aggravated Rotational Laxity Due to the Concomitant Meniscus Tear in the Anterior Cruciate Ligament-Injured Knees Detected by the Quantitative Measurement of the Pivot-Shift Test

Yuichi Hoshino, MD, PhD, Kobe, JAPAN

Nobuaki Miyaji, MD, Kobe, JAPAN

Kazuyuki Ibaraki, MD, Kobe, Hyogo, JAPAN

Toshikazu Tanaka, MD, Kobe, JAPAN

Kyohei Nishida, MD, Kobe, Hyogo, JAPAN

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

Noriyuki Kanzaki, MD, PhD, Kobe, Hyogo, JAPAN

Takehiko Matsushita, MD, Kobe, Hyogo, JAPAN

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

Kobe University Hospital

Kobe, Hyogo, JAPAN

PAPER #22

This Study Compares the Outcomes of Isolated ACL Reconstruction Using Patellar Tendon Autograft (PT) and Hamstring Autograft (HT) in 180 Patients Over 20 Years

Simon M. Thompson, MBBS, BSc(Hon), MSc MD(Res), FRCS(Tr & Orth) London, UNITED KINGDOM

Lucy J. Salmon, PhD, 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, MBBS, FRACS, FAOA

Sydney, NSW, AUSTRALIA

NSOSMC

Sydney, New South Wales, AUSTRALIA

PAPER #23

The Role of Calcaneofibular Ligament (CFL) Injury in Ankle Instability: Implications for Surgical Management

Kenneth J. Hunt, MD, Aurora, CO, UNITED STATES

Pieter D'Hooghe, MD, Doha, QATAR

Judas Zed Kelley, BA, Lakewood, CO, UNITED STATES

Nicholas Anderson, BS

Broomfield, CO, UNITED STATES

Richard Fuld, BA, Denver, CO, UNITED STATES

Todd H. Baldini, MS, Denver, CO, UNITED STATES

Hélder Miguel Duarte Pereira, MD

Vila Do Conde, PORTUGAL

University of Colorado School of Medicine

Aurora, Colorado, UNITED STATES

ROOM 2-1: CONCURRENT 2

16:45 – 17:05

SESSION: GONG SHOW – INJECTABLES & PRP

PAPER #24

The Chondrotoxicity of Injectable Anti-Inflammatory and Narcotic Medications

Geoffrey D. Abrams, MD

Stanford, CA, UNITED STATES

Jason L. Drago, MD

Redwood City, CA, UNITED STATES

Wenteh Chang, PhD

Redwood City, CA, UNITED STATES

Stanford University

Redwood City, California, UNITED STATES

PAPER #25

Whole Blood Fibrin Clot Preserves the Viability and Bioactivity of Human Muscle-Derived Stem Cells

Christopher Harner, MD

Houston, TX, UNITED STATES

Paul G. Shupe, MD, Houston, TX, UNITED STATES

Ryan J. Warth, MD, Houston, TX, UNITED STATES

Xueqin Gao, MD, PhD, Houston, TX, UNITED STATES

Xuying Sun, PhD, Houston, TX, UNITED STATES

Sarah Amra, BS, Houston, TX, UNITED STATES

Johnny Huard, PhD, Houston, TX, UNITED STATES

Walter Richard Lowe, MD, Houston, TX, UNITED STATES

University of Texas Health Science Center at Houston

Houston, Texas, UNITED STATES

PAPER #26

PRP with Different Concentrations has Different Capacity for Proliferation and Differentiation of Bone Marrow-Derived Mesenchymal Stem Cells: Comparison and Optimization of the Concentrations

Ketao Wang, MD, Beijing, CHINA

The General Hospital of the People's Liberation Army

Haidian, Beijing, CHINA

PAPER #27

Males and Females Differ in Biochemical Composition of Platelet-Rich Plasma

Grace Xiong, BA, Stanford, CA, UNITED STATES

Nithya Lingampalli, BA, Stanford, CA, UNITED STATES

William H. Robinson, MD, PhD

Palo Alto, CA, UNITED STATES

Constance R. Chu, MD

Redwood City, CA, UNITED STATES

Stanford University

Stanford, California, UNITED STATES

SUNDAY, JUNE 4, 2017 (cont.)

ROOM 2 – 1: CONCURRENT 2

16:45 – 17:05

SESSION: GONG SHOW - INJECTABLES & PRP
(CONT.)

PAPER #28

Minimum Reporting Requirements for Clinical Studies Evaluating Platelet Rich Plasma in Orthopaedics: A Modified Consensus Delphi Study

Iain R. Murray, MRCS, DipSportsMed, PhD
Edinburgh, UNITED KINGDOM

Andrew Geeslin, MD, Vail, CO, UNITED STATES

Ewan B. Goudie, MD, Edinburgh, UNITED KINGDOM

Frank Anthony Petrigliano, MD

Los Angeles, CA, UNITED STATES

Robert F. LaPrade, MD, PhD, Vail, CO, UNITED STATES

Steadman Philippon Research Institute

Vail, Colorado, UNITED STATES

ROOM 2 – 1: CONCURRENT 2

17:05 – 17:30

SESSION: GONG SHOW -
ARTICULAR CARTILAGE

PAPER #29

A Comparative In Vitro Study on the Effects of Various Concentrations of Low and High Molecular Weight Hyaluronic Acid on Human Chondrocyte Cell Metabolism

George Jacob, MBBS, Cochin, INDIA

Vikram Shetty, MBBS, D'ortho DNB, Mangalore, INDIA

Siddharth M. Shetty, Mangalore, INDIA

Jacob Varughese, MD, Kochi, Kerala, INDIA

Rajesh Singh, BS Biology, MS Microbiology, Pune, INDIA

Swetha S. Malgatti, MSc, Biotechnology, Pune, INDIA

Vinayak Kedage, MSc, PHD, Cytogenetics / Genetics / Cl
Pune, INDIA

KS Hegde Academy of Medical Sciences

Mangalore, Karnataka, INDIA

PAPER #30

Arthroscopic Treatment of Patellar and Trochlear Cartilage Lesions with Matrix Encapsulated Chondrocyte Implantation vs. Microfracture: Quantitative Assessment with T2-Mapping – MRI at Four Years Follow-Up

Anell Olivos Meza, PhD, Mexico City, MEXICO

Reynaldo Arredondo, MD, Mexico City, MEXICO

Socorro Cortes, MD, Mexico City, MEXICO

Francisco Perez Jimenez, MD, Mexico City, MEXICO

Arturo Almazan, Mexico City, MEXICO

Enrique Villalobos, MD, Mexico City, MEXICO

Monica Saldaña, MD, Mexico City, MEXICO

Clemente Ibarra, MD, Mexico City, MEXICO

Instituto Nacional de Rehabilitacion
Mexico City, MEXICO

PAPER #31

Subchondral Bone Remodelling after Nanofractures: A One Year In-Vivo Ovine Study

Andrea Fabio Manunta, Prof., Sassari, ITALY

Francesco Mattia Uboldi, MD, Como, ITALY

Orthopaedic Department, AOU Sassari
Sassari, ITALY

PAPER #32

Osteochondral Allograft Transplantation of the Knee: Analysis of Failures at Five Years

Rachel M. Frank, MD, Chicago, IL, UNITED STATES

Simon Lee, MPH, Chicago, IL, UNITED STATES

David Levy, MD, Chicago, IL, UNITED STATES

Sara Poland, MD, Chicago, IL, UNITED STATES

Maggie Scalise, MD, Chicago, IL, UNITED STATES

Gregory L. Cvetanovich, MD

Chicago, IL, UNITED STATES

Brian J. Cole, MD, MBA, Chicago, IL, UNITED STATES

Rush University Medical Center
Chicago, Illinois, UNITED STATES

PAPER #33

T2-Mapping Evaluation of Arthroscopic Chondrocyte Implantation vs. Microfracture Technique for the Treatment of Cartilage Lesions in the Knee at Five Years Follow-Up

Anell Olivos Meza, PhD, Mexico City, MEXICO

Reynaldo Arredondo, MD, Mexico City, MEXICO

Socorro Cortes, MD, Mexico City, MEXICO

Monica Saldaña, MD, Mexico City, MEXICO

Francisco Perez Jimenez, MD, Mexico City, MEXICO

Arturo Almazan, Mexico City, MEXICO

Enrique Villalobos, MD, Mexico City, MEXICO

Cristina Velasquillo, MD, Mexico City, MEXICO

Clemente Ibarra, MD, Mexico City, MEXICO

Instituto Nacional de Rehabilitacion
Mexico City, MEXICO

PAPER #34

Minimum Reporting Requirements for Clinical Studies Evaluating Mesenchymal Stem Cells (MSCs) in Orthopaedics: A Modified Delphi Consensus Study

Iain R. Murray, MRCS, DipSportsMed, PhD
Edinburgh, UNITED KINGDOM

Andrew Geeslin, MD, Vail, CO, UNITED STATES
 Ewan B. Goudie, MD, Edinburgh, UNITED KINGDOM
 Frank Anthony Petrigliano, MD
 Los Angeles, CA, UNITED STATES
 Robert F. LaPrade, MD, PhD, Vail, CO, UNITED STATES

Steadman Philippon Research Institute
 Vail, Colorado, UNITED STATES

ROOM 2-3: CONCURRENT 3

10:00 – 10:30

SESSION: ROTATOR CUFF

PAPER #35

What Do Patients Expect of Rotator Cuff Repair and Does it Matter

Mohamed A. Imam, MD, MSc, PhD, FRCS (ORTH)
Ismailia, EGYPT

Vijay Ramasamy, FRCS Orth, London, UNITED KINGDOM
 Rupen Dattani, Cambridge, UNITED KINGDOM
 Mohamed Elsherbini, MSc, London, UNITED KINGDOM
 Vipul Patel, FRCS Orth, London, UNITED KINGDOM

South West London Elective Orthopaedic Centre
 London, UNITED KINGDOM

PAPER #36

Tear Progression of Symptomatic Full-Thickness and Partial-Thickness Rotator Cuff Tears as Measured by Repeated MRI

Dong-Jin Kim, MD, Seoul, REPUBLIC OF KOREA

Hyo-Jin Lee, MD, Prof., Seoul, REPUBLIC OF KOREA
 In Park, MD, Seoul, REPUBLIC OF KOREA
 Hong-Ki Jin, MD, Busan, REPUBLIC OF KOREA
 Dong-Hyuk Sun, MD, Seoul, REPUBLIC OF KOREA
 Jin Hong Kim, MD, Seoul, REPUBLIC OF KOREA
 Sung-Ryeoll Park, MD, Seoul, REPUBLIC OF KOREA
 Yang-Soo Kim, MD, PhD, Prof.

Seoul, REPUBLIC OF KOREA
 Jong-Ho Kim, MD, Seoul, REPUBLIC OF KOREA

Seoul St. Mary's Hospital, The Catholic University of Korea
 Seoul, REPUBLIC OF KOREA

PAPER #37

Are We Doing Too Many Margin Convergence? A Prospective MRI Study on Re-Tear Rate after Arthroscopic Rotator Cuff Repair

W.P. Yau, MBBS, FRCS, FHKCOS, FHKAM
Hong Kong, HONG KONG

The University of Hong Kong
 Hong Kong, HONG KONG

PAPER #38

The Critical Shoulder Angle is Associated with Osteoarthritis in the Shoulder but Not Rotator Cuff Tears. A Retrospective Case Control Study

Kristoffer Weisskirchner Barfod, MD, PhD
Copenhagen, DENMARK

Arnar Oskar Bjarnison, MD, Copenhagen, DENMARK
 Thomas Kallemose, MSc, Copenhagen, DENMARK
 Thomas Juul Sørensen, MD, Holte, DENMARK

Zealand University Hospital
 Koge, DENMARK

PAPER #39

Efficacy of Suprascapular Nerve Block Compared with Subacromial Injection: A Randomized Controlled Trial in Patients with Rotator Cuff Tears

Ashish Gupta, MBBS, MSC, FRACS
Brisbane, AUSTRALIA

Matthew Peter Wilkinson, MBBS FRACS
 Townsville, QLD, AUSTRALIA
 Joseph Coory, MBBS, Townsville, QLD, AUSTRALIA
 Adam Parr, MBBS, Townsville, QLD, AUSTRALIA

Townsville General Hospital
 Townsville, Queensland, AUSTRALIA

ROOM 2-3: CONCURRENT 3

10:30 – 11:00

SESSION: ROTATOR CUFF – BIOLOGICS

PAPER #40

Bone Marrow Aspirate Concentration Enhance Tendon to Bone Healing on Chronic Rotator Cuff Tear in a Rabbit Model

Xiao Ning Liu, PhD, Changchun, CHINA

Cheol Jung Yang, MD, Seoul, REPUBLIC OF KOREA
 Wei Zhang, PhD, Changchun, Jilin, CHINA
 Kyu-Cheol Noh, Prof., Seoul, REPUBLIC OF KOREA

Hallym University Medical Center,
 Kangnam Sacred Heart Hospital
 Seoul, REPUBLIC OF KOREA

PAPER #41

Plasma Rich Plasma in Arthroscopic Rotator Cuff Repair: A Randomized, Double-Blind, Controlled Clinical Trial with Histologic Analysis

Fernando Enrique Barclay, MD
Buenos Aires, ARGENTINA

Francisco S. Arcuri, MD, Buenos Aires, ARGENTINA
 Andrea L. Paparatto, MD, Buenos Aires, ARGENTINA

Clinica Bessone
 San Miguel, Buenos Aires, ARGENTINA

SUNDAY, JUNE 4, 2017 (cont.)

ROOM 2-3: CONCURRENT 3

10:30 – 11:00

SESSION: ROTATOR CUFF – BIOLOGICS (CONT.)

PAPER #42

Do Postoperative Platelet-Rich Plasma Injections Accelerate Early Tendon Healing and Functional Recovery After Arthroscopic Supraspinatus Repair? A Randomized Controlled Trial

Allan Wang, FRACS PhD FA OrthA
Perth, AUSTRALIA

Phillip Mccann, FRCS (Tr & Orth)

Bristol, UNITED KINGDOM

Jessica Colliver, MSc, Perth, AUSTRALIA

Bill Breidahl, Perth, WA, AUSTRALIA

Timothy Ackland, PhD, FASMF, Perth, WA, AUSTRALIA

St. John of God Hospital

Perth, Western Australia, AUSTRALIA

PAPER #43

Gelatin-Grafted Electrospun Fibrous Membranes for Rotator Cuff Repair

Song Zhao, MD, Shanghai, CHINA

Guoming Xie, PhD, Shanghai, CHINA

Xiaoqiao Huangfu, PhD, Shanghai, CHINA

Xiaoqiao Huangfu, MD, Shanghai, CHINA

Jinzhong Zhao, MD, Shanghai, CHINA

Department of Sports Medicine, Shanghai Jiao Tong

University Affiliated Sixth People's Hospital

Shanghai, CHINA

PAPER #44

Mesenchymal Stem Cell Secretome: A Potential Tool for the Prevention of Muscle Degenerative Changes Associated with Chronic Rotator Cuff Tears

Nuno Seivas, MD, Póvoa De Varzim, PORTUGAL

Fábio Teixeira, PhD, Braga, PORTUGAL

Raquel Portugal, MD, Póvoa De Varzim, PORTUGAL

Luis Araújo, MD, Braga, PORTUGAL

Luís Filipe Carriço, MD, Braga, PORTUGAL

Nuno Jose Ferreira, MD, Braga, PORTUGAL

Manuel Vieira Da Silva, Braga, PORTUGAL

João Duarte Espregueira-Mendes, MD, PhD

Porto, PORTUGAL

Sandra Anjo, PhD, Coimbra, PORTUGAL

Bruno Manadas, PhD, Coimbra, PORTUGAL

Nuno Sousa, PhD, Braga, PORTUGAL

António Salgado, PhD, Braga, PORTUGAL

University of Minho – School of Health Sciences Life and

Health Sciences Research Institute (ICVS)

Braga, PORTUGAL

ROOM 2-3: CONCURRENT 3

14:30 – 15:00

SESSION: SHOULDER

PAPER #45

Comparative Study Between Remnant Preserving vs. Remnant Sacrificing Rotator Cuff Repair

Jong-Hun Ji, Prof., Daejeon, REPUBLIC OF KOREA

Kwang-Sup Kim, MD, Daejeon, REPUBLIC OF KOREA

Daejeon St. Mary's Hospital, Catholic University of Korea

Daejeon, REPUBLIC OF KOREA

PAPER #46

Magnetic Resonance Imaging Findings in Asymptomatic Elite Volleyball Players

Christopher S. Lee, MD, MBA

Burbank, CA, UNITED STATES

William Boris Stetson, MD

Burbank, CA, UNITED STATES

Nicole Hamilton Goldhaber, MA, BA

Burbank, CA, UNITED STATES

Shane Michael Davis, BA, Burbank, CA, UNITED STATES

Aaron Brock, ATC, Anaheim, CA, UNITED STATES

Jill Wosmek, ATC, Anaheim, CA, UNITED STATES

Stetson Powell Orthopaedics and Sports Medicine

Burbank, California, UNITED STATES

PAPER #47

The Management of the Long Head of the Biceps in Rotator Cuff Repair: Prospective Cohort Study of High vs. Subpectoral Tenodesis

Edoardo Franceschetti, MD, Rome, ITALY

Alessio Palumbo, MD, Rome, ITALY

Michele Paciotti, MS, Roma, ITALY

Luca La Verde, MD, Roma, ITALY

Michele Attilio Rosa, Messina, Sicily, ITALY

Rocco Papalia, MD, PhD, Prof., Rome, ITALY

Nicola Maffulli, MD, PhD, MS, FRCS(Orth)

London, UNITED KINGDOM

Francesco Franceschi, MD, PhD, Rome, ITALY

Campus Bio Medico

Roma, ITALY

PAPER #48

Which Classification of Proximal Humerus Fractures Leads to Postoperative Avascular Necrosis of the Humeral Head?

Takeshi Kawakami, MD, PhD

Takatsuki, Osaka, JAPAN

Teruhisa Mihata, MD, PhD, Takatsuki, Osaka, JAPAN

Akihiko Hasegawa, MD, PhD, Takatsuki, Osaka, JAPAN

Towaki Hospital

Takatsuki, Osaka, JAPAN

PAPER #49

Coracoclavicular Stabilization Using a Suture Button Device for Neer Type IIB Lateral Clavicle Fractures

Chul-Hyun Cho, MD, PhD

Daegu, REPUBLIC OF KOREA

Ki-Cheor Bae, MD, Daegu, REPUBLIC OF KOREA

Du Han Kim, MD, Daegu, REPUBLIC OF KOREA

Keimyung University Dongsan Medical Center

Daegu, REPUBLIC OF KOREA

ROOM 2-3: CONCURRENT 3

15:30 – 16:00

SESSION: SHOULDER INSTABILITY

PAPER #50

How Satisfied are Patients with Arthroscopic Bankart Repair? A Two-Year Follow-Up on Quality-of-Life Outcome

Tim Saier, MD, Murnau, GERMANY

Johannes E. Plath, MD, Munich, Deutschland, GERMANY

Sabrina Waibel, Cand. Med., Munich, GERMANY

Matthias Feucht, MD, Munich, GERMANY

Philipp Minzlaff, MD, Munich, Bayern, GERMANY

Andreas B. Imhoff, MD, Prof., Munich, GERMANY

Sepp Braun, MD, Munich, GERMANY

Department for Orthopaedic Sports Medicine,

Klinikum rechts der Isar, TU München

Munich, GERMANY

PAPER #51

A Prospective Analysis of Patients with Anterior vs. Posterior Shoulder Instability: A Matched Cohort Examination and Surgical Outcomes Analysis of 198 Patients

Matthew T. Provencher, MD

Vail, CO, UNITED STATES

George Sanchez, Vail, CO, UNITED STATES

Rachel M. Frank, MD, Chicago, IL, UNITED STATES

Petar Golijanin, Research Coordinator

Boston, MA, UNITED STATES

Daniel Gross, MD, Boston, MA, UNITED STATES

Christopher B. Dewing, San Diego, CA, UNITED STATES

Daniel J. Solomon, MD, Novato, CA, UNITED STATES

Naval Medical Center San Diego

San Diego, California, UNITED STATES

PAPER #52

Arthroscopic Surgery for Posterior Shoulder Instability in Throwing Athletes

Kazuhiko Kikugawa, MD, PhD, Hiroshima, JAPAN

Nobuyoshi Okuhira, MD, PhD, Hiroshima, JAPAN

Mazda Hospital

Hiroshima, JAPAN

PAPER #53

Lower Shoulder Abduction During Throwing Motion May Cause Forceful Internal Impingement and Decreased Anterior Stability

Masaki Akeda, MD

Long Beach, CA, UNITED STATES

Teruhisa Mihata, MD, PhD, Takatsuki, Osaka, JAPAN

Woong Kyo Jeong, MD, Seoul, REPUBLIC OF KOREA

Michelle H. McGarry, MS

Long Beach, CA, UNITED STATES

Tetsuya Yamazaki, MD, Yokohama, Kanagawa, JAPAN

Thay Q. Lee, PhD, Long Beach, CA, UNITED STATES

Orthopaedic Biomechanics Laboratory,

VA Healthcare System

Long Beach, California, UNITED STATES

PAPER #54

Return to Sport Following Arthroscopic Repair of Anterior, Posterior, and Combined Shoulder Instability

Eric C. McCarty, MD, Boulder, CO, UNITED STATES

Matthew J. Kraeutler, MD, Boulder, CO, UNITED STATES

Nicholas Aberle II, MD, Boulder, CO, UNITED STATES

John B. Schrock, BA, Boulder, CO, UNITED STATES

Colin C. Brown, BA, Boulder, CO, UNITED STATES

Joseph J. Ptasiński, BS, Boulder, CO, UNITED STATES

University of Colorado School of Medicine

Boulder, Colorado, UNITED STATES

ROOM 2-3: CONCURRENT 3

17:00 – 17:30

SESSION: SHOULDER

PAPER #55

Arthroscopic Autogenous Iliac Bone Grafting to Treat Recurrent Anterior Shoulder Instability with Glenoid Bone Defect

Yaohua He, MD, Shanghai, CHINA

Shanghai Jiotong University

Shanghai, CHINA

PAPER #56

Remplissage vs. Modified Latarjet for Off-Track Hill-Sachs Lesions with Subcritical Glenoid Bone Loss

Justin Shu Yang, MD

Los Angeles, CA, UNITED STATES

Augustus D. Mazzocca, MS, MD

Farmington, CT, UNITED STATES

Robert A. Arciero, MD, Farmington, CT, UNITED STATES

Kaiser Permanente Los Angeles Medical Center

Los Angeles, California, UNITED STATES

SUNDAY, JUNE 4, 2017 (cont.)

ROOM 2-3: CONCURRENT 3

17:00 – 17:30

SESSION: SHOULDER (CONT.)

PAPER #57

Complications Following Anterior Shoulder Instability Treatment: Bankart Repair vs. Latarjet

Rachel M. Frank, MD, Chicago, IL, UNITED STATES

Bryce Basques, MD, Chicago, IL, UNITED STATES

Timothy Leroux, Chicago, IL, UNITED STATES

Justin Griffin, MD, Charlottesville, VA, UNITED STATES

Robert Thorsness, MD

Rochester, NY, UNITED STATES

Nikhil N. Verma, MD, Chicago, IL, UNITED STATES

Matthew T. Provencher, MD, Vail, CO, UNITED STATES

Anthony A. Romeo, MD, Chicago, IL, UNITED STATES

Rush University Medical Center

Chicago, Illinois, UNITED STATES

PAPER #58

A Randomized Comparative Study of Arthroscopic Fixation in Acute Tossy III Acromioclavicular Joint Dislocation: Single vs. Double Paired Endobutton Loop

Wei Lu, MD, PhD, Prof., Shenzhen, CHINA

Daping Wang, Shenzhen, Guangdong Province, CHINA

Weimin Zhu, MD, Shenzhen, Guangdong, CHINA

Kan Ouyang, Shenzhen, CHINA

Liangquan Peng, MD, Shenzhen, CHINA

Haifeng Liu, Shenzhen, Guangdong, CHINA

Hao Li, MD, Shenzhen, Guangdong, CHINA

Wenzhe Feng, MD, Shenzhen, CHINA

Jian Xu, PhD, Shenzhen, Guangdong, CHINA

Mingjin Zhong, MD, Shenzhen, Guangzhong, CHINA

Shenzhen Second People's Hospital;

Shenzhen 1st Affiliated Hospital

Shenzhen, Guangdong, CHINA

PAPER #59

The Effect of Type II Slap Lesions Repair Technique on the Length of Intratendinous Vascular Supply in Long Head of Biceps Tendon: A Cadaveric Injection Study

Chanakarn Phornphutkul, MD

Chiang Mai, THAILAND

Siripong Tahwang, MD, Chiang Mai, THAILAND

Jongkolnee Settakorn, MD, Chiang Mai, THAILAND

Chiang Mai University

Chiang Mai, THAILAND

ROOM 2-4: CONCURRENT 4

10:30 – 11:15

SESSION: PATELLOFEMORAL FOUNDATION SYMPOSIUM – PATELLAR INSTABILITY

PAPER #60

Risk Factors and Time to Recurrent Ipsilateral and Contralateral Patellar Dislocation: A Population-Based Study

Aaron J. Krych, MD

Rochester, MN, UNITED STATES

Tyson C. Christensen, MD

Rochester, MN, UNITED STATES

Thomas L. Sanders, MD

Rochester, MN, UNITED STATES

Ayoosh Pareek, BS, Rochester, MN, UNITED STATES

Nick R. Johnson, BS, Rochester, MN, UNITED STATES

Rohith Mohan, BA, Rochester, MN, UNITED STATES

Diane Lynn Dahm, MD, Rochester, MN, UNITED STATES

Mayo Clinic

Rochester, Minnesota, UNITED STATES

PAPER #61

Patellofemoral Arthritis after Lateral Patellar Dislocation: A Matched Population-Based Analysis

Aaron J. Krych, MD

Rochester, MN, UNITED STATES

Thomas Lee Sanders, MD

Rochester, MN, UNITED STATES

Ayoosh Pareek, BS, Rochester, MN, UNITED STATES

Nick R. Johnson, BS, Rochester, MN, UNITED STATES

Rohith Mohan, BA, Rochester, MN, UNITED STATES

Michael Jerome Stuart, MD

Rochester, MN, UNITED STATES

Diane Lynn Dahm, MD, Rochester, MN, UNITED STATES

Mayo Clinic

Rochester, Minnesota, UNITED STATES

PAPER #62

Trochlear Development in Children From One Month to Ten Years of Age

Elizabeth A. Arendt, MD

Minneapolis, MN, UNITED STATES

Gherardo Pagliazzi, MD, Bologna, ITALY

Cathy S. Carlson, DVM, PhD

Minneapolis, MN, UNITED STATES

Kevin G. Shea, MD, Boise, ID, UNITED STATES

Jutta M. Ellermann, MD

Minneapolis, MN, UNITED STATES

University of Minnesota

Minneapolis, Minnesota, UNITED STATES

PAPER #63

Increased Femoral Anteversion Influence Over Surgically Treated Recurrent Patellar Instability Patients

Carlos Eduardo Da Silveira Franciozi, MD, PhD, Prof., São Paulo, BRAZIL

Felipe Ambra, MD, São Paulo, BRAZIL

*Leonardo José Bernardes Albertoni, MD
São Paulo, BRAZIL*

Pedro Debieux, MD, PhD, São Paulo, BRAZIL

Fernando Cury Rezende, MD, São Paulo, BRAZIL

*Maurício Ayres de Oliveira, Lucas do Rio Verde
MT, BRAZIL*

Márcio CASTRO FERREIRA, São Paulo, BRAZIL

*Marcus Vinicius Malheiros Luzo, MD, PhD
São Paulo, BRAZIL*

Federal University of São Paulo
São Paulo, BRAZIL

PAPER #64

The Radiographic Midpoint of the Medial Patellofemoral Complex

Marc Tompkins, Minneapolis, MN, UNITED STATES

Miho Tanaka, MD, Baltimore, MD, UNITED STATES

John P. Fulkerson, MD, Farmington, CT, UNITED STATES

Johns Hopkins Hospital

Baltimore, Maryland, UNITED STATES

PAPER #65

Allograft vs. Autograft for Medial Patellofemoral Ligament Reconstruction

**Robert A. Magnussen, MD, MPH
Columbus, OH, UNITED STATES**

Nathaniel Lundy, BS, Columbus, OH, UNITED STATES

Scott Shemory, Akron, OH, UNITED STATES

Michael Stijgen, BS, Columbus, OH, UNITED STATES

David C. Flanigan, MD, Columbus, OH, UNITED STATES

The Ohio State University

Columbus, Ohio, UNITED STATES

ROOM 2-4: CONCURRENT 4

11:40 – 12:00

SESSION: PATELLAR INSTABILITY

PAPER #66

“Basket Weave” Technique of MPFL Reconstruction. A Prospective Study in 62 Knees Pranjal Sharad Kodkani, MS(Ortho), D(Ortho), MB, BS, Mumbai, INDIA

Bombay Hospital, Shushrusha Hospital,

Hinduja Healthcare Surgical

Mumbai, Maharashtra, INDIA

PAPER #67

Clinical and Radiological Predictors of Medial Patellofemoral Ligament Reconstruction

Thomas Neri, MD, Saint Etienne, FRANCE

Bertrand Boyer, MD, PhD, Saint Etienne, FRANCE

Frederic Farizon, Saint Etienne, FRANCE

Remi Philippot, MD, PhD, Saint Priest en Jarez, FRANCE

Laboratoire Interuniversitaire Biologie Motricité,

University Hospital of Saint Etienne

Saint Etienne, FRANCE

PAPER #68

High Failure Rate After Medial Patellofemoral Ligament Reconstructions. A Nationwide Epidemiological Study Investigating 2,572 Medial Patellofemoral Ligament Reconstructions and 24,154 Primary Dislocations

Kasper Skriver Gravesen, MD, Aarhus, DENMARK

Thomas Kallemose, MSc, Copenhagen, DENMARK

Lars Blønd, MD, Copenhagen, DENMARK

Anders Troelsen, MD, PhD, DMSc, Prof.

Copenhagen, Hvidovre, DENMARK

Kristoffer Weisskirchner Barfod, MD, PhD

Copenhagen, DENMARK

Clinical Orthopedic Research Hvidovre (CORH)

Hvidovre, Copenhagen, DENMARK

ROOM 2-4: CONCURRENT 4

13:30 – 14:15

SESSION: PATELLAR INSTABILITY

PAPER #69

Biomechanical Effects of MPTL Reconstruction – A Comparison with Two Techniques For MPFL Reconstruction

Felipe Ambra, MD, São Paulo, BRAZIL

Amy Phan, BS, Boston, MA, UNITED STATES

Andreas H. Gomoll, MD, Boston, MA, UNITED STATES

Brigham and Women's Hospital

Boston, Massachusetts, UNITED STATES

SUNDAY, JUNE 4, 2017 (cont.)

ROOM 2-4: CONCURRENT 4

13:30 – 14:15

SESSION: PATELLAR INSTABILITY (CONT.)

PAPER #70

Tunnel-Enlargement After Medial Patello-Femoral Ligament (MPFL) Reconstruction with a Free Gracilis Graft: Clinical Implications and Magnetic Resonance Imaging Evaluation

Karl F. Schöttler, MD, Marburg, GERMANY

Ewgeni Ziring, MD, Marburg, GERMANY

Almut Hoeger, Student, Marburg, GERMANY

Philip Peter Roessler, MD, Bonn, GERMANY

Jens Figiel, MD, Marburg, GERMANY

Turgay Efe, MD, Marburg, GERMANY

University Hospital Marburg

Marburg, GERMANY

PAPER #71

Graft Length Change Patterns in Medial Patellofemoral Ligament Reconstruction Using a Fluoroscopic-Guidance Method

Takehiko Matsushita, MD, Kobe, Hyogo, JAPAN

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

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

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

Kyohei Nishida, MD, Kobe, Hyogo, JAPAN

Ken Sasaki, MD, PhD, Kobe, Hyogo, JAPAN

Noriyuki Kanzaki, MD, PhD, Kobe, Hyogo, JAPAN

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

Department of Orthopaedic Surgery, Kobe University

Graduate School of Medicine

Kobe, Hyogo, JAPAN

PAPER #72

MPFL Reconstruction Combined with Anteromedialization Tibial Tubercle Osteotomy vs. Isolated MPFL Reconstruction in Patients with Recurrent Patellar Instability: A Quasi-Randomized Controlled Trial

Carlos Eduardo Da Silveira Franciozi, MD, PhD, Prof., São Paulo, BRAZIL

Felipe Ambra, MD, São Paulo, BRAZIL

Leonardo José Bernardes Albertoni, MD

São Paulo, BRAZIL

Pedro Debieux, MD, PhD, São Paulo, BRAZIL

Geraldo S.M. Granata Jr., MD, PhD, São Paulo, BRAZIL

Marcelo Seiji Kubota, São Paulo, BRAZIL

Mario Carneiro, MD, PhD, São Paulo, BRAZIL

Rene Jorge Abdalla, MD, PhD, São Paulo, BRAZIL

Marcus Vinicius Malheiros Luzo, MD, PhD

São Paulo, BRAZIL

Moises Cohen, MD, PhD, Prof., São Paulo, BRAZIL

Federal University of São Paulo

São Paulo, BRAZIL

PAPER #73

The Outcomes of Modified Fulkerson Osteotomy Procedure to Treat Habitual Patellar Dislocation Associated with High-Grade Trochlear Dysplasia

Hong Chen, MD, PhD, Kunming, CHINA

Daohong Zhao, MD, Kunming, CHINA

Jun Zhang, MD, Kunming, Yun Nan, CHINA

Qi Hui Duan, MD, Kunming, Yun Nan, CHINA

The First People's Hospital of Kunming

Kunming, Yun Nan, CHINA

PAPER #74

Long-Term Clinical Outcome of Trillat Tibial Tubercle Osteotomy

Sinan Said, MD, Viborg, DENMARK

Hans Peter Jensen, DENMARK

Carsten Moeller Moelgaard, PhD, Aalborg, DENMARK

Aalborg University Hospital

Aalborg, DENMARK

PAPER #75

Biomechanical Consequences of Excessive Patellar Distalization

Justin Shu Yang, MD

Los Angeles, CA, UNITED STATES

John P. Fulkerson, MD, Farmington, CT, UNITED STATES

Elifho Obopilwe, Farmington, CT, UNITED STATES

Andreas Voss, MD, Munich, GERMANY

Jessica Divenere, BS

Farmington, CT, UNITED STATES

Augustus D. Mazzocca, MS, MD

Farmington, CT, UNITED STATES

Cory M. Edgar, MD, PhD

Farmington, CT, UNITED STATES

University of Connecticut

Farmington, Connecticut, UNITED STATES

ROOM 2-4: CONCURRENT 4
10:00 – 10:30

SESSION: ELBOW

PAPER #78
Factors Associated with Complications of Elbow Arthroscopy. Analysis of 253 Cases
Anastasios Papadonikolakis, MD, PhD
Greensboro, NC, UNITED STATES

Alexander Jinnah, WS, NC, UNITED STATES
 Talal N. Almasri, MS, Riyadh, SAUDI ARABIA
 Ayesha N. A. Anwer, MS, Riyadh, SAUDI ARABIA
 Houria Z. Javed, MS, Riyadh, SAUDI ARABIA
 Zhongyu Li, MD, PhD, WS, NC, UNITED STATES
 Ethan R. Wiesler, MD, WS, NC, UNITED STATES
 Christopher Tuohy, MD, WS, NC, UNITED STATES
 Michael Thomas Freehill, MD
 Ann Arbor, MI, UNITED STATES
 Gary G. Poehling, MD, WS, NC, UNITED STATES

Wake Forest University Baptist Medical Center
 Winston-Salem, North Carolina, UNITED STATES

PAPER #80
Retrospective Comparative Analysis of Elbow Arthroscopy Used to Treat Primary Osteoarthritis with and without Release of the Posterior Band of the Medial Collateral Ligament
Sung Hyun Lee, MD, Iksan-Si, REPUBLIC OF KOREA

Se Jin Kim, MD, Iksan, REPUBLIC OF KOREA
 Jeong Woo Kim, MD, Iksan, REPUBLIC OF KOREA

WonKwang University Hospital
 Iksan, REPUBLIC OF KOREA

ROOM 2-4: CONCURRENT 4
17:00 – 17:30

SESSION: KNEE – ACL

PAPER #81
Clinical Usability Assessment of Non-Invasive Quantitative Measurement Devices for the Pivot Shift Test
Toshikazu Tanaka, MD, Kobe, Hyogo, JAPAN

Yuichi Hoshino, MD, PhD, Kobe, Hyogo, JAPAN
 Nobuaki Miyaji, MD, Kobe, Hyogo, JAPAN
 Kazuyuki Ibaragi, MD, Kobe, Hyogo, JAPAN
 Kyohei Nishida, MD, Kobe, Hyogo, JAPAN
 Yuichiro Nishizawa, MD, Kobe, Hyogo, JAPAN
 Daisuke Araki, MD, PhD, Kobe, Hyogo, JAPAN
 Noriyuki Kanzaki, MD, PhD, Kobe, Hyogo, JAPAN
 Takehiko Matsushita, 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 #82
ACL Graft Metabolic Activity Assessed by 18FDG PET-MRI
Robert A. Magnussen, MD, MPH
Columbus, OH, UNITED STATES

Katherine Binzel, PhD, Columbus, OH, UNITED STATES
 Jun Zhang, PhD, Columbus, OH, UNITED STATES
 Wenbo Wei, PhD, Columbus, OH, UNITED STATES
 Melanie U. Knopp, Columbus, OH, UNITED STATES
 David C. Flanigan, MD, Columbus, OH, UNITED STATES
 Timothy E. Hewett, PhD
 Rochester, MN, UNITED STATES
 Christopher C. Kaeding, MD
 Columbus, OH, UNITED STATES
 Michael V. Knopp, MD, PhD
 Columbus, OH, UNITED STATES

The Ohio State University
 Columbus, Ohio, UNITED STATES

PAPER #83
Minimum Two-Year Outcomes of ACL Reconstruction Associated with Bimeniscal Repair
Philippe Boisrenoult, MD, Le Chesnay, FRANCE

Nicolas Pujol, MD, Le Chesnay, FRANCE
 Philippe Beaufils, MD, Le Chesnay, FRANCE

Centre Hospitalier de Versailles
 Le Chesnay, FRANCE

PAPER #84
Utility of a New Developed Motion Capture with Infrared Camera System in ACL-Insufficient Knees by the Comparison with the Validated Navigation System
Eiichi Nakamura, MD, PhD, Kumamoto City, JAPAN

Nobukazu Okamoto, MD, PhD, Kumamoto, JAPAN
 Soichiro Yamabe, MD, PhD, Kumamoto, JAPAN
 Tetsuro Masuda, MD, PhD, Kumamoto, JAPAN
 Daisuke Shiraishi, MD, PhD, Kumamoto, JAPAN
 Hiroshi Mizuta, MD, PhD, Kumamoto, JAPAN

Department of Orthopaedic Surgery, Faculty of Life Sciences, Kumamoto University
 Kumamoto, JAPAN

PAPER #85
Pain Management and Impact on the Local Muscle Mass Comparing Local Infiltration Analgesia vs. Femoral Nerve Block after Anterior Cruciate Ligament Reconstruction: A Randomised Controlled Trial
Horacio F. Rivarola Etcheto, MD
Buenos Aires, ARGENTINA

Emiliano Luis Alvarez Salinas, MD
 Buenos Aires, ARGENTINA
 Cristian Carlos Collazo, MD, Buenos Aires, ARGENTINA
 Mauricio Eduardo Chiotto Romano, MD
 Buenos Aires, ARGENTINA
 Marcos Palanconi, MD, Buenos Aires, ARGENTINA
 Santiago Lamarca, MD, Buenos Aires, ARGENTINA

Hospital Universitario Austral
 Pilar, Buenos Aires, ARGENTINA

MONDAY, JUNE 5, 2017

ROOM 301: GENERAL SESSION

13:30 – 14:00

RICHARD B. CASPARI AWARD
FINALIST PRESENTATIONS

PAPER #261

Individual Shoulder Anatomy and Degenerative Rotator Cuff Tear: Comparison of Radiographic Parameters of 800 Patients with RCT and 800 Non-Affected

Edoardo Franceschetti, MD, Rome ITALY

Alessio Palumbo, MD, Rome, ITALY

Michele Paciotti, MS, Roma, ITALY

Luca La Verde, MD, Roma, ITALY

Michele Attilio Rosa, Messina, Sicily, ITALY

Nicola Maffulli, MD, PhD, MS, FRCS(Orth)

London, UNITED KINGDOM

Rocco Papalia, MD, PhD, Prof., Rome, ITALY

Francesco Franceschi, MD, PhD, Rome, ITALY

Campus Bio Medico

Roma, ITALY

PAPER #262

Arthroscopic Superior Capsule Reconstruction Eliminates Pseudoparalysis In Patients with Irreparable Rotator Cuff Tears

Teruhisa Mihata, MD, PhD, Takatsuki, Osaka JAPAN

Thay Q. Lee, PhD, Long Beach, CA, UNITED STATES

Akihiko Hasegawa, MD, PhD, Takatsuki, Osaka, JAPAN

Takeshi Kawakami, MD, PhD, Takatsuki, Osaka, JAPAN

Kunimoto Fukunishi, MD, Takatsuki, Osaka, JAPAN

Yukitaka Fujisawa, MD, Takatsuki, Osaka, JAPAN

Yasuo Itami, MD, Takatsuki, JAPAN

Mutsumi Ohue, MD, Takatsuki, JAPAN

Masashi Neo, MD, PhD, Prof., Takatsuki, JAPAN

Osaka Medical College

Takatsuki, Osaka, JAPAN

PAPER #263

Does Concomitant Biceps Surgery Affect the Outcome of Rotator Cuff Repair?

Bruce S. Miller, MD, MS

Ann Arbor, MI, UNITED STATES

Scott Thomas Watson, MD

Christopher Robbins, PhD

Ann Arbor, MI, UNITED STATES

Asheesh Bedi, MD, Ann Arbor, MI, UNITED STATES

James Carpenter, Ann Arbor, MI, UNITED STATES

University of Michigan

Ann Arbor, Michigan, UNITED STATES

PAPER #264

Clavicular Osteochondral Graft as a Treatment of a Glenoid Bone Deficiency, a Comparison of Glenoid Resurfacing Capability vs. Coracoid Latarjet Transfer

Adam Kwapisz, MD, PhD, Łódź POLAND

Kelly V. Fitzpatrick, DO, Tacoma, WA, UNITED STATES

Jay B. Cook, MD, Fort Stewart, GA, UNITED STATES

John Tokish, MD, Simpsonville, SC, UNITED STATES

Steadman Hawkins Clinic of the Carolinas

Greenville, South Carolina, UNITED STATES

ROOM 2 – 1: CONCURRENT 2

14:30 – 15:00

SESSION: FOOT & ANKLE

PAPER #86

The Peroneus Brevis and Plantar Fascia Insertions are Related to Proximal Fifth Metatarsal Fracture

Pim Adriana Dirkje Van Dijk, BSc

Amsterdam, NETHERLANDS

Sofie Henriette Breuking, MD

Boston, MA, UNITED STATES

Bryan Vopat, Providence, RI, UNITED STATES

Daniel Guss, MD, MBA, Boston, MA, UNITED STATES

Anne Johnson, MD, Boston, MA, UNITED STATES

Ali Hosseini, PhD, Boston, MA, UNITED STATES

Christopher DiGiovanni, MD

Boston, MA, UNITED STATES

Massachusetts General Hospital

Boston, Massachusetts, UNITED STATES

PAPER #87

A Biomechanical Comparison of Fifth Metatarsal Jones Fracture Fixation Methods – What is the Ideal Construct?

Joshua David Harris, MD

Houston, TX, UNITED STATES

Neil Leon Duplantier, MD, Gretna, LA, UNITED STATES

Ronald Jacob Mitchell, MD

Houston, TX, UNITED STATES

Aaron Stone, MS, College Station, TX, UNITED STATES

Steve Zambrano, BS

College Station, TX, UNITED STATES

Domenica Delgado, BS, Houston, TX, UNITED STATES

Bradley S. Lambert, PhD, Houston, TX, UNITED STATES

Michael R. Moreno, PhD

College Station, TX, UNITED STATES

Patrick C. McCulloch, Houston, TX, UNITED STATES

David M. Lintner, MD, Houston, TX, UNITED STATES

Kevin E. Varner, MD, Houston, TX, UNITED STATES

Houston Methodist Orthopedics & Sports Medicine

Houston, Texas, UNITED STATES

PAPER #88

Athletic Performance in the National Basketball Association Following Arthroscopic Debridement of Osteochondral Lesions of the Talus

Richard D. Ferkel, MD

Van Nuys, CA, UNITED STATES

Christopher Lee Sheu, MD

Van Nuys, CA, UNITED STATES

Southern California Orthopedic Institute

Van Nuys, California, UNITED STATES

PAPER #89

A Metal Resurfacing Implant in the Treatment of Osteochondral Defects of the Talus after Failed Previous Surgery: A Prospective Follow-Up

Gwendolyn Vuurberg, Bachelor of Health

Weesp, NETHERLANDS

Rogier Gerards, MD, Amsterdam, NETHERLANDS

Inge Van Eekeren, MD, Amsterdam, NETHERLANDS

Mikel L. Reilingh, MD, Amsterdam, NETHERLANDS

Christiaan J.A. Van Bergen, MD

Amsterdam, NETHERLANDS

C. Niek Van Dijk, MD, PhD, Abcoude, NETHERLANDS

Academic Medical Center

Amsterdam, NETHERLANDS

PAPER #90

The Epidemiology of Lisfranc Injuries at the NFL Combine and its Impact on an Athlete's NFL Career

Matthew T. Provencher, MD

Vail, CO, UNITED STATES

Kevin Jude McHale, MD

Cape May Court House, NJ, UNITED STATES

Bryan Vopat, Providence, RI, UNITED STATES

Brendin Beaulieu-Jones

Hanover, NH, UNITED STATES

George Sanchez, Vail, CO, UNITED STATES

Catherine Logan, MD, Brookline, MA, UNITED STATES

George H. Theodore, MD, Boston, MA, UNITED STATES

Christopher DiGiovanni, MD

Boston, MA, UNITED STATES

Massachusetts General Hospital

Boston, Massachusetts, UNITED STATES

ROOM 2 – 1: CONCURRENT 2

16:30 – 17:30

SESSION: GONG SHOW – UPPER LIMB

PAPER #91

The Study of Soft Tissue Status after Anatomical Fixation of Distal Radius Fracture

Margaret Woon Man Fok, FRCS(ortho), MBChB (Otago), Hong Kong, HONG KONG

Christian Xinhua Fang, FRCS(ortho), MBBS

Hong Kong, HONG KONG

Tak Wing Lau, FRCS(ortho), MBBS

Hong Kong, HONG KONG

Boris Kwok Keung Fung, FRCS(ortho), MBBS

Hong Kong, HONG KONG

Frankie Ka Li Leung, FRCS(ortho), MBBS

Hong Kong, HONG KONG

Queen Mary Hospital, The University of Hong Kong

Hong Kong, HONG KONG

PAPER #92

What are the Risk Factors for Rotator Cuff Retears?

Seungbo Shim, MD, Seoul, REPUBLIC OF KOREA

Jae Chul Yoo, MD, Seoul, REPUBLIC OF KOREA

Department of Orthopaedic Surgery, Samsung Medical

Center, Sungkyunkwan University School of Medicine

Seoul, REPUBLIC OF KOREA

PAPER #93

Evaluation of Variety and Delamination of Infrapinatus Tendon Using Radial-Sequence Magnetic Resonance Imaging

Hiroshi Negi, MD, Hiroshima, JAPAN

Shin Yokoya, MD, PhD, Hiroshima, JAPAN

Katsunori Shiraishi, MD, Hiroshima, JAPAN

Ryosuke Matsushita, MD, Hiroshima, JAPAN

Yu Mochizuki, MD, Hiroshima, JAPAN

Nobuo Adachi, MD, PhD, Hiroshima, JAPAN

Mitsuo Ochi, MD, PhD, Hiroshima, JAPAN

University of Hiroshima

Hiroshima, JAPAN

PAPER #94

The Relationships of Acromion Index and Critical Shoulder Angle in Korean Patients with Rotator Cuff Tear

Kyoung Jin Park, MD, PhD

Cheongju, REPUBLIC OF KOREA

Yong-Min Kim, MD, Cheongju, REPUBLIC OF KOREA

Byung-Ki Cho, MD, Cheongju, REPUBLIC OF KOREA

Donghwan Kim, MD, Cheongju, REPUBLIC OF KOREA

Jae Young Yang, Cheongju, REPUBLIC OF KOREA

Department of Orthopaedic Surgery, College of Medicine,

Chungbuk National University

Cheongju, Chungbuk, REPUBLIC OF KOREA

PAPER #95

Repair of Large to Massive Rotator Cuff Tears with the Open vs. Arthroscopic Technique: A Systematic Review

Nuno Seivas, MD, Póvoa De Varzim, PORTUGAL

Nuno Jose Ferreira, MD, Braga, PORTUGAL

Renato Andrade, BSc, Porto, PORTUGAL

Pedro Moreira, PhD, Braga, PORTUGAL

António Salgado, PhD, Braga, PORTUGAL

Raquel Portugal, MD, Póvoa De Varzim, PORTUGAL

Nuno Sousa, PhD, Braga, PORTUGAL

João Duarte Espregueira-Mendes, MD, PhD

Porto, PORTUGAL

University of Minho – School of Health Sciences Life

and Health Sciences Research Institute (ICVS)

Braga, Minho, PORTUGAL

MONDAY, JUNE 5, 2017 (cont.)

ROOM 2-1: CONCURRENT 2

16:30 – 17:30

SESSION: GONG SHOW – UPPER LIMB (CONT.)

PAPER #96

Does Obesity Affect Functional Outcomes after Rotator Cuff Repair?

Bruce S. Miller, MD, MS

Ann Arbor, MI, UNITED STATES

Katie Kessler, BS, Ann Arbor, MI, UNITED STATES

Christopher Robbins, PhD

Ann Arbor, MI, UNITED STATES

Asheesh Bedi, MD, Ann Arbor, MI, UNITED STATES

James Carpenter, Ann Arbor, MI, UNITED STATES

Joel Gagnier, ND, MSc, PhD

Ann Arbor, MI, UNITED STATES

University of Michigan

Ann Arbor, Michigan, UNITED STATES

PAPER #97

A Prospective, Quantitative MRI-Based Assessment on the Progression of Fatty Infiltration after Rotator Cuff Repair

C. Benjamin Ma, MD

San Francisco, CA, UNITED STATES

Drew Lansdown, MD

San Francisco, CA, UNITED STATES

Sonia Lee, MD, San Francisco, CA, UNITED STATES

Roland Krug, PhD, San Francisco, CA, UNITED STATES

Brian Feeley, MD, San Francisco, CA, UNITED STATES

University of California, San Francisco

San Francisco, California, UNITED STATES

PAPER #98

Repair Integrity and Functional Outcomes after Arthroscopic Suture Bridge Subscapularis Tendon Repair

Kazuhiro Shibayama, MD, Shibuya-ku, JAPAN

Hiroyuki Sugaya, MD, Funabashi, Chiba, JAPAN

Norimasa Takahashi, MD, Funabashi, Chiba, JAPAN

Keisuke Matsuki, MD, PhD, Funabashi, Chiba, JAPAN

Morihiro Tokai, MD, Funabashi, Chiba, JAPAN

Kazutomo Onishi, MD, Funabashi, Chiba, JAPAN

Hiroshige Hamada, MD, Funabashi, Chiba, JAPAN

Shota Hoshika, MD, Funabashi City, Chiba, JAPAN

Funabashi Orthopedic Sports Medicine and Joint Center

Funabashi, JAPAN

PAPER #99

Finite Element Analysis to Detect the Acromion Fracture Risk Following Anatomic AC Joint Repair

Felix Dyrna, MD, München, GERMANY

Celso Cruz Timm De Oliveira, MS

Farmington, CT, UNITED STATES

Micheal D. Nowak, Farmington, CT, UNITED STATES

Andreas Voss, MD, Munich, GERMANY

Sepp Braun, MD, Munich, GERMANY

Andreas B. Imhoff, MD, Prof., Munich, GERMANY

Augustus D. Mazzocca, MS, MD

Farmington, CT, UNITED STATES

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

University of Connecticut Health Center

Farmington, Connecticut, UNITED STATES

PAPER #100

Acute Fixation of Acromioclavicular Separations: An Internal Splint Technique

Alan Zhang, MD

San Francisco, CA, UNITED STATES

Joey LaMartina II, MD, Covington, LA, UNITED STATES

Liane Miller, MD, San Francisco, CA, UNITED STATES

David Y. Ding, MD, San Francisco, CA, UNITED STATES

Brian Feeley, MD, San Francisco, CA, UNITED STATES

C. Benjamin Ma, MD

San Francisco, CA, UNITED STATES

University of California, San Francisco Medical Center

San Francisco, California, UNITED STATES

PAPER #101

Comparative Study on Clinical Results of Arthroscopic Repair of Anteroinferior, Superior, and Combined Glenoid Labral Tear: A Two-Year Follow-Up Study

Meng Zhu, MD, Singapore, SINGAPORE

Jerry Chen, MBBS, MRCS (Edin), MMed (Ortho)

Singapore, SINGAPORE

Hwei Chi Chong, BSc, Singapore, SINGAPORE

Paul Chee Cheng Chang, MBBS, FRCS

Singapore, SINGAPORE

Denny TT Lie, MBBS, FRCS, FAMS

Singapore, SINGAPORE

Singapore General Hospital

Singapore, SINGAPORE

PAPER #102

The Arthroscopic Latarjet with Anterior Capsule Reconstruction. Clinical Outcome and Radiological Evaluation of 52 Cases with a Minimum Two-Year Follow-Up

Yiming Zhu, MD, Beijing, CHINA

Chunyan Jiang, MD, Beijing, CHINA

Beijing Jishuitan Hospital

Beijing, CHINA

PAPER #104

Does Prior Shoulder Surgery Negatively Impact Shoulder Arthroplasty Outcomes?

Rachel M. Frank, MD, Chicago, IL, UNITED STATES

Simon Lee, MPH, Chicago, IL, UNITED STATES
 Justin Griffin, MD, Charlottesville, VA, UNITED STATES
 Brian J. Cole, MD, MBA, Chicago, IL, UNITED STATES
 Gregory P. Nicholson, MD, Chicago, IL, UNITED STATES
 Nikhil N. Verma, MD, Chicago, IL, UNITED STATES
 Anthony A. Romeo, MD, Chicago, IL, UNITED STATES

Rush University Medical Center
 Chicago, Illinois, UNITED STATES

ROOM 2-3: CONCURRENT 3

14:15 – 14:45

SESSION: ACL RECONSTRUCTION:
 RETURN TO SPORT

PAPER #105

ACL Injury in Collegiate Football Athletes: Impact on Draft Status and Professional Performance

Matthew T. Provencher, MD

Vail, CO, UNITED STATES

Brendin Beaulieu-Jones, Hanover, NH, UNITED STATES
 George Sanchez, Vail, CO, UNITED STATES
 Justin W. Arner, MD, Pittsburgh, PA, UNITED STATES
 Rachel M. Frank, MD, Chicago, IL, UNITED STATES
 James P. Bradley, MD, Pittsburgh, PA, UNITED STATES
 Robert F. LaPrade, MD, PhD, Vail, CO, UNITED STATES

The Steadman Clinic
 Vail, Colorado, UNITED STATES

PAPER #106

Fifteen-Year Audit of Anterior Cruciate Ligament Reconstructions in the Australian Football League

Courtney C. H. Lai, MBBS, BMedSc(Hons)

Melbourne, VIC, AUSTRALIA

Kate E. Webster, PhD, Melbourne, VIC, AUSTRALIA
 Julian A. Feller, FRACS, Melbourne, VIC, AUSTRALIA

La Trobe University
 Melbourne, Victoria, AUSTRALIA

PAPER #107

Effects of Anterior Cruciate Reconstruction Surgery and Non-Concurrent Strength and Endurance Rehabilitation on Self-Perceived Function: A Prospective, Random-Allocation Controlled Study

Andrea Kay Bailey, PhD

Oswestry, Shropshire, UNITED KINGDOM

Simon Roberts, MA BM BCh FRCS(Orth) FFSEM
 Chester, Cheshire, UNITED KINGDOM
 David Rees, FRCS
 Oswestry, Shropshire, UNITED KINGDOM
 Andrew Barnett, MBBS, MRCS(Ed), FRCS(Ed)(Tr&Orth)
 Oswestry, UNITED KINGDOM
 Peter Gallacher, MBChB, MRCS, FRCS(Tr & Orth)
 Oswestry, Shropshire, UNITED KINGDOM
 Elizabeth Gaynor Kanes, RGN
 Oswestry, Shropshire, UNITED KINGDOM
 Nigel Paul Gleeson, PhD, Exeter, UNITED KINGDOM

Robert Jones & Agnes Hunt Orthopaedic
 NHS Foundation Trust
 Oswestry, Shropshire, UNITED KINGDOM

PAPER #108

Timing of Muscle Activation is Altered During Single-Leg Landing Tasks Following ACL Reconstruction at the Time of Return to Sport

Jacopo Emanuele Rocchi, MSc, Rome, ITALY

Luciana Labanca, PhD, Rome, ITALY
 Luca Laudani, PhD, Cardiff, Wales, UNITED KINGDOM
 Carlo Minganti, PhD, Rome, ITALY
 Pier Paolo Mariani, MD, Prof., Rome, ITALY
 Andrea Macaluso, MD, PhD, Rome, ITALY

Casa di Cura "Villa Stuart"
 Roma, ITALY

PAPER #109

Investigating the Precision and Accuracy of Subjective Patient and Surgeon Expectations Following Anterior Cruciate Ligament Reconstruction

Michael G. Ciccotti, MD

Philadelphia, PA, UNITED STATES

Weilong J. Shi, MD, Philadelphia, PA, UNITED STATES
 Danielle Weekes, MD
 Egg Harbor Township, NJ, UNITED STATES
 Kevin Freedman, MD, Bryn Mawr, PA, UNITED STATES
 John Salvo, MD, Voorhees, NJ, UNITED STATES
 Steven B. Cohen, MD, Media, PA, UNITED STATES
 Bradford Tucker, MD, Philadelphia, PA, UNITED STATES
 Matthew Pepe, MD
 Egg Harbor Township, NJ, UNITED STATES
 Fotios Paul Tjoumakaris, MD
 Philadelphia, PA, UNITED STATES

Rothman Institute
 Philadelphia, Pennsylvania, UNITED STATES

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Ask the Experts Sessions

Smith & Nephew Booth #301

Sunday, June 4 | 15:00 - 15:30

Ligament Reconstruction – Reconstruct with Confidence

*Faculty: Patrick Shu Hang Yung, FRCS (Orth Surgery),
FHKCOS, FHKAM, FRCS, MBChB (Hong Kong);
Alan Getgood, MD, FRCS (Tr & Orth), Dip SEM (Canada)*

Monday, June 5 | 9:00 - 9:30

膝关节韧带修复解剖重建在中国的发展

Faculty: XueSong Dai, MD (China)

Monday, June 5 | 15:00 - 15:30

WEREWOLF® System: Experience From my First 500 Cases

Faculty: James T. Robinson, BS (UAE)

Tuesday, June 6 | 9:00 - 9:30

Handheld Robotic Technology in Partial Knee

Faculty: Sebastien Lustig, MD, PhD, Prof. (France)

Tuesday, June 6 | 15:00 - 15:30

Save the Meniscus

*Faculty: Robert LaPrade, MD, PhD (US);
Richard von Bormann, MD (South Africa)*

Wednesday, June 7 | 9:00 - 9:30

Latest Advancements in Cartilage Repair

*Faculty: Philippe Landreau, MD (Qatar);
Dave Lee, MD (Singapore)*

Wednesday, June 7 | 15:00 - 15:30

Cyclic and Load to Failure of All Suture Anchors in Synthetic Acetabular and Glenoid Cancellous Bone

Faculty: Marc Safran, MD (US)



Daily Lunchtime Workshops

Join our daily workshops, led by a faculty of distinguished thought leaders.

Sunday, June 4 | 12:15 - 13:30
General session Room #301

Reconstruct With Confidence

Keynote Address:

An Evolving Concept: Individualized, Anatomic ACL Reconstruction In 2017,
Freddie H. Fu, MD (USA)

Clinical Practice Pearls:

How To Sleep Better After Performing An ACL Reconstruction

Faculty: Christopher John Vertullo, MBBS, FRACS (Orth), FAOrthA, MD (Australia); Charles H. Brown, MD (UAE)

What is the Role of Lateral Extraarticular Reconstruction in ACL Surgery?

Chairman: Andy Williams, MBBS, FRCS, FRCS (Orth) (UK)

Faculty: Volker Musahl, MD (US); Alan Getgood, MD, FRCS (Tr & Orth), Dip SEM (Canada); Philippe Neyret, MD (France); Bertrand Sonnery-Cottet, MD (France)

The Nightmare ACL Patient: Case Based Presentations with Faculty and Audience Response

Chairman: James T. Robinson, BS (UAE)

Faculty: Joao Carles Monllau, MD (Spain); Ryosuke Kuroda, MD (Japan); Julian Feller, MD (Australia); Freddie H. Fu, MD (US); Robert LaPrade, MD, PhD (US)

Monday, June 5 | 12:15 - 13:30
Room 2-3

Challenging Shoulder Procedures and Innovative Solutions

Faculty: Ettore Taverna, MD (Italy); Felix Savoie, MD (US); Ian King Yeung Lo, MD (Canada)

Monday, June 5 | 12:15 - 13:30
Room 2-1

Experience the Handheld Robotic Technology in Knee Replacement

Where Do We Go From Here?

David Mayman, MD (US)

Why Robotic is Good for the Knee

David Mayman, MD (US)

Pre-Recorded NAVIO Robotic Surgery With JOURNEY UNI

Sebastien Lustig, MD, PhD, Prof. (France)

Questions and Answers, Marketing Survey

David Mayman, MD (US); Sebastien Lustig, MD, PhD, Prof. (France)

Tuesday, June 6 | 12:15 - 13:30
General session Room #301

Save the Meniscus

Clinical Relevant Meniscus Anatomy

Richard von Bormann, MD (South Africa)

Meniscal Repair Techniques

Faculty: James T. Robinson, BS (UAE); Peter Myers, MD (Australia); Tim Spalding, FRCS (Orth) (UK); Rodrigo Maestu, MD (Argentina); Charles H. Brown, MD (UAE)

The Hidden Reality, You May Not Have Seen It, But It Has Seen You – Posterior Meniscal Lesions: Root Tears and Ramp Lesion

Faculty: Robert LaPrade, MD, PhD (US); James T. Robinson, BS (UAE); Hua Feng, MD (China); Sachin Tapasvi, MD (India)

Wednesday, June 7 | 12:15 - 13:30
Room 2-3

The Arthroscopic Hip Case: Techniques From Around the Globe

Tips and Pearls of All-Suture Anchors

JW Thomas Byrd, MD (US)

Labral Reconstruction: Preoperative Planning and Tips for Successful Outcomes

Marc Philippon, MD (US)

Shelf Acetabuloplasty for Developmental Dysplasia of the Hip

Soshi Uchida, MD, PhD (Japan)

Surgical Technique for Pincer Impingement Revision

Rodrigo Mardones, MD (Chile)

For a detailed listing of daily lunchtime workshops, in-booth talks and product highlights, visit www.SNISAKOS.com

MONDAY, JUNE 5, 2017 (cont.)

ROOM 2-3: CONCURRENT 3

16:45 – 17:30

SESSION: KNEE ARTHROPLASTY

PAPER #110

Unexplained Pain Following Total Knee Arthroplasty is Rotational Malalignment the Problem?

Simon W. Young, MD, FRACS
Auckland, NEW ZEALAND

Mark Spangehl, MD, Scottsdale, AZ, UNITED STATES
Henry D. Clarke, MD, Phoenix, AZ, UNITED STATES

Mayo Clinic
Scottsdale, Arizona, UNITED STATES

PAPER #111

Influence of Preoperative Range of Motion on Varus-Valgus Laxity in Total Knee Arthroplasty

Hiroshi Kiyomatsu, MD, PhD, Toon, Ehime, JAPAN

Kazunori Hino, MD, PhD, Toon, Ehime, JAPAN
Seiji Watanabe, MD, Toon, Ehime, JAPAN
Tatsuhiko Kutsuna, MD, PhD, Toon, Ehime, JAPAN
Kunihiko Watamori, MD, Toon, Ehime, JAPAN
Yasumitsu Ishimaru, Toon, Ehime, JAPAN
Hiromasa Miura, MD, PhD, Prof., Toon, Ehime, JAPAN

Ehime University Graduate School of Medicine
Toon, Ehime, JAPAN

PAPER #112

Rotational Laxity and Collateral Ligament Laxity after Total Knee Arthroplasty with Rotating Platform

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

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

University Hospital
Freiburg, GERMANY

PAPER #113

Patellar-Friendly Implant does Not Affect Patient Perception of Patellar Management Following Total Knee Arthroplasty: A Simultaneous Bilateral Randomized Study

In Jun Koh, MD, PhD, Prof.
Seoul, REPUBLIC OF KOREA

Yong In, MD, PhD, Seoul, REPUBLIC OF KOREA
Man Soo Kim, MD, Seoul, REPUBLIC OF KOREA
Young Jun Choi, MD, Seoul, REPUBLIC OF KOREA
Keun Young Choi, MD, Seoul, REPUBLIC OF KOREA

Seoul St. Mary's Hospital
Seoul, REPUBLIC OF KOREA

PAPER #114

Total or Partial Knee Replacement for Medial Osteoarthritis? Early Results from the TOPKAT Trial

David J. Beard, Prof., MA, MSc, DPhil
Oxford, UNITED KINGDOM

Andrew James Price, DPhil, FRCS(Orth)
Oxford, UNITED KINGDOM
Jonathan Cook, PhD, Oxford, UNITED KINGDOM
Raymond Fitzpatrick, PhD, Oxford, UNITED KINGDOM
Andrew Carr, Prof., Oxford, UNITED KINGDOM
Marion Campbell, PhD
Aberdeen, Oxfordshire, UNITED KINGDOM
Graeme MacLennan, MSc
Aberdeen, Oxfordshire, UNITED KINGDOM
Loretta Davies, MSc, Oxford, UNITED KINGDOM
David Murray, FRCS(Orth)
Headington, Oxford, UNITED KINGDOM

University of Oxford
Oxford, Oxfordshire, UNITED KINGDOM

ROOM 2-4: CONCURRENT 4

11:00 – 11:30

GARY G. POEHLING AWARD FINALISTS

PAPER #76

All-Endoscopic Distal Biceps Repair: Cadaveric Portal Safety Analysis and Technical Feasibility Using Two Fixation Techniques

Deepak N. Bhatia, MS(Orth), DNB(Orth)
Mumbai, INDIA

Sportsmed Mumbai, Seth GS Medical College and King Edward VII Memorial Hospital
Mumbai, INDIA

PAPER #77

Analysis of 784 Surgically Treated Distal Biceps Tendon Ruptures

Taylor Richardson Dunphy, MD
Santa Monica, CA, UNITED STATES

Justiin Hudson, MD, Los Angeles, CA, UNITED STATES
Daniel Acevedo, MD, Calabasas, CA, UNITED STATES
Michael Batech, DrPH, Pasadena, CA, UNITED STATES
Raffy Mirzayan, MD, Baldwin Park, CA, UNITED STATES

Kaiser Permanente
Baldwin Park, California, UNITED STATES

PAPER #79

Heterotopic Ossification after Arthroscopic Elbow Contracture Release

Jiuzhou Lu, MD, PhD, Shanghai, CHINA

Huashan Hospital, Fudan University
Shanghai, CHINA

ROOM 2-4: CONCURRENT 4**11:45 – 12:00**

SESSION: ELBOW – OCD

PAPER #117

Osteochondral Autograft Transplantation for Osteochondritis Dissecans of the Capitellum: Comparison of Clinical Results Between Central Lesion and Lateral Lesion**Yohei Nishida, MD, Osaka, JAPAN***Yusuke Hashimoto, MD, PhD, Osaka, JAPAN**Takeshi Matsuura, MD, Osaka, JAPAN**Kazuya Nishino, MD, Osaka, JAPAN**Nagakazu Shimada, MD, PhD, Habikino, JAPAN*

Osaka City University Hospital

Osaka, JAPAN

PAPER #118

Prevalence and Characteristics of Osteochondritis Dissecans of the Humeral Capitellum Among Young Baseball Players**Yoshihiro Kotoura, MD, PhD, Kyoto, JAPAN***Toru Morihara, Kyoto, JAPAN**Yoshikazu Kida, MD, PhD, Fukuchiyama, Kyoto, JAPAN**Ryuhei Furukawa, MD, Kyoto, JAPAN**Hisakazu Tachiiri, MD, Kyoto, JAPAN**Toshikazu Kubo, MD, PhD, Kyoto, JAPAN*

Nantan General Hospital

Kyoto, JAPAN

ROOM 2-4: CONCURRENT 4**14:30 – 15:00**

SESSION: ANTERIOR KNEE PAIN

PAPER #119

Grade 3 (T1rho+) Chondromalacia Patella (CMP) can be Persistently Asymptomatic if Joint Homeostasis is Achieved and Maintained: Clinical Implications**Scott F. Dye, MD****San Francisco, CA, UNITED STATES***Mailene Chew, MD, San Francisco, CA, UNITED STATES*

California Pacific Medical Center

San Francisco, California, UNITED STATES

PAPER #120

Lateral Release for Anterior Knee Pain Without Instability. Outcome Evaluation at Long Term Follow Up**Luca Dei Giudici, MD, Ancona, ITALY***Andrea Faini, MD, Ancona, ITALY**Valentino Coppa, MD, Ancona, ITALY**Antonio Gigante, Ancona, ITALY*

Clinical Orthopaedic, DISCLIMO,

Università Politecnica delle Marche

Ancona, ITALY

PAPER #121

Subchondroplasty for the Treatment of Post-Traumatic Bone Marrow Lesions of the Medial Femoral Condyle in a Pre-Clinical Canine Model**Seth Lawrence Sherman, MD****Columbia, MO, UNITED STATES***Olubusola Brimmo, MD, Columbia, MO, UNITED STATES**Chantelle C. Bozynski, DVM, MS**Columbia, MO, UNITED STATES**Keiichi Kuroki, DVM, PhD**Columbia, MO, UNITED STATES**Cristi R. Cook, DVM, MS**Columbia, MO, UNITED STATES**James L. Cook, DVM, PhD**Columbia, MO, UNITED STATES*

University of Missouri

Columbia, Missouri, UNITED STATES

PAPER #122

Clinical Results of PST (Pulsed Signal Therapy) on Anterior Knee Pain with Patellar Chondropathy: A Randomized Prospective Study**Marco Kawamura Demange, MD, PhD****São Paulo, BRAZIL***Riccardo Gomes Gobbi, MD, São Paulo, BRAZIL**Adriana Pastore Silva, São Paulo, BRAZIL**José Ricardo Pécora, Prof., São Paulo, BRAZIL**Gilberto Luis Camanho, MD, São Paulo, BRAZIL*

University of São Paulo

São Paulo, BRAZIL

PAPER #123

Morphology of Patellofemoral (PF) Cartilage Wear Location in Cartilage Restoration Patients without Known PF Instability**Felipe Ambra, MD, São Paulo, BRAZIL***Elizabeth A. Arendt, MD**Minneapolis, MN, UNITED STATES**Andreas H. Gomoll, MD, Boston, MA, UNITED STATES**Julie Agel, MA, Minneapolis, MN, UNITED STATES**Will Freking, MS II, Minneapolis, MN, UNITED STATES**Jack Farr, MD, Greenwood, IN, UNITED STATES*

University of Minnesota

Minneapolis, Minnesota, UNITED STATES

TUESDAY, JUNE 6, 2017

ROOM 301: GENERAL SESSION

16:30 – 17:30

SESSION: GONG SHOW – LOWER LIMB

PAPER #124

Cut-Off Value for Medial Meniscal Extrusion for Knee Pain

Hiroaki Kijima, MD, PhD, Akita, JAPAN

Naohisa Miyakoshi, MD, PhD, Akita, JAPAN

Yuji Kasukawa, MD, PhD, Akita, JAPAN

Yoshinori Ishikawa, MD, PhD, Akita, JAPAN

Hayato Kinoshita, MD, PhD, Akita, JAPAN

Kentaro Ohuchi, MD, PhD, Akita, JAPAN

Masazumi Suzuki, MD, PhD, Akita, JAPAN

Nozomi Kaga, MD, PhD, Akita, JAPAN

Chie Sato, MD, Akita, Akita, JAPAN

Shuichi Chida, MD, PhD, Akita, JAPAN

Yoichi Shimada, MD, PhD, Prof., Akita, JAPAN

Akita University

Akita, JAPAN

PAPER #125

T2-Mapping Relaxation Time Correlates with Histopathological Degree of Degeneration in Meniscal Tissue

Duncan E. Meuffels, MD, PhD

Rotterdam, NETHERLANDS

Susanne Martine Eijgenraam, MD

Rotterdam, NETHERLANDS

Edwin Oei, MD, PhD, Rotterdam, NETHERLANDS

Max Reijman, MD, Rotterdam, NETHERLANDS

Erasmus MC

Rotterdam, NETHERLANDS

PAPER #126

Devising a Histology-based MRI Classification for Meniscus Degeneration in Osteoarthritic Knees for Improved Representation of Tissue Quality and Degree of Osteoarthritis

Do Young Park, MD

Kyounggi-do, REPUBLIC OF KOREA

Byoung Hyun Min, MD

Kyounggi-do, REPUBLIC OF KOREA

Jun Young Chung, MD

Kyounggi-do, REPUBLIC OF KOREA

Doohyung Lee, MD, Prof.

Kyounggi-do, REPUBLIC OF KOREA

Xiang Yun Yin, MD, Gyeonggi-do, REPUBLIC OF KOREA

Ajou University

Suwon-si, Gyeonggi-do, REPUBLIC OF KOREA

PAPER #127

Novel Techniques for Repairing Radial Meniscus Tear

Guanqi Hang, MSc, Singapore, SINGAPORE

Andy Yew, PhD, Singapore, SINGAPORE

Denny TT Lie, MBBS, FRCS, FAMS

Singapore, SINGAPORE

Duke-NUS Medical School and

Singapore General Hospital

Singapore, SINGAPORE

PAPER #128

Meniscus Repair Outcomes in the Revision ACL Reconstruction Setting: Results from the Mars Group

Rick W. Wright, MD, St. Louis, MO, UNITED STATES

Washington University

St. Louis, Missouri, UNITED STATES

PAPER #129

Arthroscopic Treatment of Mucoïd Degeneration of the Anterior Cruciate Ligament

Jingmin Huang, MD, Tian Jin, CHINA

Tianjin Orthopaedic Hospital

Tianjin, CHINA

PAPER #130

Fatigue has a Different Effect on the Biomechanics of Drop Vertical Jump

Kengo Harato, MD, PhD, Tokyo, JAPAN

Yuutaro Morishige, MD, Hino City, JAPAN

Shu Kobayashi, MD, PhD, Tokyo, JAPAN

Yasuo Niki, MD, PhD, Tokyo, JAPAN

Toshiro Otani, MD, PhD, Tokyo, JAPAN

Hideo Matsumoto, MD, PhD, Tokyo, JAPAN

Takeo Nagura, MD, Tokyo, JAPAN

Keio University School of Medicine

Tokyo, JAPAN

PAPER #131

Complete Posterior Lateral Meniscal Root Lesion is Associated with High-Grade Pivot-Shift Phenomenon in Noncontact Anterior Cruciate Ligament Injuries

Guanyang Song, MD, Beijing, CHINA

Hua Feng, MD, Beijing, CHINA

Sports Medicine Service, Beijing Jishuitan Hospital

Beijing, CHINA

PAPER #132

No Differences in the Improvement of Subjective Knee Function between Surgical Techniques of Single-Bundle Anterior Cruciate Ligament Reconstruction at Two Years Follow-Up – A Cohort Study from the Swedish National Knee Ligament Register

Eric Hamrin-Senorski, PT, MSc
Gothenburg, SWEDEN

David Stefan Sundemo, MD

Stenungsund, Västra götaland, SWEDEN

Christopher D. Murawski, BS

Pittsburgh, PA, UNITED STATES

Eduard Alentorn-Geli, MD, PhD, Barcelona, SPAIN

Volker Musahl, MD, Pittsburgh, PA, UNITED STATES

Freddie H. Fu, MD, Pittsburgh, PA, UNITED STATES

Neel Desai, MD, PhD, Mölndal, SWEDEN

Anders Stalman, MD, PhD, Saltsjöbaden, SWEDEN

Kristian Samuelsson, Associate Professor, MD, PhD, MSc

Mölndal, SWEDEN

Department of Orthopaedics, Institute of Clinical Sciences,
 The Sahlgrenska Academy, University of Gothenburg
 Gothenburg, SWEDEN

PAPER #133

Prospective, Randomized Trial to Evaluate the Efficacy of Floseal and Tranexamic Acid After Primary Total Knee Arthroplasty

Camilo Partezani Helito, MD, São Paulo, BRAZIL

Marcelo Batista Bonadio, MD, São Paulo, BRAZIL

Pedro Nogueira Giglio, São Paulo, BRAZIL

Roberto Freire da Mota e Albuquerque, MD, PhD

São Paulo, BRAZIL

Riccardo Gomes Gobbi, MD, São Paulo, BRAZIL

José Ricardo Pécora, Prof., São Paulo, BRAZIL

Gilberto Luis Camanho, MD, São Paulo, BRAZIL

Marco Kawamura Demange, MD, PhD

São Paulo, BRAZIL

University of São Paulo
 São Paulo, BRAZIL

PAPER #134

The Seasonal Variation of Primary Total Knee Arthroplasty Infection Rates

Ben Parkinson, MBBS, FRACS, FAOrthA
Edge Hill, AUSTRALIA

Drew Armit, MBBS, FRACS, FAOrthA, Cairns
 QLD, AUSTRALIA

Michael Reid, MBChB, MRCS, MD, MSc, FRCS, FRACS,
 Dip (SEM), FAOA, Whitfield, QLD, AUSTRALIA

Peter James McEwen, MBBS FRACS(Orth) FAOrthA

DipModLang, Pimlico, QLD, AUSTRALIA

Michelle Lorimer, BSc (Hons), Adelaide, SA, AUSTRALIA

Ian A. Harris, MB, BS, Sydney, NSW, AUSTRALIA

Cairns Hospital

Cairns, Queensland, AUSTRALIA

PAPER #135

Success of Debridement and Implant Retention for Periprosthetic Joint Infection in TKA – Does the Surgeon Matter?

Simon W. Young, MD, FRACS
Auckland, NEW ZEALAND

Mark Zhu, MBChB, Auckland, NEW ZEALAND

Saiprasad Ravi, MBChB, Auckland, NEW ZEALAND

Richard Cowley, MBChB, Auckland, NEW ZEALAND

Chris Luey, MBChB, Auckland, NEW ZEALAND

North Shore Hospital

Auckland, NEW ZEALAND

ROOM 2 – 1: CONCURRENT 2

11:30 – 12:00

SESSION: ISAKOS RESEARCH STUDIES

PAPER #136

Drop Vertical Jump Landing Mechanics Following Anterior Cruciate Ligament Reconstruction With And Without Lateral Extra-Articular Tenodesis – Six Month Results from the ISAKOS Sponsored Stability Study

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

Michal Daniluk, MD, London, ON, CANADA

Robert Litchfield, MD, FRCSC, London, ON, CANADA

Dianne Margaret Bryant, PhD, London, ON, CANADA

Christopher Hewison, BSc, London, ON, CANADA

Kevin Willits, London, ON, CANADA

Trevor B. Birmingham, PT, PhD, London, ON, CANADA

Fowler Kennedy Sport Medicine Clinic,

University of Western Ontario

London, Ontario, CANADA

PAPER #138

Is CFL Repair Necessary During Lateral Ankle Ligament Stabilization? A Biomechanical Comparison of Repair Techniques

Kenneth J. Hunt, MD, Aurora, CO, UNITED STATES

Pieter D'Hooghe, MD, Doha, QATAR

Hélder Miguel Duarte Pereira, MD

Vila Do Conde, PORTUGAL

Richard Fuld, BA, Denver, CO, UNITED STATES

Nicholas Anderson, BS

Broomfield, CO, UNITED STATES

Todd H. Baldini, MS, Denver, CO, UNITED STATES

Judas Zed Kelley, BA, Lakewood, CO, UNITED STATES

University of Colorado School of Medicine

Aurora, Colorado, UNITED STATES

TUESDAY, JUNE 6, 2017 (cont.)

ROOM 2 – 1: CONCURRENT 2

11:30 – 12:00

SESSION: ISAKOS RESEARCH STUDIES (CONT.)

PAPER #139

Ankle and Subtalar Joint Kinematics Following Lateral Ligament Repair – Implications for Early Surgical Treatment

Hélder Miguel Duarte Pereira, MD
Vila Do Conde, PORTUGAL

Pieter D'Hooghe, MD, Doha, QATAR
Nicholas Anderson, BS, Broomfield, CO, UNITED STATES
Richard Fuld, BA, Denver, CO, UNITED STATES
Judas Zed Kelley, BA, Lakewood, CO, UNITED STATES
Todd H. Baldini, MS, Denver, CO, UNITED STATES
Isakos Laf Committee, MD, Denver, CO, UNITED STATES
Kenneth J. Hunt, MD, Aurora, CO, UNITED STATES

University of Colorado
Aurora, Colorado, UNITED STATES

ROOM 2 – 1: CONCURRENT 2

13:30 – 14:00

SESSION: SPORTS MEDICINE

PAPER #142

The Epidemiology of Injuries Identified at the NFL Scouting Combine and their Impact on Performance in the National Football League: 2,203 Athletes, 2009 – 2015

Matthew T. Provencher, MD
Vail, CO, UNITED STATES

Brendin Beaulieu-Jones, Hanover, NH, UNITED STATES
George Sanchez, Vail, CO, UNITED STATES
Bryan Vopat, Providence, RI, UNITED STATES
Catherine Logan, MD, Brookline, MA, USA
Mark David Price, MD, Worchester, MA, UNITED STATES

Massachusetts General Hospital
Boston, Massachusetts, UNITED STATES

PAPER #143

Concussive Injuries in Rugby-7s: A Developing Nation's Experience with a Growing Amateur Sport

Victor Lopez Jr., DO, PhD (2018)
Franklin Square, NY, UNITED STATES

Richard Ma, MD, Columbia, MO, UNITED STATES
Meryle G. Weinstein, PhD
New York, NY, UNITED STATES
Patria A. Hume, PhD, Auckland, NEW ZEALAND
Robert C. Cantu, MD, PhD, Boston, MA, UNITED STATES
Christian Victoria, BA, New York, NY, UNITED STATES
Answorth A. Allen, MD, New York, NY, UNITED STATES

Rugby Research and Injury Prevention Group,
Hospital for Special Surgery
New York, New York, UNITED STATES

PAPER #144

Does Overexertion Correlate with Increased Injury? The Relationship Between Player Load and Soft Tissue Injury in Professional American Football Players Utilizing Wearable Technology

Ryan Li, MD, Cleveland, OH, UNITED STATES

Sagar Rambhia, BS, Cleveland, OH, UNITED STATES
Joe Sheehan, ATC, Cleveland, OH, UNITED STATES
Michael J. Salata, MD, Cleveland, OH, UNITED STATES
James E. Voos, MD, Cleveland, OH, UNITED STATES

University Hospitals Case Medical Center
Cleveland, Ohio, UNITED STATES

PAPER #146

Return to Sports After Chronic Anterior Exertional Compartment Syndrome of the Leg: Conservative Treatment vs. Surgery

Ran Thein, MD, Tel-Hashomer, ISRAEL

Ido Tilbor, MD, Tel-Hashomer, ISRAEL
Amir Herman, MD, PhD, Tel-Hashomer, ISRAEL
Gideon Burstein, MD, Ramat Efal, Israel, ISRAEL
Shay Tenenbaum, MD, Tel-Hashomer, ISRAEL

Sheba Medical Center
Tel-Hashomer, ISRAEL

ROOM 2 – 1: CONCURRENT 2

16:30 – 17:00

JOHN J. JOYCE AWARD
FINALIST PRESENTATIONS

PAPER #257

The Management of the Long Head of the Biceps in Rotator Cuff Repair: Prospective Cohort Study of High vs. Subpectoral Tenodesis

Edoardo Franceschetti, MD, Rome ITALY

Alessio Palumbo, MD, Rome, ITALY
Michele Paciotti, MS, Roma, ITALY
Luca La Verde, MD, Roma, ITALY
Michele Attilio Rosa, Messina, Sicily, ITALY
Rocco Papalia, MD, PhD, Prof., Rome, ITALY
Nicola Maffulli, MD, PhD, MS, FRCS(Orth)
London, UNITED KINGDOM
Francesco Franceschi, MD, PhD, Rome, ITALY

Campus Bio Medico
Roma, ITALY

PAPER #258

Increased Knee Laxity with Medial Meniscus Resection: A Prospective Study of 4,497 Patients with ACL Reconstruction

Riccardo Cristiani, MD, Perugia ITALY

Bjorn Engstrom, MD, PhD, Assoc. Prof.

Spanga, SWEDEN

Magnus Forssblad, MD, PhD, Stockholm, SWEDEN

Anders Stalman, MD, PhD, Saltsjöbaden, SWEDEN

Stockholm Sports Trauma Research Center,

Capio Artro Clinic, Sophiahemmet

Stockholm, SWEDEN

PAPER #259

High Activity Level and Return to Sports Following Knee Osteotomy in Young Athletic Patients

Suzanne Witjes, MD, Dublin IRELAND

Jillian Jung, BMedSc, London, ON, CANADA

Robert Litchfield, MD, FRCSC, London, ON, CANADA

Kevin Willits, London, ON, CANADA

Dianne Margaret Bryant, PhD, London, ON, CANADA

Rutger van Geenen, MD, PhD, Breda, NETHERLANDS

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

Amsterdam, NETHERLANDS

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

London, ON, CANADA

Fowler Kennedy Sports Medicine Clinic

London, Ontario, CANADA

PAPER #260

Identifying The Hidden Zone of The Far Posterior Femoral Cartilage Not Visible During Routine Knee Arthroscopy

Sean Rajae, MD, MS

Los Angeles, CA, UNITED STATES

Mark Sando, MD, Tampa, FL, UNITED STATES

Joseph Liu, MD, Los Angeles, CA, UNITED STATES

Michael Banffy, MD, Los Angeles, CA, UNITED STATES

Orr Limpisvasti, Seal Beach, CA, UNITED STATES

John V Crues III, MD, Los Angeles, CA, UNITED STATES

Cedars-Sinai Medical Center

Los Angeles, California, UNITED STATES

ROOM 2 - 1: CONCURRENT 2

17:00 - 17:30

SESSION: ARTHROSCOPY

PAPER #147

Defining the Learning Curve for Hip Arthroscopy: A Threshold Analysis of the Volume-Outcomes Relationship

Stephen L. Lyman, PhD

New York, NY, UNITED STATES

Nabil Mehta, BSE, New York, NY, UNITED STATES

Peter Chamberlin, BFA, New York, NY, UNITED STATES

Robert G. Marx, MD, MSc, FRCSC

New York, NY, UNITED STATES

Chisa Hidaka, MD, New York, NY, UNITED STATES

Yile Ge, MS, New York, NY, UNITED STATES

Ting Jung Pan, MPH, New York, NY, UNITED STATES

Danyal H. Nawabi, MD, FRCS (Orth)

New York, NY, UNITED STATES

Hospital for Special Surgery

New York, New York, UNITED STATES

PAPER #149

Comparison of the Accuracy and Reproducibility of the Femoral Tunnel Location Between Anterior and Posterior Viewing During Outside-In Anterior Cruciate Ligament Reconstruction

Yong Seuk Lee, MD, PhD, Prof.

Seongnam, REPUBLIC OF KOREA

Jin Hwan Ahn, MD, Seoul, REPUBLIC OF KOREA

Taeg Su Ko, MD, Seoul, REPUBLIC OF KOREA

Seoul National University Bundang Hospital

Seongnam, Kyung-gi, REPUBLIC OF KOREA

PAPER #150

Risk Factors Analysis of Venous Thromboembolism Events after Knee Arthroscopy: A Case-Control Study

Xiaoxu Wang, Prof., Hengyang, CHINA

Xue Xia, Graduate student

Hengyang, Hunan Province, CHINA

The Second Affiliated Hospital of the

University of South China

Hengyang, Hunan Province, CHINA

PAPER #151

Histopathological Audit of Arthroscopic Synovial Biopsies Done for Persistent Knee Effusions

Thando Ncube, MBChB

Johannesburg, SOUTH AFRICA

Sebastian Magobothe, MBChB, FCS (Ortho) SA,

Johannesburg, SOUTH AFRICA

University of the Witwatersrand

Johannesburg, SOUTH AFRICA

TUESDAY, JUNE 6, 2017 (cont.)

ROOM 2-3: CONCURRENT 3

11:30 – 12:00

SESSION: ROTATOR CUFF REPAIR

PAPER #152

Which is Better Between Conventional En Masse Repair vs. Separate Double-Layer Double-Row Repair for the Treatment of Delaminated Rotator Cuff Tears: A Prospective Randomized Study

Yang-Soo Kim, MD, PhD, Prof.
Seoul, REPUBLIC OF KOREA

Hyo-Jin Lee, MD, Prof., Seoul, REPUBLIC OF KOREA
In Park, MD, Seoul, REPUBLIC OF KOREA
Hong-Ki Jin, MD, Busan, REPUBLIC OF KOREA
Dong-Hyuk Sun, MD, Seoul, REPUBLIC OF KOREA
Sung-Ryeoll Park, MD, Seoul, REPUBLIC OF KOREA
Jin Hong Kim, MD, Seoul, REPUBLIC OF KOREA
Dong-Jin Kim, MD, Seoul, REPUBLIC OF KOREA
Jong-Ho Kim, MD, Seoul, REPUBLIC OF KOREA

Seoul St. Mary's Hospital, The Catholic University of Korea
Seoul, REPUBLIC OF KOREA

PAPER #153

Preliminary Results of Arthroscopic Superior Capsule Reconstruction with Dermal Allograft

Patrick J. Denard, MD
Medford, OR, UNITED STATES

John Tokish, MD, Simpsonville, SC, UNITED STATES
Paul C. Brady, MD, Knoxville, TN, UNITED STATES
Stephen S. Burkhart, MD
San Antonio, TX, UNITED STATES

Southern Oregon Orthopedics
Medford, Oregon, UNITED STATES

PAPER #154

Challenge for Biological Healing of Massive Rotator Cuff Tears with Muscle Advancement and Absorbable Biomaterial Augmentation

Shin Yokoya, MD, PhD, Hiroshima, JAPAN

Katsunori Shiraishi, MD, Hiroshima, JAPAN
Hiroshi Negi, MD, Hiroshima, JAPAN
Ryosuke Matsushita, MD, Hiroshima, JAPAN
Yu Mochizuki, MD, Hiroshima, JAPAN
Nobuo Adachi, MD, PhD, Hiroshima, JAPAN
Mitsuo Ochi, MD, PhD, Hiroshima, JAPAN

Hiroshima University
Hiroshima City, Hiroshima, JAPAN

PAPER #155

Arthroscopic Superior Capsular Reconstruction with Minimally Invasive Harvested Fascia Lata Autograft: Prospective Study of Donor Site Morbidity

Catarina Ângelo, MD, Lisboa, PORTUGAL

Luis Sobral, MD, Lisboa, PORTUGAL
Clara Azevedo, MD, Lisboa, PORTUGAL

Hospital de São Francisco Xavier –
Centro Hospitalar de Lisboa Ocidental
Lisboa, PORTUGAL

PAPER #156

A Simulation Study of Latissimus Dorsi Tendon Transfer (LDTT) for Irreparable Massive Rotator Cuff Tears (MRCT): Investigating the Ideal Fixation Point

Qingxiang Hu, MD, Shanghai, CHINA

Yaohua He, MD, Shanghai, CHINA

Shanghai Sixth Hospital
Shanghai, CHINA

ROOM 2-3: CONCURRENT 3**13:30 – 14:15**

SESSION: OSTEOTOMY

PAPER #157

Does Subchondral Bone Marrow Edema Have Effect on Outcome of Medial Open Wedge High Tibial Osteotomy?**Wonchul Choi, MD, PhD****Seongnam-Si, REPUBLIC OF KOREA***Banghyun Kim, MD, Bundang-Gu, Seongnam-Si, Gyeonggi-do, REPUBLIC OF KOREA**Uk Kim, MD, Bundang-Gu, Seongnam-Si, Gyeonggi-do, REPUBLIC OF KOREA**Hyunsoo Ok, MD, Bundang-Gu, Seongnam-Si, Gyeonggi-do, REPUBLIC OF KOREA**Jae-Hwa Kim, PhD, Prof.**Seung Nam, Kyenggi, REPUBLIC OF KOREA**Department of Orthopaedic Surgery, CHA University, Bundang CHA Medical Center
Sungnam-si, Gyeonggi-do, REPUBLIC OF KOREA*

PAPER #158

Articular Cartilage Changes in MRI T1-rho and T2 Mapping in an Open-Wedge Osteotomy of the Proximal Tibia with Hemicallosis for the Medial Knee Osteoarthritis**Eiichi Nakamura, MD, PhD, Kumamoto, JAPAN***Hiroaki Nishioka, MD, PhD, Kumamoto, JAPAN**Nobukazu Okamoto, MD, PhD, Kumamoto, JAPAN**Soichiro Yamabe, MD, PhD, Kumamoto, JAPAN**Tetsuro Masuda, MD, PhD, Kumamoto, JAPAN**Daisuke Shiraishi, MD, PhD, Kumamoto, JAPAN**Hiroshi Mizuta, MD, PhD, Kumamoto, JAPAN**Department of Orthopaedic Surgery, Faculty of Life Sciences, Kumamoto University
Kumamoto, JAPAN*

PAPER #159

Comparison of Patellofemoral Geometry Between Opening Wedge and Hybrid High Tibial Osteotomy**Shuhei Otsuki, MD, PhD, Takatsuki, JAPAN***Yoshinori Okamoto, MD, PhD, Takatsuki, Osaka, JAPAN**Masashi Neo, MD, PhD, Prof., Takatsuki, JAPAN**Osaka Medical College
Takatsuki, Osaka, JAPAN*

PAPER #160

Assessment of Unloading Effects after Open Wedge High Tibial Osteotomy Using Quantitative Bone Scintigraphy**Kenichi Goshima, MD, PhD, Toyama, JAPAN***Takeshi Sawaguchi, MD, PhD, Toyama, JAPAN**Kenji Shigemoto, MD, Toyama, JAPAN**Shintaro Iwai, MD, PhD, Toyama, JAPAN**Akira Nakanishi, MD, Toyama, JAPAN**Ken Ueoka, MD, Toyama, JAPAN**Toyama Municipal Hospital**Toyama, JAPAN*

PAPER #161

Second Look Arthroscopic Evaluation of the Cartilage Regeneration After High Tibial Osteotomy with and without Microfracture Procedure in Patients with Grade 3 Medial Femoral Cartilage Lesion**Sang Jin Park, MD, Gwangju, REPUBLIC OF KOREA***Jae Yoon Chung, MD, PhD**Gwangju, REPUBLIC OF KOREA**Segyero Hospital**Gwangju, REPUBLIC OF KOREA*

PAPER #162

Factors Related to High Tibial Osteotomy Outcome: Coronal Alignment Affect More Than Cartilage State**Wonchul Choi, MD, PhD****Sungnam-Si, REPUBLIC OF KOREA***Hyunsoo Ok, MD, Bundang-Gu, Seongnam-Si, Gyeonggi-do, REPUBLIC OF KOREA**Banghyun Kim, MD, Bundang-Gu, Seongnam-Si, Gyeonggi-do, REPUBLIC OF KOREA**Uk Kim, MD, Bundang-Gu, Seongnam-Si, Gyeonggi-do, REPUBLIC OF KOREA**Jae-Hwa Kim, PhD, Prof.**Seung Nam, Kyenggi, REPUBLIC OF KOREA**Department of Orthopaedic Surgery, CHA University, Bundang CHA Medical Center
Sungnam-si, Gyeonggi-do, REPUBLIC OF KOREA*

PAPER #163

Posteromedial Open-Wedge High Tibial Osteotomy to Avoid Posterior Tibial Slope Increase**Elcil Kaya Bicer, MD, Izmir, TURKEY***Hüseyin Kaya, MD, Izmir, TURKEY**Ali Engin Dastan, MD, Izmir, TURKEY**Emin Taskiran, Prof., MD, Izmir, TURKEY**Ege University Faculty Of Medicine, Orthopedics Department, Izmir
Izmir, TURKEY*

TUESDAY, JUNE 6, 2017 (cont.)

ROOM 2-3: CONCURRENT 3

16:30 – 17:00

SESSION: TKA – OUTCOMES

PAPER #164

Why Does Total Knee Arthroplasty Fail in the 21st Century? A Fifteen Year Analysis of 11,134 Knees

Chuan Kong Koh, MBChB
Auckland, NEW ZEALAND

Simon W. Young, MD, FRACS
Auckland, NEW ZEALAND

Saiprasad Ravi, MBChB, Auckland, NEW ZEALAND
Mark Zhu, MBChB, Auckland, NEW ZEALAND
Kelly George Vince, MD, Kamo, NEW ZEALAND

North Shore Hospital
Auckland, NEW ZEALAND

PAPER #165

Comparison of Kinematic and Mechanical Alignment Techniques in Primary Total Knee Arthroplasty: A Meta-Analysis

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

Young-Soo Shin, MD, Seoul, REPUBLIC OF KOREA

Veterans Health Service Medical Center
Seoul, REPUBLIC OF KOREA

PAPER #166

No Difference in Two-Year Functional Outcomes Using Kinematic vs. Mechanical Alignment in TKA: A Randomized Controlled Clinical Trial

Simon W. Young, MD, FRACS,
Auckland, NEW ZEALAND

Matthew Walker, MBChB FRACS
Auckland, NEW ZEALAND

Ali Bayan, MBChB, FRACS, NEW ZEALAND
Toby Briant-Evans, BMed Sci (Hons) BM BS FRCS
(Tr & Orth), Basingstoke, UNITED KINGDOM

Paul Pavlou, FRCS, Auckland, NEW ZEALAND
Bill Farrington, FRCS, Auckland, NEW ZEALAND

North Shore Hospital
Auckland, NEW ZEALAND

PAPER #167

30-Year Survival of the Oxford Mobile Bearing Unicompartamental Knee Arthroplasty

Andrew James Price, DPhil, FRCS(Orth)
Oxford, UNITED KINGDOM

Ulf Svard, Skovde, SWEDEN

Nuffield Orthopaedic Centre
Oxford, UNITED KINGDOM

PAPER #168

The Effect on Long-Term Survivorship of Surgeon Preference for Posterior Stabilized or Minimally Stabilized Total Knee Replacement: An Analysis of 63,416 Prostheses.

Christopher John Vertullo, MBBS, FRACS (Orth),
FAOrthA, Gold Coast, QLD, AUSTRALIA

Peter L. Lewis, MBBS, FRACS (Orth), FAOrthA
Adelaide, SA, AUSTRALIA

Michelle Lorimer, BSc (Hons)
Adelaide, SA, AUSTRALIA

Stephen Graves, MBBS, FRACS, DPhil
Adelaide, SA, AUSTRALIA

Knee Research Australia
Gold Coast, Queensland, AUSTRALIA

ROOM 2-3: CONCURRENT 3

17:00 – 17:30

SESSION: TKA – PATIENT SATISFACTION

PAPER #169

Sports After Total Knee Replacement: Are Intense Contact Sports Possible?

Michel Bercovy, MD, Paris, FRANCE

Clinique ARAGO
Paris, FRANCE

PAPER #170

What Makes Patients of TKR Unhappy? A Study of Subjective Patient Satisfaction

Kailas Dilip Patil, MD, Pune, INDIA

Parag Kantilal Sancheti, MS (Orth), DNB (Orth),
Mch (Orth), FRCS (Ed), Pune, Maharashtra, INDIA
Atul Ashok Patil, MS (Orth), Pune, Maharashtra, INDIA
Ashok Shyam, M Ortho, Pune, Maharashtra, INDIA

Sancheti Institute for Orthopaedics and Rehabilitation
Pune, Maharashtra, INDIA

PAPER #171

Do Patients Feel the Difference; Relationship with Patella Femoral Kinematics and Patient Reported Outcome Measures After Total Knee Arthroplasty

David Martin Dickison, FRACS
Sydney, NSW, AUSTRALIA

Jialong Li, Bachelor of Engineering
Sydney, NSW, AUSTRALIA

Lauren Kark, Bachelor of Engineering
Sydney, NSW, AUSTRALIA

Willy Theodore, Bachelor of Engineering
Sydney, NSW, AUSTRALIA

Elizabeth Kolos, Bachelor of Engineering
Sydney, NSW, AUSTRALIA

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

360 Knee Systems
Sydney, New South Wales, AUSTRALIA

PAPER #172

The Use of Intraoperative Sensors Significantly Increases the Patient-Reported Rate of Improvement in Primary TKA

James Campbell Chow, MD

Paradise Valley, AZ, UNITED STATES

Hedley Orthopaedic Institute

Paradise Valley, Arizona, UNITED STATES

PAPER #173

Differences in Patient Reported Outcomes Between Unicompartamental and Total Knee Arthroplasty: A Propensity Score Matched Analysis

Man Soo Kim, MD, Seoul, REPUBLIC OF KOREA

Yong In, MD, PhD, Seoul, REPUBLIC OF KOREA

In Jun Koh, MD, PhD, Prof.

Seoul, REPUBLIC OF KOREA

Young Jun Choi, MD, Seoul, REPUBLIC OF KOREA

Sueen Sohn, MD, Seoul, REPUBLIC OF KOREA

Keun Young Choi, MD, Seoul, REPUBLIC OF KOREA

Seoul St. Mary's Hospital

Seoul, REPUBLIC OF KOREA

ROOM 2 – 4: CONCURRENT 4

14:30 – 15:00

SESSION: LATERAL
EXTRA-ARTICULAR TENODESIS

PAPER #174

The Effect of Knee Flexion Angle During Graft Fixation on Tibiofemoral Joint Kinematics for Anterolateral Procedures when Combined with Anterior Cruciate Ligament Reconstruction

Andrew A. Amis, FEng, PhD, DSc

London, UNITED KINGDOM

Eivind Inderhaug, MD, MPH, PhD, Boenes, NORWAY

Joanna M. Stephen, PhD, London, UNITED KINGDOM

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

London, UNITED KINGDOM

Imperial College London

London, UNITED KINGDOM

PAPER #175

Anterior Cruciate Ligament Reconstruction with or without a Lateral Extra-Articular Tenodesis – Early Functional Outcomes of the ISAKOS Sponsored Stability Study

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

London, ON, CANADA

Fowler Kennedy Sport Medicine Clinic

University of Western Ontario

London, Ontario, CANADA

PAPER #176

The Effect of Anterolateral Complex Sectioning and a Macintosh Tenodesis on Patellofemoral Joint Contact Pressures and Kinematics

Eivind Inderhaug, MD, MPH, PhD, Boenes, NORWAY

Joanna M. Stephen, PhD, London, UNITED KINGDOM

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

London, UNITED KINGDOM

Andrew A. Amis, FEng, PhD, DSc

London, UNITED KINGDOM

Imperial College

London, UNITED KINGDOM

PAPER #177

Should the Iliotibial Band Defect be Closed After Lateral Tenodesis?

Breck R. Lord, MA, MBBS, MRCS

London, UNITED KINGDOM

Brian M. Devitt, MD, FRCS, FRACS

Melbourne, VIC, AUSTRALIA

Hadi El Daou, PhD, London, UNITED KINGDOM

Joanna M. Stephen, PhD, London, UNITED KINGDOM

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

London, UNITED KINGDOM

Julian A. Feller, FRACS, Melbourne, VIC, AUSTRALIA

Andrew A. Amis, FEng, PhD, DSc

London, UNITED KINGDOM

The Biomechanics Group, Imperial College

London, UNITED KINGDOM

PAPER #178

Engagement Patterns of the Antrolateral Ligament of the Knee

Ran Thein, MD, Tel-Hashomer, ISRAEL

Robert Kent, BS, New York, NY, UNITED STATES

Danyal H. Nawabi, MD, FRCS (Orth)

New York, NY, UNITED STATES

Thomas L. Wickiewicz, MD

New York, NY, UNITED STATES

Carl W. Imhauser, PhD, New York, NY, UNITED STATES

Andrew D. Pearle, MD, New York, NY, UNITED STATES

Hospital for Special Surgery

New York, New York, UNITED STATES

WEDNESDAY, JUNE 7, 2017

ROOM 301: GENERAL SESSION

14:30 – 14:45

SESSION: MENISCUS

PAPER #179

A Pilot Randomised Controlled Trial Comparing Meniscal Allograft Transplantation to Physiotherapy: Clinical Outcomes

Tim Spalding, FRCS(Orth)

Coventry, UNITED KINGDOM

Nick Anthony Smith, MSc, MRCS, BMBS, BMedSci

Solihull, West Midlands, UNITED KINGDOM

Laura Asplin, Coventry, UNITED KINGDOM

Peter Thompson, MBChB

Leamington Spa, Warwickshire, UNITED KINGDOM

Andrew Metcalfe, PhD, Coventry, UNITED KINGDOM

Charles Hutchinson, Prof., Coventry, UNITED KINGDOM

Matt Costa, Prof., Oxford, UNITED KINGDOM

University Hospital Coventry

Coventry, UNITED KINGDOM

PAPER #180

Shrinkage and Extrusion of Graft After Meniscus Allograft Transplantation: Do They Progress and Affect Clinical Outcome?

Uk Kim, MD, Seongnam-Si, REPUBLIC OF KOREA

Wonchul Choi, MD, PhD

Seongnam-Si, Gyeonggi-Do, REPUBLIC OF KOREA

Hyunsoo Ok, MD

Seongnam-Si, Gyeonggi-do, REPUBLIC OF KOREA

Banghyun Kim, MD

Seongnam-Si, Gyeonggi-do, REPUBLIC OF KOREA

Uk Kim, MD

Seongnam-Si, Gyeonggi-do, REPUBLIC OF KOREA

Jae-Hwa Kim, PhD, Prof.

Seung Nam, Kyenggi, REPUBLIC OF KOREA

Department of Orthopaedic Surgery, CHA University,

CHA Bundang Medical Center

Seongnam-Si, Gyeonggi-do, REPUBLIC OF KOREA

ROOM 301: GENERAL SESSION

16:45 – 17:30

SESSION: KNEE – ACL

PAPER #181

Effect of Injury Prevention Training Program on Kinematics of Drop Jump Tasks: Evaluation with Landing Error Scoring System and Three-Dimensional Kinematic Analysis

Takatoshi Morooka, MD, Nishinomiya, JAPAN

Hiroshi Nakayama, MD, Nishinomiya, Hyogo, JAPAN

Makiko Okuno, MD, Nishinomiya, Hyogo, JAPAN

Shunichiro Kambara, MD, Nishinomiya, Hyogo, JAPAN

Tomoya Iseki, MD, Nishinomiya, Hyogo, JAPAN

Ryo Kanto, MD, Nishinomiya, Hyogo, JAPAN

Shintaro Onishi, MD, Nishinomiya, Hyogo, JAPAN

Takeo Nagura, MD, Tokyo, JAPAN

Shinichi Yoshiya, MD, Nishinomiya, Hyogo, JAPAN

Hyogo College of Medicine

Nishinomiya, JAPAN

PAPER #182

Diagnostic Accuracy of Medial Meniscus Posterior Horn Longitudinal Tear an Anterior Cruciate Ligament Deficient Knee with Different Arthroscopic Approaches

Sang Hak Lee, MD, PhD

Seoul, REPUBLIC OF KOREA

Jin Hwan Ahn, MD, Seoul, REPUBLIC OF KOREA

Kyoung Ho Yoon, MD, PhD, Prof.

Seoul, REPUBLIC OF KOREA

Seong Hwan Kim, MD, Seoul, REPUBLIC OF KOREA

Department of Orthopaedic Surgery, Kyung Hee University

Hospital at Gangdong

Seoul, REPUBLIC OF KOREA

PAPER #183

Equivalent Knee Injury and Osteoarthritis Outcome Score after 12 and 24 Months Following Anterior Cruciate Ligament Reconstruction – Results from the Swedish National Knee Ligament Register

Kristian Samuelsson, Associate Professor, MD, PhD, MSc, Mölndal, SWEDEN

Robert A. Magnussen, MD, MPH

Columbus, OH, UNITED STATES

Eduard Alentorn-Geli, MD, PhD, Barcelona, SPAIN

Ferid Krupic, PhD, Gothenburg, SWEDEN

Kurt P. Spindler, MD, Garfield Hts, OH, UNITED STATES

Christer Johansson, MSc, Gothenburg, SWEDEN

Magnus Forssblad, MD, PhD, Stockholm, SWEDEN

Jon Karlsson, Prof., Mölndal, SWEDEN

Department of Orthopedics, Institute of Clinical Sciences,

Sahlgrenska Academy, University of Gothenburg

Gothenburg, SWEDEN

ROOM 2 – 1: CONCURRENT 2
13:45 – 14:15

SESSION: ACHILLES TENDON

PAPER #184
A Novel MRI-Based Classification System for Tibial Eminence Fractures in Pediatric Patients: An Improvement from Meyers and McKeever?
Maria Tuca, MD, New York, NY, UNITED STATES
Eva Luderowski, BS, New York, NY, UNITED STATES
Elizabeth Bishop Gausden, MD
New York, NY, UNITED STATES
Christine Goodbody, BA
Philadelphia, PA, UNITED STATES
Gabrielle Konin, MD, New York, NY, UNITED STATES
Joseph T. Nguyen, MPH, New York, NY, UNITED STATES
Daniel W. Green, MD, New York, NY, UNITED STATES

Hospital for Special Surgery

New York, New York, UNITED STATES

PAPER #185
Routine Culture of Soft Tissue Allografts in Knee Surgery: Do Positive Results Correlate with Clinical Infection?
Andrés Schmidt-Hebbel, MD, Santiago, CHILE
Carlos Jose Gomez, MD, Santiago, CHILE
Carolina Avilés, MD, Santiago, CHILE
Maximiliano Scheu, MD, MMSc, Santiago, CHILE
Gonzalo Felipe Ferrer, MD, FRACS, Santiago, CHILE
Gonzalo Espinoza, MD, Las Condes, Santiago, CHILE

Hospital Clinico Mutual de Seguridad

Santiago, CHILE

PAPER #186
Does Looser Knee have Worse Clinical Outcomes after Anterior Cruciate Ligament (ACL) Reconstruction? Three Year Follow-Up Evaluated by Quantitative Magnetic Resonance Imaging
C. Benjamin Ma, MD
San Francisco, CA, UNITED STATES
Qi Li, PhD, MD, Chengdu, Sichuan, CHINA
Keiko Amano, MD, San Francisco, CA, UNITED STATES
Matthew Tanaka, MD
San Francisco, CA, UNITED STATES
Valentina Padoia, PhD
San Francisco, CA, UNITED STATES
Xiaojuan Li, PhD, San Francisco, CA, UNITED STATES

University of California, San Francisco

San Francisco, California, UNITED STATES

PAPER #187
Relation Between Tunnel Enlargement and Graft Integration, and the Effect of Remnant-Preserved Technique on Tunnel Enlargement after Double-Bundle Anterior Cruciate Ligament Reconstruction with Semitendinosus Autografts
Takuya Naraoka, MD, Hirosaki, JAPAN
Yuka Kimura, MD, Hirosaki, Aomori, JAPAN
Yuji Yamamoto, MD, Hirosaki, Aomori, JAPAN
Eiichi Tsuda, Prof., Hirosaki, Aomori, JAPAN
Yasuyuki Ishibashi, MD, Hirosaki, Aomori, JAPAN

Department of Orthopaedic Surgery, Hirosaki University

Graduate School of Medicine

Hirosaki, Aomori, JAPAN

PAPER #188
Achilles Tendon Length, ATRS and Functional Outcomes Five Years After Acute Achilles Tendon Rupture Treated Conservatively
**Kristoffer Weisskirchner Barfod, MD, PhD
Copenhagen, DENMARK**
Rasmus Kastoft, Medical student
Copenhagen, DENMARK
Jesper Bencke, PhD, Copenhagen, DENMARK
Merete Speedtsberg, MSc, Copenhagen, DENMARK
Rasmus M. Søndergaard, MSc, Copenhagen, DENMARK
Jeanette Ostergaard Penny, MD, PhD
Copenhagen, DENMARK

Copenhagen University Hospital Hvidovre

Copenhagen, DENMARK

PAPER #189
Calf Muscle Atrophy and Achilles Tendon Elongation After Acute Achilles Tendon Rupture
Juuso Heikkinen, MD, Oulu, FINLAND
Ilkka Lantto, MD, Oulu, FINLAND
Tapio Flinkkila, PhD, Oulu, FINLAND
Pertti Siira, Ft, Oulu, FINLAND
Vesa Laine, Ft, Oulu, FINLAND
Jaakko Niinimäki, Prof., Oulu, FINLAND
Pasi Ohtonen, Biost, Oulu, FINLAND
Juhana Leppilähti, Prof., Oulu, FINLAND

Oulu University Hospital

Oulu, FINLAND

PAPER #190
Treatment of Achilles Tendon Rupture: A Cost-Effectiveness Analysis
Scott C. Faucett, MD, MS
Washington, UNITED STATES
Richard A. Seagrave, MD, Ozark, MO, UNITED STATES
James Genuario, MD, Lone Tree, CO, UNITED STATES
Gregory Hildebrand, MD, Minneapolis, MN,
UNITED STATES
Joshua A. Metzl, MD

The Steadman Hawkins Clinics-Denver

Denver, Colorado, UNITED STATES

WEDNESDAY, JUNE 7, 2017 (cont.)

ROOM 2 – 1: CONCURRENT 2

13:45 – 14:15

SESSION: ACHILLES TENDON (CONT.)

PAPER #191

Could Achilles Teendon Ruptures be Associated with Low Serum Free and Total Testosterone Levels

Ermias Abebe, MD, Pittsburgh, PA UNITED STATES

Dana Farrell, BA, Pittsburgh, PA, UNITED STATES

Ivan Tarkin, MD, Pittsburgh, PA, UNITED STATES

Gary S. Gruen, Pittsburgh, PA, UNITED STATES

MaCalus Vinson Hogan, MD

Pittsburgh, PA, UNITED STATES

University of Pittsburg

Pittsburgh, Pennsylvania, UNITED STATES

PAPER #192

Tendoscopy: A Novel Way to Look at an Enigma; Indications, Technique and Results of Managing Tendon Pathologies in Foot and Ankle

Abhishek Kini, DNB(Orthopaedics)

Mumbai, Maharashtra, INDIA

Anant Laxman Joshi, MD, Mumbai, Maharashtra, INDIA

Sportsmed Mumbai

Mumbai, Maharashtra, INDIA

ROOM 2 – 1: CONCURRENT 2

14:30 – 15:00

SESSION: ANKLE – INSTABILITY AND OA

PAPER #193

Significant Increases in Sagittal Translation and Transverse Rotation of the Fibula Occur with Sequential Disruption of the Syndesmosis

Conor I. Murphy, MD

Pittsburgh, PA, UNITED STATES

Thomas Rudolf Pfeiffer, MD

Cologne, Nordrhein-Westphalen, GERMANY

Jason P. Zlotnicki, MD, Pittsburgh, PA, UNITED STATES

Patrick J. Haggerty, BS, Pittsburgh, PA, UNITED STATES

Joseph Russell, BS, College Park, MD, UNITED STATES

MaCalus Vinson Hogan, MD

Pittsburgh, PA, UNITED STATES

Richard Debski, Pittsburgh, PA, UNITED STATES

Volker Musahl, MD, Pittsburgh, PA, UNITED STATES

University of Pittsburgh

Pittsburgh, Pennsylvania, UNITED STATES

PAPER #194

Comparison of Early vs. Delayed Weightbearing Outcomes After Modified Brostrom Procedure for Chronic Lateral Ankle Instability

Min-Cheol Kim, MD

Gwangju, REPUBLIC OF KOREA

Seung-Hyun Yoo, MD, Gwangju, REPUBLIC OF KOREA

Keun-Bae Lee, MD, PhD

Gwangju, REPUBLIC OF KOREA

Department of Orthopedic Surgery, Chonnam National

University Medical School and Hospital

Gwangju, REPUBLIC OF KOREA

PAPER #195

Clinical Results of Arthroscopic Anatomical Reconstruction of the Lateral Ankle Ligaments

Haruki Odagiri, MD, Kumamoto, JAPAN

Stéphane Guillo, MD, Bordeaux-Mérignac, FRANCE

Masato Takao, MD, PhD, Kisarazu, Chiba, JAPAN

Hiroshi Mizuta, MD, PhD, Kumamoto City, JAPAN

Centre de Chirurgie Orthopédique et Sportive de la

Clinique du Sport

Mérignac, Bordeaux, FRANCE

PAPER #196

Mini-Open and Arthroscopic Ankle Arthrodesis

Kanglai Tang, MD, PhD, Prof., Chongqing, CHINA

Zhijin Yang, PhD, Chongqing, Chongqing, CHINA

Department of Orthopedic Surgery, Southwest Hospital,

Third Military Medical University / COA National Training

Center for Foot and Ankle Surgeon

Chongqing, CHINA

PAPER #197

Resource Utilization After Surgery for End-Stage Ankle Arthritis: Comparison Between Ankle Replacement, Open and Arthroscopic Ankle Fusion

Alastair S. Younger, MD, MSc, ChM, FRCSC

Vancouver, BC, CANADA

Jaquie Ngai, MD, Vancouver, BC, CANADA

Hubert Wong, PhD, Vancouver, BC, CANADA

Andrea Veljkovic, MD, MPH, FRCSC, BComm

Vancouver, BC, CANADA

Kevin Wing, MD, FRCSC, Vancouver, BC, CANADA

Murray Penner, Vancouver, BC, CANADA

University of British Columbia

Vancouver, British Columbia, CANADA

ROOM 2 – 1: CONCURRENT 2**16:15 – 16:30**

SESSION: ROTATOR CUFF

PAPER #198

Functional Outcomes and Return to Sports After Arthroscopic Treatment of Rotator Cuff Calcifications in Athletes**Maximiliano Ranalletta, MD**
Buenos Aires, ARGENTINA*Luciano Rossi, MD, Buenos Aires, ARGENTINA**Santiago Luis Bongiovanni, MD**Buenos Aires, ARGENTINA**Gaston Daniel Maignon, MD, Buenos Aires, ARGENTINA**Guillermina Bruchmann, MD, Buenos Aires, ARGENTINA**Adrian Sirio, MD, Buenos Aires, ARGENTINA*

Italian Hospital

Buenos Aires, ARGENTINA

ROOM 2 – 3: CONCURRENT 3**13:30 – 14:00**

SESSION: KNEE – OSTEOTOMY

PAPER #200

Clinical and Radiological Results of Double Level Osteotomy for Varus Knee Osteoarthritis**Hiroshi Nakayama, MD, Nishinomiya, JAPAN***Ryo Kanto, MD, Nishinomiya, Hyogo, JAPAN**Shinichi Yoshiya, MD, Nishinomiya, Hyogo, JAPAN*

Hyogo College of Medicine

Nishinomiya, JAPAN

PAPER #201

Medial Open Wedge High Tibial Osteotomy for Complex Varus Malunited Tibial Plateau Fractures – A Prospective Case Series**Silvampatti Ramasamy Sundararajan, MS (Orth)**
Coimbatore, Tamilnadu, INDIA*Rajasekaran Shanmuganathan, FRCS, PhD**Coimbatore, Tamilnadu, INDIA*

Ganga Hospital

Coimbatore, Tamilnadu, INDIA

PAPER #202

Combined Wedge High Tibial Osteotomy for Large Varus Correction in Patients with Medial Compartment Osteoarthritis**Adham Elsharkawey Elgeidi, MD (Ortho & Tr)**
Mansoura, EGYPT*Roshdy Mostafa Elsallab, MD, Prof., Mansoura, EGYPT**Farouk Youssef, MD, Mansourah, Dakahliah, EGYPT*

Mansoura School of Medicine

Mansoura, EGYPT

PAPER #203

Correction of Tibiofemoral Subluxation after High Tibial Osteotomy: Prospective Comparative Study of Lateral Closing vs. Medial Opening Wedge Osteotomy**Myung Chul Lee, MD, PhD, Prof.**
Seoul, REPUBLIC OF KOREA*Yoonho Kwak, Seoul, REPUBLIC OF KOREA**Junghwan Park, Seoul, REPUBLIC OF KOREA**Hyuk-Soo Han, MD, PhD, Seoul, REPUBLIC OF KOREA*

Department of Orthopaedic Surgery, Seoul National

University College of Medicine, Seoul, Korea

Seoul, REPUBLIC OF KOREA

PAPER #204

No Difference Between a Closing and Opening Wedge High Tibial Osteotomy: 10 Year Results of an RCT**Mark Van Outeren, MD, Rotterdam, NETHERLANDS***Tijs Duivenvoorden, MD, PhD**Rotterdam, NETHERLANDS**Reinoud Brouwer, MD, Groningen, NETHERLANDS**Max Reijman, MD, Rotterdam, NETHERLANDS**Sita Bierma-Zeinstra, MD, Rotterdam, NETHERLANDS**Jan Verhaar, MD, PhD, Prof., Rotterdam, NETHERLANDS*

Erasmus MC

Rotterdam, NETHERLANDS

WEDNESDAY, JUNE 7, 2017 (cont.)

ROOM 2-4: CONCURRENT 4

11:00 – 11:30

SESSION: ACL – OUTCOMES

PAPER #205

Prognostic Factors for Ultra Long Term Outcomes After ACL Reconstruction

Robin Martin, MD, Lausanne, SWITZERLAND

André Berchtold, Prof., Lausanne, SWITZERLAND

Tiago Dos Santos Martinho, Lausanne, SWITZERLAND

Daniel Fritschy, MD, Vessy, SWITZERLAND

Lausanne University Hospital

Lausanne, SWITZERLAND

PAPER #206

A Randomized Clinical Trial Comparing Patellar Tendon, Hamstring Tendon and Double-Bundle ACL Reconstructions: Patient-Reported and Clinical Outcomes at Five-Year Follow-Up

Nick Mohtadi, MD, MSc, FRCSC

Calgary, AB, CANADA

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

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

University of Calgary Sport Medicine Centre

Calgary, Alberta, CANADA

PAPER #207

New Trauma is the Most Common Cause of Revision After Primary Anterior Cruciate Ligament Reconstruction – A Study from the Norwegian Knee Ligament Registry 2004 – 2015

Andreas Persson, MD, Bergen, NORWAY

Knut Andreas Fjeldsgaard, MD, Nesttun, NORWAY

Jan-Erik Gjertsen, MD, PhD, Bergen, NORWAY

Lars Engebretsen, MD, PhD, Oslo/Lausanne, NORWAY

Asle B. Kjellsen, MD, Bergen, NORWAY

Jonas Fevang, MD, PhD, Bergen, NORWAY

Haukeland University Hospital

Bergen, NORWAY

PAPER #208

Revision Surgery in Anterior Cruciate Ligament Reconstruction – A Cohort Study of 17,682 Patients Using the Anatomic Anterior Cruciate Ligament Reconstruction Scoring Checklist Applied to the Swedish National Knee Ligament Register

Kristian Samuelsson, Associate Professor, MD, PhD, MSc, Mölndal, SWEDEN

Neel Desai, MD, PhD, Mölndal, SWEDEN

Daniel Andernord, MD, PhD, Karlstad, SWEDEN

David Stefan Sundemo, MD

Stenungsund, Västra Götaland, SWEDEN

Eduard Alentorn-Geli, MD, PhD, Barcelona, SPAIN

Volker Musahl, MD, Pittsburgh, PA, UNITED STATES

Freddie H. Fu, MD, Pittsburgh, PA, UNITED STATES

Magnus Forssblad, MD, PhD, Stockholm, SWEDEN

Jon Karlsson, Prof., Mölndal, SWEDEN

Sahlgrenska University Hospital

Gothenburg, SWEDEN

PAPER #209

Acute ACL Surgery Decreases First Year Socio Economic Costs Compared to Delayed Reconstruction. A Randomized Controlled Trial

Christoffer Von Essen, MD, Stockholm, SWEDEN

Björn Barenius, MD, PhD, Stockholm, SWEDEN

Karl Eriksson, MD, PhD, Asst. Prof.

Saltsjö-Boo, SWEDEN

Karolinska Institutet

Stockholm, SWEDEN

ROOM 2-4: CONCURRENT 4

11:30 – 12:00

SESSION: ACL – TECHNIQUE

PAPER #210

ACL Reconstruction with a Novel Transtibial Guide System Provides the Benefits of the Anteromedial Portal Technique: A Cadaveric Study

Alexander E. Weber, MD

Los Angeles, CA, UNITED STATES

Jonathan Higgins, BS, Chicago, IL, UNITED STATES

Jason Hamamoto, MD

Los Angeles, CA, UNITED STATES

Lily Bogunovic, MD, St. Louis, MO, UNITED STATES

Kevin J. Campbell, MD, Chicago, IL, UNITED STATES

Bernard R. Bach, Jr., MD, Chicago, IL, UNITED STATES

Brian J. Cole, MD, MBA, Chicago, IL, UNITED STATES

Nikhil N. Verma, MD, Chicago, IL, UNITED STATES

Midwest Orthopaedics at RUSH

Chicago, Illinois, UNITED STATES

PAPER #211

Femoral Aperture Fixation vs. Cortical Fixation for ACL Reconstruction Using Autologous Hamstring Graft: A Computer Navigation Study

Mark Darragh Porter, MD, DSc, FACSP, FRACS, FAOA, Canberra, ACT, AUSTRALIA

Barton Private Hospital
Canberra, Australian Capital Territory, AUSTRALIA

PAPER #212

Five-Strand Hamstrings Autograft vs. Quadruple Hamstrings Autograft, with Graft Diameters 8.0 Millimeters or More, in Anterior Cruciate Ligament Reconstruction: Clinical Outcomes with a Minimum Two Year Follow-Up

Francisco Figueroa, MD, Sydney, NSW, AUSTRALIA

Rafael Calvo, MD, Santiago, CHILE
David Figueroa, MD, Prof., Santiago, CHILE
Alex Vaisman, MD, Santiago, CHILE
Sergio Arellano, MD, Santiago, CHILE

Clinica Alemana – UDD
Santiago, CHILE

PAPER #213

Novel Anatomical Single Bundle ACL Reconstruction Using a Rounded Rectangular Dilator

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

Tatsuhiko Toratani, MD, Kanazawa, Ishikawa, JAPAN
Masahiro Kosaka, MD, Kanazawa, Ishikawa, JAPAN
Yoshinori Ohashi, MD, Kanazawa, Ishikawa, JAPAN
Hitoaki Numata, MD, Kanazawa, Ishikawa, JAPAN
Takeshi Oshima, MD, Kanazawa, Ishikawa, JAPAN
Yasushi Takata, MD, Kanazawa, Ishikawa, JAPAN
Kengo Shimozaki, MD, Kanazawa, Ishikawa, JAPAN
Hiroyuki Tsuchiya, Kanazawa, Ishikawa, JAPAN

Kanazawa University Hospital
Kanazawa, Ishikawa, JAPAN

PAPER #214

A Quantification Analysis of the Intraoperative Contamination of the Anterior Cruciate Ligament Hamstring Autografts

**Abdulaziz Al Omar, MD, MSc, FRCSC
Riyadh, SAUDI ARABIA**

Saud Mohammed Alfayez, MBBS
Riyadh, SAUDI ARABIA
Ali Somily, MD, Riyadh, SAUDI ARABIA

King Saud University
Riyadh, SAUDI ARABIA

ROOM 2-4: CONCURRENT 4

14:15 – 15:00

SESSION: HIP

PAPER #215

Danish Hip Arthroscopy Registry: Capsular Closing in Patients with Femoroacetabular Impingement (FAI). Results of a Matched-Cohort Controlled Study

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

Bjarne Mygind-Klavsen, MD, Aarhus, DENMARK
Soren Winge, Roskilde, DENMARK
Bent Lund, MD, Horsens, DENMARK
Torsten Grønbech, Phys, Aarhus, DENMARK
Niels H.M. Mortensen, Odense C, DENMARK
Otto Kraemer, MD, Vanlose, DENMARK
Per Hölmich, Prof., DMSc, Copenhagen, DENMARK

Aarhus University Hospital
Aarhus, DENMARK

PAPER #216

A Prospective Study Exploring the Relationship Between Hip Capsular Thickness and Joint Hypermobility: Forewarned is Forearmed

**Brian M. Devitt, MD, FRCS, FRACS
Melbourne, AUSTRALIA**

Bjorn Smith, MD FRACS, Brisbane, AUSTRALIA
Robert Stapf, MD, FRCS, Berlin, GERMANY
John M. O'Donnell, MBBS, FRACS, FAOrthA
Hawthorn, VIC, AUSTRALIA

Hip Arthroscopy Australia
Melbourne, Victoria, AUSTRALIA

PAPER #217

Biomechanical Assessment of Hip Capsular Repair and Reconstruction Procedures Using a 6 Degree-of-Freedom Robotic System

**Robert F. LaPrade, MD, PhD
Vail, CO, UNITED STATES**

Christiano A.C. Trindade, MD, Vail, CO, UNITED STATES
Marc J. Philippon, MD, Vail, CO, UNITED STATES
Mary T. Goldsmith, MSc, Vail, CO, UNITED STATES
Matthew T. Rasmussen, BS, Vail, CO, UNITED STATES
Adriana J. Saroki, BSc, Vail, CO, UNITED STATES
Sverre Løken, Oslo, NORWAY

Steadman Philippon Research Institute
Vail, Colorado, UNITED STATES

WEDNESDAY, JUNE 7, 2017 (cont.)

ROOM 2-4: CONCURRENT 4

14:15 – 15:00

SESSION: HIP (CONT.)

PAPER #218

Chondral Flaps in Patients with Femoral Acetabular Impingement Cam Type are Not Suitable for Reattachment and Preservation

Jorge Chahla, MD, Vail, CO, UNITED STATES

Francisco Rodriguez Fontan

Denver, CO, UNITED STATES

Abigail Richards, Undergraduate

New York, NY, UNITED STATES

Michelle Sauque, Research Assistant

Denver, CO, UNITED STATES

Karin Payne, PhD, Denver, CO, UNITED STATES

Cecilia Pascual-Garrido, MD

Aurora, CO, UNITED STATES

Department of Orthopedics, University of Colorado Denver
Aurora, Colorado, UNITED STATES

PAPER #219

Effects of Femoral Torsion and Cam-Impingement on Passive Hip Range of Motion

Omer Mei-Dan, MD, Boulder, CO, UNITED STATES

Matthew J. Kraeutler, MD, Boulder, CO, UNITED STATES

Tigran Garabekyan, MD

Huntington, WV, UNITED STATES

Vivek Chadayammuri, BS, Aurora, CO, UNITED STATES

University of Colorado School of Medicine
Boulder, Colorado, UNITED STATES

PAPER #220

Iliopsoas Related Pathology: Prevalence, Associated Findings, and Surgical Procedures from a Large Multicenter Hip Arthroscopy Study Group

Joshua David Harris, MD

Houston, TX, UNITED STATES

Dean K. Matsuda, MD

Marina Del Rey, CA, UNITED STATES

Shane Nho, MD, Chicago, IL, UNITED STATES

Andrew Wolff, MD, Mc Lean, VA, UNITED STATES

John Christoforetti, MD, Pittsburgh, PA, UNITED STATES

John Salvo, MD, Voorhees, NJ, UNITED STATES

Benjamin Kivlan, PhD, DPT

Philadelphia, PA, UNITED STATES

Thomas J. Ellis, MD, UNITED STATES

Geoffrey S. Van Thiel, MD, MBA

Chicago, IL, UNITED STATES

Allston J. Stubbs, MD, WS, NC, UNITED STATES

Dominic Carreira, Ft. Lauderdale, FL, UNITED STATES

Multiple centers

Marina del Rey, California, UNITED STATES

PAPER #221

Clinical Outcome and Return to Play Following Endoscopic Shelf Acetabuloplasty for Treating Hypermobile Athlete with Hip Dysplasia

Shiho Kanezaki, MD, PhD, Kawasaki, JAPAN

Hajime Utsunomiya, MD, PhD, Vail, CO, UNITED STATES

Cecilia Pascual-Garrido, MD

Aurora, CO, UNITED STATES

Hirota Nakashima, MD, Fukuoka, JAPAN

Akihisa Hatakeyama, MD, Fukuoka, JAPAN

Yoichi Murata, MD, Fukuoka, JAPAN

Akinori Sakai, Fukuoka, JAPAN

Soshi Uchida, MD, PhD, Fukuoka, JAPAN

Wakamatsu Hospital of UOEH

Fukuoka, JAPAN

PAPER #222

Return to Driving after Hip Arthroscopy

Adam Kwapisz, MD, PhD, Łódź, POLAND

Amit Momaya, MD, Greenville, SC, UNITED STATES

Despina Stavrinos, PhD

Birmingham, AL, UNITED STATES

Benjamin Mcmanus, MA

Birmingham, AL, UNITED STATES

Shannon Michelle Wittig, MA

Birmingham, AL, UNITED STATES

Benton Emblom, MD, Birmingham, AL, UNITED STATES

Reed Estes, MD, Birmingham, AL, UNITED STATES

University of Alabama at Birmingham, Sports Medicine
Birmingham, Alabama, UNITED STATES

ROOM 2 – 4: CONCURRENT 4**16:45 – 17:30**

SESSION: TKA – GAIT ANALYSIS

PAPER #223

Dynamic Knee Rotation – A Novel Way to Quantify Stability in the Gait Laboratory**Kah Weng Lai, FRCSEd (Ortho)**
Singapore, SINGAPORE*Darren Koh, MBBS, Singapore, SINGAPORE*
*Erica Kholinne, MD, Jakarta, INDONESIA*National University Hospital
Singapore, SINGAPORE

PAPER #224

The Effect of Total Knee Arthroplasty on Active Knee Extension During Treadmill Walking**Brett Fritsch, MBBS, BSc(Med)**
Hunters Hill, NSW, AUSTRALIA*David Anthony Parker, MBBS, BMedSci, FRACS*
*Sydney, NSW, AUSTRALIA**Aaron Beach, PhD, Sydney, NSW, AUSTRALIA**Myles Raphael James Coolican, FRACS*
*Sydney, NSW, AUSTRALIA**Brett A. Fritsch, MBBS, BSc(Med)*
*Hunters Hill, NSW, AUSTRALIA**Corey Scholes, PhD, Artarmon, NSW, AUSTRALIA*Sydney Orthopaedic Research Institute
Chatswood, New South Wales, AUSTRALIA

PAPER #225

Knee Biomechanics After Replacement Surgery (KBARS) – Kinematic and Electromyographic Comparison of Posterior-Stabilised, Cruciate-Retaining and Medial-Pivot Designs During Locomotion**David Anthony Parker, MBBS, BMedSci, FRACS**
Sydney, NSW, AUSTRALIA*Aaron Beach, PhD, Sydney, NSW, AUSTRALIA**Gianmarco Regazzola, MD*
*Kensington, NSW, AUSTRALIA**Myles Raphael James Coolican, FRACS*
*Sydney, NSW, AUSTRALIA**Richard Verheul, FRACS, Newcastle, NSW, AUSTRALIA*Sydney Orthopaedic Research Institute
Chatswood, New South Wales, AUSTRALIA

PAPER #226

Comparison of Outcome and Gait Analysis after Robotic Total Knee Arthroplasty Between Mechanical and Kinematic Knee Alignment Methods with Average Eight Years Follow Up**Jong-Keun Seon, MD, PhD, Hwasun,**
REPUBLIC OF KOREA*Eun Kyoo Song, Prof., MD, PhD**Gwangju, REPUBLIC OF KOREA**Dong-Hyun Lee, MD, Gwang-Ju, REPUBLIC OF KOREA**Jehyoung Yeo, MD, Gwangju, REPUBLIC OF KOREA**Cheng Jin, Fellow, Gwangju, REPUBLIC OF KOREA*Center for Joint Disease, Chonnam National University
Hwasun Hospital

Hwasun, Chonnam, REPUBLIC OF KOREA

PAPER #227

Influence of Posterior Cruciate Ligament Tension on Knee Kinematics and Kinetics**Muhammad Shoifi, MD, Surabaya, INDONESIA***Shinichiro Nakamura, MD, PhD, Kyoto, JAPAN**Shinichi Kuriyama, MD, Kyoto, JAPAN**Hiromu Ito, MD, PhD, Kyoto, JAPAN**Shuichi Matsuda, MD, PhD, Kyoto, JAPAN*Department of Orthopaedic Surgery Kyoto University
Kyoto, JAPAN

PAPER #228

Gait Analysis in Kinematic vs. Mechanical Alignment in Total Knee Joint Arthroplasty (TKA) – A Randomized Trial**Simon W. Young, MD, FRACS**
Auckland, NEW ZEALAND*Richard Kelly, MBChB, Auckland, NEW ZEALAND**Nicholas Dominick, PhD, Auckland, NEW ZEALAND**Peter McNair, Auckland, NEW ZEALAND**Mark Boocock, PhD, Auckland, NEW ZEALAND*North Shore Hospital
Auckland, NEW ZEALAND

THURSDAY, JUNE 8, 2017

ROOM 301: GENERAL SESSION

10:15 – 11:00

SESSION: MULTILIGAMENT INJURIES & PCL

PAPER #229

Posterior Cruciate Ligament Tibial Avulsion Fracture a Novel Arthroscopic Fixation Technique vs. Open Posterior Fixation

Mohamed Aboelnour Badran, MD
Mansoura, Dakahlia, EGYPT

Adham Elsharkawey Elgeidi, MD (Ortho & Tr)
Mansoura, Dakahlia, EGYPT
Abd Elrahman Ahmed Elganainy, MD
Mansoura, Daqahlia, EGYPT
Roshdy Mostafa Elsallab, MD, Prof.
Mansoura, Dakahlia, EGYPT

Mansoura University
Mansoura, EGYPT

PAPER #230

Comparison of Tibial Tunnel Techniques in Posterior Cruciate Ligament Reconstruction: C-Arm vs. Anatomic Fovea Landmark

Yong Seuk Lee, MD, PhD, Prof.
Seongnam, REPUBLIC OF KOREA

Jin Hwan Ahn, MD, Seoul, REPUBLIC OF KOREA
Taeg Su Ko, MD, Seoul, REPUBLIC OF KOREA
Ashraf Mohamed Attia Elazab, MSc
Mansoura, EGYPT

Seoul National University Bundang Hospital
Seongnam, Kyung-gi, REPUBLIC OF KOREA

PAPER #231

Posterior Laxity Significantly Increases Over Time after Successful PCL Reconstruction

Tobias Maximilian Jung, MD, Berlin, GERMANY

Clemens Gwinner, MD, Berlin, GERMANY
Imke Schatka, MD, Berlin, GERMANY
Andreas Weiler, MD, PhD, Berlin, GERMANY

CMSC – Charité Berlin
Berlin, GERMANY

PAPER #232

Knee Dislocations Demographics and Associated Injuries: A Prospective Review of 303 Patients

Gilbert Moatshe, MD, Oslo, NORWAY

Grant Dornan, MSc, Vail, CO, UNITED STATES
Sverre Løken, Oslo, NORWAY
Tom Clement Ludvigsen, MD, Oslo, NORWAY
Robert F. LaPrade, MD, PhD, Vail, CO, UNITED STATES
Lars Engebretsen, MD, PhD, Oslo/Lausanne, NORWAY

Oslo University Hospital
Oslo, NORWAY

PAPER #233

Graft Fixation Sequence in One-Stage Anterior Cruciate Ligament and Posterior Cruciate Ligament Reconstruction

Libin Zheng, MD, Xiamen, CHINA

Soheil Sabzevari, MD, Pittsburgh, PA, UNITED STATES
Brandon D. Marshall, MS
Pittsburgh, PA, UNITED STATES
Junjun Zhu, BS, MS, Pittsburgh, PA, UNITED STATES
Monica Linde, BS, RN, Pittsburgh, PA, UNITED STATES
Patrick J. Smolinski, PhD
Pittsburgh, PA, UNITED STATES
Freddie H. Fu, MD, Pittsburgh, PA, UNITED STATES

Department of Orthopaedic Surgery,
University of Pittsburgh
Pittsburgh, Pennsylvania, UNITED STATES

PAPER #234

An In Vitro Biomechanical Assessment of Biceps Femoris Repair

Adam William Anz, MD
Gulf Breeze, FL, UNITED STATES

Eric A. Branch, MS, Gulf Breeze, FL, UNITED STATES
Dustin Loveland, MD, Prosper, TX, UNITED STATES
Sohale Sadeghpour, MD
Gulf Breeze, FL, UNITED STATES

Andrews Research and Education Foundation
Gulf Breeze, Florida, UNITED STATES

PAPER #235

Osteoarthritis and Knee Function at Minimum 10 Years after Surgery for Knee Dislocations

Gilbert Moatshe, MD, Oslo, NORWAY

Grant Dornan, MSc, Vail, CO, UNITED STATES
Tom Clement Ludvigsen, MD, Oslo, NORWAY
Sverre Løken, Oslo, NORWAY
Robert F. LaPrade, MD, PhD, Vail, CO, UNITED STATES
Lars Engebretsen, MD, PhD, Oslo/Lausanne, NORWAY

Oslo University Hospital
Oslo, NORWAY

ROOM 301: GENERAL SESSION**12:30 – 1:00**

SESSION: ANTEROLATERAL LIGAMENT

PAPER #236

The Influence of the Section of the Antero-Lateral Knee Ligament on Rotational Laxity of the Knee. An Experimental Study

Nicolae Hazaparu, MD, Illkirch, FRANCE

Jean-Yves Jenny, Prof., Illkirch, FRANCE

Gilles Schockmel, MD, Illkirch, FRANCE

Sebastien Harnoist, MR, Laval, FRANCE

Philippe Clavert, MD, PhD

Illkirch-Graffenstaden, FRANCE

University Hospital Strasbourg

Strasbourg, FRANCE

PAPER #237

Prevalence of Anterolateral Ligament Abnormality in Acute Anterior Cruciate Ligament Injuries: A Magnetic Resonance Imaging Assessment on Patients With High-Grade Pivot-Shift Phenomenon

Guanyang Song, MD, Beijing, CHINA

Hua Feng, MD, Beijing, CHINA

Sports Medicine Service, Beijing Jishuitan Hospital

Beijing, CHINA

PAPER #238

The Impact of the Anterolateral Capsule Injury on the Rotational Laxity in the Anterior Cruciate Ligament Injured-Knees. A Result of Clinical Quantitative Evaluation of the Pivot-Shift Test

Nobuaki Miyaji, MD, Kobe, Hyogo, JAPAN

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

Kazuyuki Ibaraki, MD, Kobe, Hyogo, JAPAN

Toshikazu Tanaka, MD, Kobe, JAPAN

Kyohei Nishida, MD, Kobe, Hyogo, JAPAN

Yuichiro Nishizawa, MD, Kobe, Hyogo, JAPAN

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

Noriyuki Kanzaki, MD, PhD, Kobe, Hyogo, JAPAN

Takehiko Matsushita, 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 #239

Biomechanical Assessment of the Reconstruction of the Anterolateral Ligament During ACL Surgery. The In-Vivo Study

Radek Hart, Prof., MD, PhD, FRCS

Znojmo, CZECH REPUBLIC

Martin Komzak, MD, PhD, Znojmo, CZECH REPUBLIC

Department of Orthopaedics

Znojmo, CZECH REPUBLIC

PAPER #240

Anatomic Anterolateral Ligament Combined with Single-Bundle Anterior Cruciate Ligament Reconstruction Using the Same Hamstring Graft: Technique Report

Xuan Huang, MD, PhD, Shanghai, CHINA

Department of Orthopaedics, Changhai Hospital

Shanghai, CHINA

PAPER #18

Clinical Results from the First Large Series of Anterolateral Ligament Reconstruction Demonstrate Reduced ACL Graft Rupture Rates and Improved Return to Sport

Adnan Saithna, BMedSci, MBChB, DipSEM, MSc, FRCS, Ormskirk, UNITED KINGDOM

Maxime Cavalier, MD, Lyon, FRANCE

Charles Kajetanek, MD, Le Chesnay, FRANCE

Eduardo Frois Temponi, Belo Horizonte, BRAZIL

Thais Dutra Vieira, MD, Lyon, FRANCE

Eric Choudja, MD, Lyon, FRANCE

Matthew Daggett, Blue Springs, MO, UNITED STATES

Santy Clinic, FIFA Medical Centre of Excellence

Lyon, FRANCE

ROOM 2 – 1: CONCURRENT 2**09:15 – 09:45**

SESSION: ARTHROPLASTY

PAPER #241

Does Sex Impact Outcomes Following Shoulder Arthroplasty?

Rachel M. Frank, MD, Chicago, IL, UNITED STATES

Simon Lee, MPH, Chicago, IL, UNITED STATES

Timothy Leroux, Chicago, IL, UNITED STATES

Justin Griffin, MD, Charlottesville, VA, UNITED STATES

Nikhil N. Verma, MD, Chicago, IL, UNITED STATES

Brian J. Cole, MD, MBA, Chicago, IL, UNITED STATES

Gregory P. Nicholson, MD, Chicago, IL, UNITED STATES

Anthony A. Romeo, MD, Chicago, IL, UNITED STATES

Rush University Medical Center

Chicago, Illinois, UNITED STATES

PAPER #242

Outcomes of Prosthetic Shoulder Arthroplasty in Patients Forty Years Old or Less

Samer S. Hasan, MD, PhD

Cincinnati, OH, UNITED STATES

Leslie E. Schwindel, MD

Madisonville, KY, UNITED STATES

Cassie Fleckenstein, MS

Cincinnati, OH, UNITED STATES

Mercy Health – Cincinnati Sports Medicine and

Orthopaedic Center

Cincinnati, Ohio, UNITED STATES

THURSDAY, JUNE 8, 2017 (cont.)

ROOM 2 – 1: CONCURRENT 2

09:15 – 09:45

SESSION: ARTHROPLASTY (CONT.)

PAPER #243

Post-Operative Complications do Not Influence Patient-Reported Outcomes Following Humeral Head Resurfacing: Long-Term Follow-Up of 106 Patients

Andrea Beck, BS, Pittsburgh, PA, UNITED STATES

Mitchell Fourman, MD, Pittsburgh, PA, UNITED STATES

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

Pittsburgh, PA, UNITED STATES

Albert Lin, MD, Pittsburgh, PA, UNITED STATES

University of Pittsburgh Medical Center for Sports Medicine
Pittsburgh, Pennsylvania, UNITED STATES

PAPER #244

Management of Glenoid Bone Loss in Reverse Shoulder Arthroplasty

**Ashish Gupta, MBBS, MSC, FRACS
Brisbane, AUSTRALIA**

Christoph Thussbas, MD, Munich, GERMANY

Michael Koch, MD, Munich, GERMANY

Ludwig Seebauer, MD, Munich, GERMANY

Klinikum Bogenhausen
Munich, GERMANY

PAPER #245

Prevalence of Problems and Complications After Reverse Shoulder Arthroplasty According to the Pathology in Treatment and Comorbidities – A Multicenter Study

Alexandre De Almeida, MD, Caxias do Sul, BRAZIL

Paulo Cesar Faiad Piluski, RS, BRAZIL

Osvandré Luiz Lech, Prof., Passo Fundo, RS, BRAZIL

Eurico R. Carvalho, MD, Passo Fundo, RS, BRAZIL

Carlos H. Rodrigues, MD, Passo Fundo, RS, BRAZIL

Nayvaldo Couto Almeida, MD, Caxias Do Sul, RS, BRAZIL

Letícia Agostini De Almeida, Student

Caxias Do Sul, BRAZIL

Hospital Pompeia e Instituto de Ortopedia e Traumatologia
Caxias do Sul e Passo Fundo
Rio Grande do Sul, BRAZIL

ROOM 2 – 1: CONCURRENT 2

10:45 – 11:30

SESSION: INSTABILITY

PAPER #246

Arthroscopic Bankart Repair in Patients Over 30 Years of Age. Clinical and Radiologic Results at More than 10 Years Follow-Up

Damien Delgrande, MD

Boulogne-Billancourt, FRANCE

Jean David WERTHEL, PARIS, FRANCE

Guillaume Lonjon, MD, Paris, FRANCE

Grégoire Ciais, MD, Paris, FRANCE

Shahnaz Klouche, MD, Paris, FRANCE

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

Hôpital Ambroise Paré University of Paris Ile de
France Ouest

Boulogne Billancourt, FRANCE

PAPER #247

The Mini-Open Modified Bristow-Latarjet Procedure for Anterior Shoulder Instability: A 15-Year Study on the Results of 90 Cases

Kanglai Tang, MD, PhD, Prof., Chongqing, CHINA

Hongxin Zhang, MD, Chongqing, CHINA

Department of Orthopedics, Southwest Hospital
Chongqing, CHINA

PAPER #248

Improved Return to Play in Intercollegiate Contact Athletes Following Arthroscopic Stabilization for Anterior Shoulder Instability: A Prospective Multicenter Study

John Tokish, MD, Simpsonville, MD, UNITED STATES

John-Paul Rue, MD, Baltimore, MD, UNITED STATES

Jonathan Dickens, Chevy Chase, MD, UNITED STATES

Kenneth L. Cameron, PhD, MPH, ATC

West Point, NY, UNITED STATES

Kelly Kilcoyne, MD, El Paso, TX, UNITED STATES

C. Dain Allred, MD, Tucson, AZ, UNITED STATES

Steven James Svoboda, MD

West Point, NY, UNITED STATES

Robert T. Sullivan, MD, Eglin AFB, FL, UNITED STATES

Karen Peck, MEd, ATC, LTC

West Point, NY, UNITED STATES

Brett Owens, Cornwall, NY, UNITED STATES

Uniformed Services University of Health Sciences
Bethesda, Maryland, UNITED STATES

PAPER #249

Outcomes of Latarjet vs. Distal Tibia Allograft for Anterior Shoulder Instability Repair: A Prospective Matched Cohort Analysis

Rachel M. Frank, MD, Chicago, IL, UNITED STATES

Jae Kim, BS, Chicago, IL, UNITED STATES

Petar Golijanin, Research Coordinator

Boston, MA, UNITED STATES

Nikhil N. Verma, MD, Chicago, IL, UNITED STATES

Brian J. Cole, MD, MBA, Chicago, IL, UNITED STATES

Gregory P. Nicholson, MD, Chicago, IL, UNITED STATES

Anthony A. Romeo, MD, Chicago, IL, UNITED STATES

Matthew T. Provencher, MD, Vail, CO, UNITED STATES

Rush University Medical Center

Chicago, Illinois, UNITED STATES

PAPER #250

An Individualised Approach to Shoulder Instability: Minimum Two Years Follow Up of 104 Patients

Karthik Selvaraj Murugappan, MBBS, MS Orth, DNB, MRCS, Coimbatore, INDIA

Rohit Daniel, MBBS MS, Coimbatore, INDIA

David V. Rajan, MS (Orth) MNAMS (Orth), FRCS (G)

Coimbatore, Tamil Nadu, INDIA

Ortho One

Coimbatore, Tamil Nadu, INDIA

PAPER #251

Should We Stabilizing Surgically the Shoulder of the Athlete after the First Episode of Instability? Comparative Study vs. Conservative Treatment in 138 Rugby Players

Herman Serge, MD, Paris, France

Shahnaz Klouche, MD, Paris, FRANCE

Nicolas Lefevre, MD, Paris, FRANCE

Serge Herman, PhD, Paris, FRANCE

Antoine Gerometta, MD, Paris, FRANCE

Clinique du Sport

Paris, FRANCE

ROOM 2 - 1: CONCURRENT 2

12:30 - 13:00

SESSION: SHOULDER STIFFNESS

PAPER #252

Is Digital Photography an Accurate and Reliable Method for Measuring Range of Motion of the Shoulder and Elbow?

Joshua David Harris, MD

Houston, TX, UNITED STATES

Russell Russo, Houston, TX, UNITED STATES

Matthew B. Burn, MD, Houston, TX, UNITED STATES

Brayden Gerrie, BS, Toronto, ON, CANADA

Philip C. Noble, PhD, Houston, TX, UNITED STATES

Shuyang Han, PhD, Houston, TX, UNITED STATES

Jerry Alexander, Houston, TX, UNITED STATES

Christopher Lenherr, GED, Houston, TX, UNITED STATES

Sabir K. Ismaili, BS, Houston, TX, UNITED STATES

Patrick C. McCulloch, Houston, TX, UNITED STATES

Houston Methodist Orthopedics & Sports Medicine

Houston, Texas, UNITED STATES

PAPER #253

Short Term Outcome of Double Side Injections of Betamethasone for the Treatment of Early Stage Idiopathic Frozen Shoulder

Kanglai Tang, MD, PhD, Prof., Chongqing, CHINA

Pao Li, MD, Chongqing, CHINA

Department of Orthopedics, Southwest Hospital

Chongqing, CHINA

PAPER #254

Arthroscopic Capsular Release and Debridement of Painful Shoulder Osteoarthritis in Patients with Loss of Motion: A Mid- to Long-Term Follow-Up Study

Megan Rianne Wolf, MD

West Hartford, CT, UNITED STATES

Ariel A. Williams, MD, Farmington, CT, UNITED STATES

Jamie L. Friedman, MD

West Hartford, CT, UNITED STATES

Kevin P. Shea, MD, Avon, CT, UNITED STATES

University of Connecticut Health Center

Farmington, Connecticut, UNITED STATES

PAPER #255

Characteristics of the Patients with Rotator Cuff Tears with Stiffness

Satoshi Iwashita, MD, Tokyo, JAPAN

Hiroshi Hashiguchi, MD, PhD, Inzai, Chiba, JAPAN

Minoru Yoneda, MD, DMSc, Bunkyo-Ku, Tokyo, JAPAN

Shinro Takai, MD, PhD, Tokyo, JAPAN

Nippon Medical School

Tokyo, JAPAN

PAPER #256

Outcomes Following Surgical Treatment for Rotator Cuff Tears with Adhesive Capsulitis are Equivalent to Surgical Treatment for Rotator Cuff Tears Alone: A Systematic Review

Soheil Sabzevari, MD

Pittsburgh, PA, UNITED STATES

Amir Reza Kachooei, MD, Boston, MA, UNITED STATES

Juan Giugale, MD, Pittsburgh, PA, UNITED STATES

Albert Lin, MD, Pittsburgh, PA, UNITED STATES

University of Pittsburgh Medical Center

Pittsburgh, Pennsylvania, UNITED STATES

ANKLE, FOOT & CALF

- 101** **The Epidemiology of Lisfranc Injuries at the NFL Combine and its Impact on an Athlete's NFL Career**
Matthew T. Provencher, MD
Vail, CO, UNITED STATES
- 102** **Anatomic vs. Non-Anatomic Reconstruction for Chronic Lateral Ankle Ligament Instability**
Sam Si-Hyeong Park, MD
Toronto, ON, CANADA
- 103** **Optimal Screw Fixation in Treating Jones Fractures**
Pim Adriana Dirkje Van Dijk, BSc
Amsterdam, NETHERLANDS
- 104** **The Current Operative Techniques of Subtalar Arthrodesis**
Kanglai Tang, MD, PhD, Prof., Chongqing, CHINA
- 105** **To Fuse or Not to Fuse: That is the Question**
Naren Gurbani, MD, FACS
Downey, CA, UNITED STATES
- 106** **An Anatomic Study of the Percutaneous Endoscopically-Assisted Calcaneal Osteotomy (PECO) Technique to Correct Hindfoot Malalignment**
Andrea Veljkovic, MD, MPH, FRCSC, BComm
Vancouver, BC, CANADA
- 108** **Dynamic Ankle Stability After Brostrom-Gould Repair**
MaCalus Vinson Hogan, MD
Pittsburgh, PA, UNITED STATES
- 109** **Reliability and Validity of Preoperative MRI for Surgical Decision Making in the Chronic Lateral Ankle Instability**
Thomas Bauer, MD, PhD, Boulogne, FRANCE
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- 1316** **In Vitro Repair of Meniscus Radial Tear Using Hydrogels Seeded with Adipose-Derived Stem Cells And TGF-β3**
Hiroshi Sasaki, MD, PhD
Pittsburgh, PA, UNITED STATES
- 1317** **Arthroscopic Repair Technique of Chronic Irreducible Bucket Handle Meniscus Tears**
Zhibin Shi, PhD, Xi'an, CHINA
- 1318** **Repair of Radial Meniscus Tears with the Transtibial Two Tunnel Technique: A Comparative Cohort Study with 2-Year Minimum Follow-Up**
Mark Cinque, MS, BS
Vail, CO, UNITED STATES
- 1319** **Forgotten Ligament – Arthroscopic Evaluation and Treatment of Menico-Fibular Ligament**
Urszula Ewa Zdanowicz, MD, Warsaw, POLAND
- 1320** **Arthroscopic Meniscal Allograft Transplantation Without Bone Plugs: Survival Analysis of 147 Patients**
Stefano Zaffagnini, MD, Prof., Bologna, ITALY
- 1321** **The Influence of Tibial and Femoral Bone Morphology on the Incidence of Concomitant Meniscus Injury in ACL Injured Patients**
Humza Shaikh, BA
Pittsburgh, PA, UNITED STATES
- 1322** **The Frequency of Cartilage Lesions in Non-Injured Knees with Symptomatic Meniscus Tears. Results from an Arthroscopic and NIR- (Near-Infrared) Spectroscopic Investigation**
Gunter Spahn, MD, Prof., Eisenach, GERMANY
- 1323** **The Effect of Cartilage Status and Tibial Osteotomy on the Survivorship of Meniscus Allograft Transplantation**
Peter T. Myers, MBBS, FRACS, FAOrthA
Brisbane, QLD, AUSTRALIA
- 1324** **Biomechanical Comparison of All-Inside Suture Device (Ultra Fast-Fix) and Inside-Out Horizontal Suture in Meniscal Repair of Radial Tear**
Tae Woo Kim, MD, Seoul, REPUBLIC OF KOREA
- 1325** **No Benefit of 12-Weeks Postoperative Treatment with Compartment-Unloading Knee Brace or -Insoles after Partial Meniscectomy**
Dietmar Dammerer, MD, PhD, Innsbruck, AUSTRIA
- 1326** **Effect of Immediate Post-Operative Weight Bearing vs. Protected Weight Bearing Following Meniscal Repair Greater than Five Years Post Surgery**
Marc Tompkins,
Minneapolis, MN, UNITED STATES
- 1327** **Payr's Sign Revisited: Clinical Diagnosis of Posterior Root Tears of Medial Meniscus**
Miten Rajendra Sheth, MBBS, MS, DNB(ORTH)
Mumbai, Maharashtra, INDIA
- 1328** **Clinical and Radiologic Outcomes Following Surgical Treatment for Medial Meniscus Root Tear in the Middle Age (Meniscus Repair vs. Subtotal Meniscectomy)**
Jun Sik Kim, MD
Seoul, Ganseo-gu, REPUBLIC OF KOREA
- 1329** **Minimally Invasive Treatment of Degenerative Meniscal Lesions with PRP Injections**
Juliusz Sroczynski, MD
Warszawa, Mazowieckie, POLAND
- 1330** **A Novel Technique for Repair of Posterior Medial Meniscus Root Tear: A Biomechanical Study Using Porcine Knees**
Jia-Lin Wu, MD, MS, Taipei, TAIWAN
- 1331** **Arthroscopic Lateral Meniscal Root Radial Tear Repair in Athletes with Fast-Fix 360 Suture System**
Mingming Lei, MD, PhD, Prof.
Chengdu, Sichuan, CHINA
- 1332** **Arthroscopic Meniscectomy Combined with Suture for Treatment of Unstable Discoid Meniscus Injuries**
Zi Quan Yang, MD, PhD, Taiyuan, Shanxi, CHINA
- 1333** **Using Standard Functional Tests to Assess for Return to Play Following Isolated Meniscus Repair**
Marc Tompkins,
Minneapolis, MN, UNITED STATES
- 1334** **Role of Stress Radiographs as a Diagnostic Tool in Medial Meniscus Posterior Root Tears**
Elcil Kaya Bicer, MD, Izmir, TURKEY
- 1335** **Does Medial Meniscal Allograft Transplantation with the Bone-Plug Technique Restore the Anatomic Location of the Native Medial Meniscus?**
Sungmok Oh, MD, Seoul, REPUBLIC OF KOREA
- 1336** **Ramp Lesion Associated with Anterior Cruciate Ligament Rupture: An Anatomic and Clinical Research**
Xuan Huang, MD, PhD, Shanghai, CHINA
- 1337** **Evaluation of Outcomes of Meniscal Suturing and Risk Factors Determining the Final Outcome**
Przemyslaw Pawel Rychtik, MD
Warsaw, POLAND
- 1338** **Long-Term Outcome after All-Inside Meniscal Repair Using the Fastfix System**
Alexander Zimmerer, MD, Pforzheim, GERMANY
- 1339** **Does Timing of Arthroscopic Partial Meniscectomy in Stable Knees Matter?**
Barak Haviv, MD, Ramat-Hasharon, ISRAEL
- 1340** **Prospective Study of Ramp Lesion Associated with ACL Rupture**
Jai Thilak, MS, MCh, Cochin, Kerala, INDIA

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- 1341** Clinical and Radiologic Outcomes after Single Leaf Resection of Medial Meniscus Horizontal Tear and in the Knee Varus Alignment
Jun Sik Kim, MD
Seoul, Ganso-gu, REPUBLIC OF KOREA
- 1342** Everything Decays: Age Affects the Accuracy of Magnetic Resonance Imaging in Detecting Various Pathologies in Knee Joint
Elcil Kaya Bicer, MD, Izmir, TURKEY
- 1343** Predictive Role of MRI in Reparability of Meniscal Tears
Giacomo Zanon, MD, Pavia, ITALY
- 1344** Predictive Factors for Bilateral Discoid Lateral Meniscus in Patients with Symptomatic Discoid Lateral Meniscus
Sang Hak Lee, MD, PhD
Seoul, REPUBLIC OF KOREA
- 1345** The Clinical Outcomes of Using Arthroscopic Suture Loop for Treating Unstable Ramp Lesion
Chen Kang, Master of Medicine
Shenzhen, CHINA
- 1346** Repairing Ramp Injury of Meniscus Combined with ACL Rupture By Fast Suture with Fastfix
Zhibin Shi, PhD, Xi'an, CHINA
- 1347** Meniscal Translation In Healthy and Repaired Menisci: A Three-Dimensional In-Vivo Magnetic Resonance Imaging Study
David Anthony Parker, MBBS, BMedSci, FRACS
Sydney, AUSTRALIA
- 1348** Correlation of Meniscal Tear with Timing of Anterior Cruciate Ligament Reconstruction in Patients without Initially Concurrent Meniscal Tear
Kun-Hui Chen, MD, Taipei, TAIWAN
- 1349** Analysis of All-Inside vs. Outside-In Technique for Repairing Meniscal Tears: A Prospective Study
Neeraj Arun Adkar, DNB, D.ORTHO, MBBS
Pune, Maharashtra, INDIA
- 1350** Repair of Meniscal Ramp Lesions through a Double Posteromedial Portal: A Cadaveric Study
Philippe Boisrenoult, MD, Le Chesnay, FRANCE
- 1351** Diagnostic Value of Clinical Assessment and Magnetic Resonance Imaging on Meniscal Healing after Meniscal Repair
Martin Lind, Prof., MD, PhD, Aarhus, DENMARK

KNEE – MUSCLE & TENDON

- 1401** Low Frequency Pulsed Electromagnetic Fields (PEMFS) Increase Quadriceps Strength in Young Healthy Men
Lingaraj Krishna, MBBS, M.Med(Orth), FRCSEd (Orth), Singapore, SINGAPORE
- 1402** Fabrication of Engineered Tendon by Uni-Axial Loading Induced Akt Signal Pathway
Tao Wang, PhD, B.Eng
Perth, WA, AUSTRALIA

- 1501** **Distraction Osteogenesis Utilizing a Longitudinal Corticotomy**
Maad Faisal Alsaati, MD, DES, DESCO
Riyadh, SAUDI ARABIA
- 1502** **Posteromedial Open-Wedge High Tibial Osteotomy to Avoid Posterior Tibial Slope Increase**
Elcil Kaya Bicer, MD, Izmir, TURKEY
- 1503** **High Tibial Osteotomy using Tomofix Plate. Long Term Clinical and Radiological Results in Young Patients (Less than 40 Years Old)**
Michael Elias Hantes, Assoc. Prof.
Larisa, GREECE
- 1504** **HTO Combined with Arthroscopic Condylar Notch Plasty to Treat Varus Osteoarthritis of Knee Accompany with Flexion Deformity**
Jingmin Huang, MD, Tian Jin, CHINA
- 1505** **Is a High Tibial Osteotomy Superior to Non-Surgical Treatment or Valgus Unloader Bracing in Patients with Varus Malaligned Medial Knee Osteoarthritis? A Propensity Matched Study Using 2 RCT Datasets**
Mark Van Outeren, MD
Rotterdam, NETHERLANDS
- 1506** **High Activity Level and Return to Sports Following Knee Osteotomy in Young Athletic Patients**
Suzanne Wijes, MD, Dublin, IRELAND
- 1507** **Bilateral Simultaneous HTO: An Approach Suitable in Current Practice**
Vikram Arun Mhaskar, MBBS, MS (Orth),
MCh (Orth), ECFMG certified, New Delhi, INDIA
- 1508** **What Factors Predict Patient Dissatisfaction after Current Medial Opening Wedge High Tibial Osteotomy?**
In Jun Koh, MD, PhD, Prof.
Seoul, REPUBLIC OF KOREA
- 1509** **Manage the Bony Posterolateral Instability of Knee through Analytic Diagnosis and Proper Treatment: A 31 Case Series**
CongFeng Luo, MD, PhD, Shanghai, CHINA
- 1510** **Osteotomy Configuration of the Proximal Wedge and Analysis of the Affecting Factors in the Medial Open Wedge High Tibial Osteotomy**
Yong Seuk Lee, MD, PhD, Prof.
Seongnam, Kyung-gi, REPUBLIC OF KOREA
- 1511** **Discrepancy of Alignment in Different Weight Bearing Conditions Before and After High Tibial Osteotomy**
Byung Hoon Lee, MD
Seoul, Gil-dong, Gangdong-Gu,
REPUBLIC OF KOREA
- 1512** **A Novel CT-Measuring Protocol for Precise Localization of Torsional Deformities of the Lower Leg**
Wolfgang Hackl, MD, Innsbruck, AUSTRIA
- 1513** **Computer Assisted Navigation Guided High Tibial Osteotomy Using Total Knee Navigation System**
Kan Yip Law, FRCS, Hong Kong, HONG KONG
- 1514** **Effect of the Osteotomy Length on the Change of the Posterior Tibial Slope with a Simple Distraction of the Posterior Gap in the Uni- and Bi-Planar Open Wedge High Tibial Osteotomy**
Yong Seuk Lee, MD, PhD, Prof.
Seongnam, Kyung-gi, REPUBLIC OF KOREA
- 1515** **Does Coronal Knee and Ankle Alignment affect Recurrence of the Varus Deformity after High Tibial Osteotomy?**
Yong Seuk Lee, MD, PhD, Prof.
Seongnam, Kyung-gi, REPUBLIC OF KOREA
- 1516** **Comparison of the Clinical Outcomes Using Two Different Locking Compression Plates (LCP) for Medial Opening-Wedge High Tibial Osteotomy: Ohtofix vs. Tomofix**
Jun Sik Kim, MD
Seoul, Ganseo-gu, REPUBLIC OF KOREA
- 1517** **Effect of Concomitant Lateral Retinacular Release on Patellofemoral Alignment Following Opening Wedge High Tibial Osteotomy**
Kazuhiro Murayama, MD
Nishinomiya, Hyogo, JAPAN
- 1518** **Evaluation of a New Preoperative Planning Technique for Medial Opening Wedge High Tibial Osteotomy**
Robert G. Marx, MD, MSc, FRCSC
New York, NY, UNITED STATES
- 1519** **How Could We Prevent Overcorrection in Medial Open-Wedge High Tibial Osteotomy?**
Do Kyung Lee, MD, Seoul, REPUBLIC OF KOREA
- 1520** **The Effect of the Novel Closed Wedge High Tibial Osteotomy on Leg Length and Coronal Alignment of Knee and Ankle Joint**
Kazumasa Inoue, MD
Toyohama-Cho Kanonji, Kagawa, JAPAN
- 1521** **Simultaneous Bilateral High Tibial Osteotomy with Immediate Full Weight Bearing Exercise**
Gen Matsui, MD, Fukuoka City, JAPAN
- 1522** **Outcomes of Simultaneous Open Wedge High Tibial Osteotomy and Anterior Cruciate Ligament Reconstruction in Anterior Cruciate Ligament Deficiency with Medial Unicompartmental Osteoarthritis**
Cheng Jin, Fellow
Gwangju, REPUBLIC OF KOREA
- 1523** **Computer Supported Complex Osteotomy Procedures Around the Knee (CT Preoperative Planning, Navigation System, 3D Printing Technologies)**
Bogdan Ambrozic, Master's Degree
Ankaran, Koper, SLOVENIA

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- 1524** Can High Tibial Osteotomy Compensate for Ligament Deficiency in Chronic Multiple Ligament Knee Injury
Adham Elsharkawey Elgeidi, MD (Ortho & Tr)
Mansoura, Dakahlia, EGYPT
- 1525** How Could Plate Geometry and Screw Insertion be Optimized for a Balanced Stability of the Fixator and the Lateral Hinge in Open Wedge High Tibial Osteotomy
Yong Seuk Lee, MD, PhD, Prof.
Seongnam, Kyung-gi, REPUBLIC OF KOREA
- 1526** Intraoperative Adjustment of Alignment Under Valgus Stress Reduces Outliers in Patients Undergoing Medial Opening-Wedge High Tibial Osteotomy
Sueen Sohn, MD, Seoul, REPUBLIC OF KOREA
- 1527** A Novel Technique in Open Wedge High Tibial Osteotomy to Preserve the Tibial Slope (Basic Study on Cadaver and Reconstruction CT Scanning)
Hamidreza Yazdi, MD
Tehran, ISLAMIC REPUBLIC OF IRAN
- 1528** The Effect of Fibular Osteotomy on Contact Pressure of the Knee Joint
Akira Maeyama, MD, Fukuoka, JAPAN
- 1529** Challenges of Quantitative Magnetic Resonance Imaging after High Tibial Osteotomy: A Human Cadaver Study to Assess the Feasibility of T2-Mapping near Titanium
Joost Verschueren, MD
Rotterdam, NETHERLANDS
- 1530** Medial Distal Femoral Varus and Detortion Reosteotomy with MPFL Reconstruction for Severe Valgus Deformity of the Knee after Femoral Valgus Osteotomy with Recurrent Patellar Dislocation
Gen Matsui, MD, Fukuoka City, JAPAN

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- 1601** Engagement Patterns of the Antrolateral Ligament of the Knee
Ran Thein, MD, Tel-Hashomer, ISRAEL
- 1602** A Biomechanical and Histological Comparison of the Supra- & Infra-Meniscal Fibers of the Anterolateral Ligament
Alan Getgood, MD, FRCS(Tr&Orth), DipSEM
London, ON, CANADA
- 1603** A Novel Method for the Assessment of Joint Space Width and Subchondral Bone Micro Architecture
Stefan Nehrer, Prof., MD, Krems, AUSTRIA
- 1604** Intraoperative Analysis of Flexion Kinematics of Osteoarthritic Knees Using CT-Free Navigation
Makiko Okuno, MD, Nishinomiya, Hyogo, JAPAN
- 1605** Anterolateral Ligament: Anatomy and Length Variation During Motion
Thomas Neri, MD, Saint Etienne, FRANCE
- 1606** Mechanical Axis of the Lower Limb. Comparison Between Invasive and Non Invasive Navigated Measurement
Nicolae Hazaparu, MD, Illkirch, FRANCE
- 1607** Is Platelet-Rich Plasma the Better Intra-Articular Injection Choice for the Treatment of Knee Osteoarthritis? A Prospective, Double-Blind, Randomized, Placebo-Controlled Trial
Kuan-Yu Lin, MD, Kaohsiung City, TAIWAN
- 1608** The Second Fracture is an Avulsion of the Anterolateral Capsular Complex
Humza Shaikh, BA
Pittsburgh, PA, UNITED STATES
- 1610** Posterior Tibial Subchondral Bone and Meniscal Slope Correlate with in Vivo Internal Tibial Rotation
Elmar Herbst, MD, München, Bavaria, GERMANY
- 1611** Histopathological Audit of Arthroscopic Synovial Biopsies Done for Persistent Knee Effusions
Thando Ncube, MBChB
Johannesburg, Gauteng, SOUTH AFRICA
- 1612** Intra-Articular Platelet Rich Plasma and Hyaluronic Acid Are Effective in Knee Osteoarthritis: A Comparative, Randomized Study
Raju Vaishya, MBBS, MS, MCh, FRCS
New Delhi, INDIA

- 1613** **Is There a High Rate of Arthroscopy-Related Complications Following Arthroscopic Reduction and Internal Fixation of Tibial Plateau Fractures?**
Luis Machado, MD, Leiria, PORTUGAL
- 1614** **Anterior Tibial Plateau Fracture: An Often Missed Injury**
Vikram Arun Mhaskar, MBBS, MS (Orth), MCh (Orth), ECFMG Certified, New Delhi, INDIA
- 1615** **The Posterolateral Knee Arthroscopy Portal: A Cadaveric Study Defining a Safety Zone for Portal Placement**
Joseph Greene, MD
Louisville, KY, UNITED STATES
- 1616** **Results of Arthroscopic Treatment In Unresolved Osgood-Schlatter Disease In Athletes**
Tahsin Beyzadeoglu, Prof., MD, Istanbul, TURKEY
- 1617** **Evaluation of Agreement Between Knee Surgeons After MRI Analysis**
Thiago Rocha Protta, MD, São Paulo, BRAZIL
- 1618** **The Use of Smartphones for Measuring Angles in the Arthritic Knee**
Dinesh Mohan Choudary, MS Ortho
Chennai, INDIA
- 1619** **Subchondroplasty for Treating Bone Marrow Lesions in the Knee – Initial Experience**
Marcelo Batista Bonadio, MD
São Paulo, BRAZIL
- 1620** **Supra- or Retro-Patellar Approach for Intramedullary Nailing in Treating Tibial Fractures – A Systematic Review**
Fabian Wong, MRCS, MBBS, BSc
London, UNITED KINGDOM
- 1621** **Knee Anterolateral Ligament Description on Magnetic Resonance in Patients Without History of Knee Instability**
Maximiliano Barahona, MD, MSc
Santiago, CHILE
- 1622** **Biomechanical and Histological Differences Between Extra-Articular Knee Ligaments**
Steven Claes, MD, PhD, Herentals, BELGIUM
- 1623** **Anterolateral Capsular Complex Exploration in the Human Fetal Knee**
Soheil Sabzevari, MD
Pittsburgh, PA, UNITED STATES
- 1624** **Anatomical Characteristics and Biomechanical Properties of the Oblique Popliteal Ligament**
Xiang-Dong Wu, MD, Chongqing, CHINA
- 1625** **Routine Use of Magnetic Resonance Imaging in Tibial Plateau Fractures. Does it Change the Surgical Approach?**
Daniel Paccot, Santiago, CHILE
- 1626** **Nature of Popliteal Cyst is Influenced by Continuity to Joint Cavity**
Akinori Kimura, MD
Shimotsuke-Shi, Tochigi, JAPAN
- 1627** **A Comprehensive Classification to Prognosticate the Outcome of Floating Knee Injuries; Are We Justified**
Pralhad Kumar Singhi MBBS, D.ORTHO, DNB (ORTHO), Madurai, Tamilnadu, INDIA

KNEE – PATELLOFEMORAL

- 1701** **MRI Validation of Tibial Tubercle Transfer Distance: A Clinical and Cadaveric Study**
Sabrina M. Strickland, MD
New York, NY, UNITED STATES
- 1702** **Anteromedialization Tibial Tubercle Osteotomy with Medial Reefing for Patellar Dislocation Due to Trochlear Dysplasia: Is it Enough?**
Alan Zhang, MD
San Francisco, CA, UNITED STATES
- 1703** **Return to Sports after Tibial Tubercle Osteotomy for Patellofemoral Pain and Osteoarthritis**
Sabrina M. Strickland, MD
New York, NY, UNITED STATES
- 1704** **Are Basketball and Soccer Risk Factors for Juvenile Osteochondritis Dissecans of the Trochlea? A Cohort Study of 32 Trochlear Lesions**
Maria Tuca, MD, New York, NY, UNITED STATES
- 1705** **Patellofemoral Pain and Potential Patellar Instability at a Long Term Follow-Up**
Luca Dei Giudici, MD, Ancona, ITALY
- 1706** **Combined Tibial Tubercle Osteotomy and MPFL Reconstruction for Recurrent Lateral Patellar Instability**
Aaron J. Krych, MD
Rochester, MN, UNITED STATES
- 1707** **TT-TG Index: Which Method is the Most Powerful?**
Peter W. Ferlic, MD, Innsbruck, AUSTRIA
- 1708** **Correlation Between Knee Size and TT-TG Only in Patients with Patellofemoral Instability**
Wolfgang Hackl, MD, Innsbruck, AUSTRIA
- 1709** **Major Factors that Affect Tibial Tuberosity-Trochlear Groove (TT-TG) Distance: A CT Study**
Keitaro Tahara, MD, Tokyo, JAPAN

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- 1710** **Modelling the Patellofemoral Joint – A Multimodal Approach to Assess Stability**
Sheanna Maine, FRACS
Brisbane, QLD, AUSTRALIA
- 1711** **Patella Height is Related the Tilting and the Lateralization of the Patella**
Wolfgang Hackl, MD, Innsbruck, AUSTRIA
- 1712** **Primary Lateral Patella Dislocations: Evaluating Injury Patterns by Magnetic Resonance Imaging**
Elizabeth A. Arendt, MD
Minneapolis, MN, UNITED STATES
- 1713** **Medial Patellofemoral Ligament Femoral Tunnel Position in a Cohort of Patients with Recurrent Patellar Instability: A Radiographic Study**
Túlio Vinicius De Oliveira Campos, MD, MsC
Belo Horizonte, Minas Gerais, BRAZIL
- 1714** **Evaluation of Lateral Displacement of the Tibial Tubercle in Patients with Patellar Dislocations**
Keiji Tensho, MD, PhD
Matsumoto, Nagano, JAPAN
- 1715** **Measurements of Trochlea Dysplasia: A Literature Review with Quality Assessment of Radiological Measurements**
Kristoffer Weisskirchner Barfod, MD, PhD
Copenhagen, DENMARK
- 1716** **Tibial Tubercle Transposition in Treatment of Patellofemoral Malalignment: Anteromedialization vs. Distalization. Clinical and Functional Outcome Comparison**
Luca Dei Giudici, MD, Ancona, ITALY
- 1717** **The Value of Instrumented Testing on the Patellofemoral Clinical Evaluation**
Elizabeth A. Arendt, MD
Minneapolis, MN, UNITED STATES
- 1718** **Morphological Characteristics of Habitual Patellar Dislocation in Knee Flexion: A Comparative Study with Traumatic Patellar Dislocation in Knee Extension**
Keisuke Kita, MD, PhD, Sakai, Osaka, JAPAN
- 1719** **Mini-Open Trochleaplasty for Recurrent Patellar Instability – Surgical Technique, Safety Analysis with MRI and Clinical Results**
Petri J. Sillanpää, MD, PhD, Tampere, FINLAND
- 1720** **Clinical Outcomes After Isolated Medial Patellofemoral Ligament Reconstruction for Patellar Instability**
Sabrina M. Strickland, MD
New York, NY, UNITED STATES
- 1721** **Functional Testing and Return to Sport Following Stabilization Surgery for Recurrent Lateral Patellar Instability in Competitive Athletes**
Aaron J. Krych, MD
Rochester, MN, UNITED STATES
- 1722** **Incidence of Acute Lateral Patellar Dislocation: A 21-Year Population-Based Study**
Aaron J. Krych, MD
Rochester, MN, UNITED STATES
- 1723** **Biomechanical Evaluation of Suture Anchor vs. Transosseous Tunnel Patella Tendon Repair Techniques**
Seth Lawrence Sherman, MD
Columbia, MO, UNITED STATES
- 1724** **The Influence of Medial Patellofemoral Ligament Reconstruction on Clinical Results and Sports Activity Level**
Bogdan Ambrozic, Master's Degree
Ankaran, Koper, SLOVENIA
- 1725** **Tibial Tubercle Lateralization with Respect to Proximal Tibia, In Patients with Patellar Instability**
Nicolas Reyes, MD, Santiago, CHILE
- 1726** **“Extended Q Angle”. A New Clinical Sign for Deciding Right Technique for Extensor Mechanism Realignment**
Ricardo David Manilov, MD
Santa Lucia, San Juan, ARGENTINA
- 1727** **Pat-Rig- An Innovative Device (3D Model) for Medial Patellofemoral Ligament Reconstruction Surgery**
Sarthak Patnaik, MS, FASM (ISAKOS), FHA
Bhubaneswar, Odisha, INDIA
- 1728** **What is the Natural History of Patellar Dislocation in Skeletally Immature Patients? A Long-Term Population-Based Study**
Aaron J. Krych, MD
Rochester, MN, UNITED STATES

- 1801** **Effect of Capsule Repair on Rotational and Varus Stability in PLRI Reconstruction**
Michael Künzler, MD, Bern, SWITZERLAND
- 1802** **Osteoarthritis and Knee Function at Minimum 10 Years after Surgery for Knee Dislocations**
Gilbert Moatshe, MD, Oslo, NORWAY
- 1803** **Factors Influencing Return to Sport or Return to Work after a Multiligament Knee Injury**
*Robert A. Magnussen, MD, MPH
Columbus, OH, UNITED STATES*
- 1804** **The Epidemiology of Posterior Cruciate Ligament Injuries at the NFL Combine and their Impact on NFL Career**
*Matthew T. Provencher, MD
Vail, CO, UNITED STATES*
- 1805** **Patient and Injury Characteristics do not Accurately Predict Risk of Below-Normal Quality of Life Following Multiple-Ligament Knee Injury and Reconstruction**
*Brett A. Fritsch, MBBS, BSc(Med)
Hunters Hill, NSW, AUSTRALIA*
- 1806** **Arthroscopic Physeal Sparing Posterior Cruciate Ligament Reconstruction in a Skeletally Immature Patient: A Systematic Review and Novel Surgical Technique**
*Moin Khan, MD, MSc, FRCSC
Ann Arbor, MI, UNITED STATES*
- 1807** **Evaluation of Posterior Instability after Open Reduction and Internal Fixation of PCL Tibial Avulsion Fractures**
Francesco Giron, MD, PhD, Firenze, ITALY
- 1808** **Comparison of Clinical and Radiological Results Between Posteromedial Portal Technique and Posterior Transseptal Portal Technique in Making a Tibial Tunnel in Single Bundle Posterior Cruciate Ligament Reconstruction with Remnant Preservation**
*Jae-Ang Sim, MD
Incheon, REPUBLIC OF KOREA*
- 1809** **Clinical Outcome of Primary Medial Collateral Ligament-Posteromedial Corner Repair with or without Staged Anterior Cruciate Ligament Reconstruction**
*Vivek Pandey, MBBS, MS Ortho
Udupi, Karnataka, INDIA*
- 1810** **Revision Multi-Ligament Knee Reconstruction: Treatment Algorithm and Outcomes**
*Bruce A. Levy, MD
Rochester, MN, UNITED STATES*
- 1811** **PCL Reconstruction and Clinical Outcome – A Radiological Predictive Method Using Tibial Exit Site**
*Denny T.T. Lie, MBBS, FRCS, FAMS
Singapore, SINGAPORE*
- 1812** **Outcome of Medial Side Knee Reconstruction with “Percutaneous Anatomic Equivalent Triangle Technique” Using Ipsilateral Autogenous Hamstring**
*Dhananjaya Sabat, MS, DNB, MNAMS
New Delhi, INDIA*
- 1813** **Staged Anatomical Reconstruction of MCL Using Achilles Allograft, A Modification to Marx’S Technique**
*Hamidreza Yazdi, MD
Tehran, ISLAMIC REPUBLIC OF IRAN*
- 1814** **Double-Bundle PCL Reconstruction: A Prospective Study of Two-Year Patient Reported Outcomes with Stress Radiographs**
Andrew Geeslin, MD, Vail, CO, UNITED STATES
- 1815** **A Biomechanical Comparison of Arciero and LaPrade Techniques for Knee Posterolateral Corner Reconstruction**
*Daniel C. Wascher, MD
Albuquerque, NM, UNITED STATES*
- 1816** **Arthroscopic Posterior Cruciate Ligament Reconstruction Using LARS Artificial Ligament: A Retrospective Study with a Mean Follow-Up of Five Years**
Xuan Huang, MD, PhD, Shanghai, CHINA
- 1817** **Treatment of Tibia Avulsion Fracture of Posterior Cruciate Ligament with High-Strength Suture Fixation Under Arthroscopy**
Weimin Zhu, MD, Shenzhen, Guangdong, CHINA
- 1818** **Effect of Graft Fixation Sequence in One-Stage Anterior Cruciate Ligament and Posterior Cruciate Ligament Reconstruction on Graft In-Situ Forces**
Libin Zheng, MD, Xiamen, Fujian, CHINA
- 1819** **Arthroscopic All-Inside Reconstruction for Posterior Cruciate Ligament and Popliteus Tendon Compared with Popliteofibular Ligament Reconstruction: Clinical Results of Minimum Two-Year Follow-Up**
Hui Zhang, MD, Beijing, CHINA
- 1820** **Detection of Vascular Injury in Knee Dislocation: Risk Factors and Diagnostic Tools**
*Ronald L. Diercks, Prof., MD, PhD
Groningen, NETHERLANDS*
- 1821** **Multiple Ligament Reconstruction Femoral Tunnels: Inter-Tunnel Relationships and Guidelines to Avoid Convergence**
Gilbert Moatshe, MD, Oslo, NORWAY

SHOULDER – ARTHROPLASTY

- 1902** **Revision of Reverse Shoulder Arthroplasty – Clinical Results of 139 Cases with a Minimum Follow-Up of Two Years**
Ashish Gupta, MBBS, MSC, FRACS
Brisbane, AUSTRALIA
- 1903** **Reverse Shoulder Arthroplasty for Patients over 80 Years Old with or without Pseudoparalysis**
Christopher Chuinard, MD, MPH
Traverse City, MI, UNITED STATES
- 1904** **The Utility of Obtaining Routine Hematologic Laboratory Values Following Shoulder Arthroplasty: An Analysis of 1063 Patients**
Rachel M. Frank, MD
Chicago, IL, UNITED STATES
- 1905** **Failure of Subscapularis Healing after RTSA Happens Frequently and is Associated with Decreased Internal Rotation Strength**
Vishal Mahul Mehta, MD
Geneva, IL, UNITED STATES
- 1906** **Are Drains Necessary in Shoulder Arthroplasty?**
Christopher Chuinard, MD, MPH
Traverse City, MI, UNITED STATES
- 1907** **Reduced Blood Loss with Low-Volume Topical Tranexamic Acid after RSA**
Raul Barco, MD, PhD, FEBOT, Madrid, SPAIN
- 1908** **Can Glenoid Wear be Accurately Assessed Using X-Ray? Evaluating Agreement of X-Ray and MRI Walch Classification**
Albert Lin, MD, Pittsburgh, PA, UNITED STATES
- 1909** **Reverse Arthroplasty of Shoulder with Procedure of Modified L'episcopo Plus Transfer of the Pectoralis Major for Handling Complication of Complex Humeral Fracture in a Young Patient**
Tito Barraez, MD, Caracas, Miranda, VENEZUELA

SHOULDER – INSTABILITY

- 2001** **Risk Factors for Recurrent Instability Following Arthroscopic Revision Anterior Stabilization**
Favian Su, BS, Pittsburgh, PA, UNITED STATES
- 2002** **Modified Arthroscopic Latarjet Procedure: A Chinese Experience**
Wei Lu, MD, PhD, Prof.
Shenzhen, Guangdong, CHINA
- 2003** **Coracoid Bone Graft Position and Absorption Rate Following All-Arthroscopic Endo-Button Latarjet Procedure**
Hao Luo, MD, Beijing, CHINA
- 2004** **Arthroscopic Anatomic Glenoid Reconstruction: Analysis of the Learning Curve**
Justin Moga, MD, Halifax, NS, CANADA
- 2005** **Functional Outcome Following Bipolar Procedure for Recurrent Dislocation of Shoulder: Retrospective Analysis Including Ultrasound and Strength Assessment of Infraspinatus**
Rajkumar Sukirth Amaravati, MBBS, DNB, MNAMS
BANGALORE, Karnataka, INDIA
- 2006** **Psychological Factors Affecting the Return to Sport Following a Shoulder Instability Episode: Validation of the SIRS1 (Shoulder Instability – Return to Sport after Injury) Scale**
Herman Serge, MD, Paris, FRANCE
- 2007** **An Arthroscopic “Button-Socket” Bristow Technique for the Treatment of Recurrent Anterior Glenohumeral Instability**
Zhenxing Shao, MD, PhD, Beijing, CHINA
- 2008** **Prospective Evaluation of Surgical Treatment of Humeral Avulsions of the Glenohumeral Ligament (HAGL)**
Matthew T. Provencher, MD
Vail, CO, UNITED STATES
- 2009** **Evaluation of Functional Outcome of Arthroscopic Simultaneous Rotator Cuff and Bankart Repair after Shoulder Dislocation in a Two-Year Follow-Up**
Dimitrios Nikolopoulos, PhD, Athens, GREECE
- 2010** **Return to Play Criteria Following Surgical Stabilization for Traumatic Anterior Instability: A Systematic Review**
Michael G. Ciccotti, MD
Philadelphia, PA, UNITED STATES
- 2011** **90-Day Complications Following the Latarjet Procedure**
Rachel M. Frank, MD
Chicago, IL, UNITED STATES
- 2012** **Early Results of the Arthroscopic Double Bankart Bridge Technique for Restoration of the Labral Footprint in Arthroscopic Anterior Instability Repair of the Shoulder**
Mohamed Aboalata, MD, EBOT
Mansoura, Dakahlia, EGYPT

- 2013** **The Outcome of Arthroscopic Treatment for Chronic Locked Posterior Shoulder Dislocation**
Xuxu Chen, MD, Xi'an, Shaanxi, CHINA
- 2014** **Validation of Instability Severity Index Score and 'Glenoid Track' Concept in Predicting Failure of Arthroscopic Bankart Repair**
Tzu-Cheng Yang, MD, Taipei, TAIWAN
- 2015** **Arthroscopic Treatment of Massive Cliff Style Bankart Injury in the Patient with Habitual Dislocation of Shoulder**
Hong Wang, MD, Wuhan, Hubei, CHINA
- 2016** **Biomechanical Evaluation of Glenoid Reconstruction with a J-Bone Graft for Anterior Glenoid Bone-Loss**
Leo Pauzenberger, MD, Vienna, AUSTRIA
- 2018** **The Obsolete Posterior Dislocation of Shoulder Treated with Modified MacLaughlin Surgery**
Kanglai Tang, MD, PhD, Prof., Chongqing, CHINA
- 2019** **Revision Arthroscopic Shoulder Instability Repair: Soft Tissue Procedure or Latarjet?**
*Emilio Calvo, MD, PhD, MBA
Madrid, SPAIN*
- 2020** **Arthroscopic Socket Bristow: A Novel Surgical Procedure for Treatment of Recurrent Anterior Shoulder Instability**
Lin Lin, MD, PhD, Beijing, CHINA
- 2021** **Coracoid Graft Osteolysis and Subscapularis Muscle Strength Post Latarjet Procedure for Antero-Inferior Shoulder Instability: A Prospective Study**
*John Edmund Benny, MS, FASM
Trichy, Tamil Nadu, INDIA*
- 2022** **Inter-Observer Variability of Glenoid Track Measurement Using Magnetic Resonance Imaging in Patients with Anterior Gleno-Humeral Instability**
Max Ekdahl, MD, Santiago, RM, CHILE
- 2023** **Combined Arthroscopic Shoulder Stabilization and Rotator Cuff Repair in Athletes**
Leonardo Osti, MD, Modena, ITALY
- 2024** **A Novel Flexible Drill Device Enabling Arthroscopic Transosseous Repair of Bankart Lesions**
*Jin Soo Park, MD
Seoul, REPUBLIC OF KOREA*
- 2025** **Arthroscopic Treatment for Shoulder Instability with Glenoid Bone Loss Using Distal Tibia Allograft Augmentation**
*Ivan Wong, MD
Halifax, NS, CANADA*
- 2026** **One-Stage Arthroscopic Treatment of Posterior Shoulder Dislocation Complicated With Rotator Cuff Tears**
Hui Kang, Prof., Xi An, CHINA
- 2027** **The Influence of Hill-Sachs Lesions and Glenoid Deficiencies on Recurrence and Functional Outcome after Arthroscopic Bankart Repair. A Single-Institution Experience**
*Ken Lee Puah, MBBS (S'pore), MRCSEd,
M.Med (Ortho Surg), Singapore, SINGAPORE*
- 2028** **Does a Trough on the Anterior Glenoid Rim Make a Difference in Arthroscopic Bankart Repair Using Suture Anchors?**
*Sung Woo Hong, MD
Seoul, REPUBLIC OF KOREA*
- 2029** **Scapular Spine Dimensions and Viability as a Bone Graft Donor Site for Glenoid Augmentation**
*Marc Tompkins,
Minneapolis, MN, UNITED STATES*
- 2030** **Impact of Sagittal Rotation on Axial Glenoid Width Measurement in the Setting of Glenoid Bone Loss**
*Rachel M. Frank, MD
Chicago, IL, UNITED STATES*
- 2031** **Recurrent Anterior Shoulder Instability with Combined Bone Loss: Treatment and Results with the Modified Latarjet Procedure**
*Justin Shu Yang, MD
Los Angeles, CA, UNITED STATES*
- 2032** **Arthroscopic Posterior Bone Block Augmentation of the Glenoid for Posterior Instability**
*Kenneth Cutbush, MBBS, FRACS, FAOrthA
Brisbane, QLD, AUSTRALIA*
- 2033** **Bankart Repair and Remplissage for On-Track Hill-Sachs Lesion in Collision Athletes**
*Peter Damos, MD, FRCS (Tr&Orth)
Cambridge, UNITED KINGDOM*
- 2034** **Biomechanical Analysis of Plate Fixation in the Latarjet Procedure**
*Rachel M. Frank, MD
Chicago, IL, UNITED STATES*
- 2035** **Factors Related to Shapes of Hill-Sachs Lesion**
*Kazuhiro Shibayama, MD
Shibuya-ku, Tokyo, JAPAN*
- 2036** **Glenoid Labral Articular Disruption (GLAD) Lesions are Associated with a Higher Failure Rate Following Arthroscopic Bankart Repair for Traumatic Anteroinferior Instability of the Shoulder**
*Jonas Pogorzelski, MD, MHBA
Vail, CO, UNITED STATES*
- 2037** **Does Anterior Shoulder Dislocation Occur in External Rotation and Abduction?**
*Alberto Enrique Martinez, MD
Bogota, COLOMBIA*

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- 2038** **The Effect of the Arthroscopic Augmentation of the Subscapularis Tendon on Shoulder Instability and Range of Motion: A Biomechanical Study**
Steffen Schröter, MD, PD
Tübingen, GERMANY
- 2039** **Functional Outcomes Following Latarjet Reconstruction in Patients with Anterior Shoulder Instability with Gleno Humeral Bone Loss or Previous Failed Bankart Repair**
Ashish Devgun, Prof., MS, MSc(Trauma)
Rohtak, Haryana, INDIA
- 2040** **Arthroscopic Circumferential Labral Repair for Patients with Multi-Directional Instability: A Comparative Outcome Study**
Thomas J. Gill, MD
Dedham, MA, UNITED STATES
- 2041** **Revision vs. Primary Arthroscopic Bankart Repair for Recurrent Anterior Shoulder Instability: A Comparative Matched Group Analysis**
Thomas J. Gill, MD
Dedham, MA, UNITED STATES

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- 2101** **Anatomical Investigation of the Acromion Shape, Thickness and Bone Mineral Density to Support Treatment of Acromioclavicular Joint Instability**
Felix Dyrna, MD, München, GERMANY
- 2102** **The Degree of Beach Chair Position During Shoulder Arthroscopy. Does it Affect Cerebral Oxygenation? A Prospective Comparative Study**
Tarek Mohamed Taha Ghandour, MD
Abudhai, UNITED ARAB EMIRATES
- 2103** **Can we Reconstruct the Coraco-Clavicular Ligament at Anatomical Position using the Arthroscopy in Patients with Acromio-Clavicular Joint Dislocation?**
Kenichi Matsumura, MD, Osaka, JAPAN
- 2104** **Surgical Release of the Pectoralis Minor Tendon for Scapular Dyskinesia and Shoulder Pain**
Matthew T. Provencher, MD
Vail, CO, UNITED STATES
- 2105** **Coracoclavicular Stabilization Using a Suture Button Device for Neer Type IIB Lateral Clavicle Fractures**
Chul-Hyun Cho, MD, PhD
Deagu, REPUBLIC OF KOREA
- 2106** **Is Primary Frozen Shoulder Completely Resolved at Two Years after the Onset of Disease?**
Chul-Hyun Cho, MD, PhD
Deagu, REPUBLIC OF KOREA
- 2107** **The Effect of a Single-Application of 10% Benzoyl Peroxide Surgical Skin Preparation on the Incidence of Deep Colonization with P. Acnes in Shoulder Arthroscopy**
Wesley M. Nottage, MD
Laguna Hills, CA, UNITED STATES
- 2108** **Percutaneous Approach with a Short, Locking-Nail in Displaced Surgical-Neck Fractures: An Alternative to Plating and Pinning?**
Thomas D'ollonne, MD, Nice, FRANCE
- 2109** **Ultrasonographic Findings of Little Leaguer's Shoulder in Adolescent Baseball Players**
Ki Bong Park, MD, Busan, REPUBLIC OF KOREA
- 2110** **Long Biceps Subpectoral Tenodesis with Suspensory Button and Bicortical Fixation**
Nuno Sampaio Gomes, MD, Porto, PORTUGAL
- 2111** **Ultrasonographic Evaluation in Patients with Neurogenic Thoracic Outlet Syndrome: A Preliminary Report**
Hirokazu Honda, MD, PhD
Kurume, Fukuoka, JAPAN
- 2112** **Arthroscopic Coracoclavicular Fixation Technique Using Double Button Knots: Biomechanical Analysis and Clinical Results**
Seung-Jin Lee, MD
Hwaseong-Si, Gyeonggi-do, REPUBLIC OF KOREA
- 2113** **Which is Better for Arthroscopic Tenodesis of the Long Head of the Biceps, Soft Tissue, or Bony Interference Fixation?**
Kyu-Cheol Noh, Prof.
Seoul, REPUBLIC OF KOREA
- 2114** **The Diagnosis and Arthroscopic Treatment of Easily Misdiagnosed Subacromial Synovial Chondromatosis**
Feng Qu, MD, Beijing, CHINA
- 2115** **The Role of MRI in Diagnosing Biceps Chondromalacia**
Mary E. Shorey, BA
New York, NY, UNITED STATES

- 2116** **Chronic Acromioclavicular Dislocation Leads to Internal Impingement**
Yon-Sik Yoo, MD, PhD
Gyeonggi-Do, REPUBLIC OF KOREA
- 2117** **Arthroscopic Tenotomy of the Long Head of Biceps: Muscle Changes at Medium Term Follow Up**
Allan Wang, FRACS PhD FA OrthA
Perth, WA, AUSTRALIA
- 2118** **Frequency of Suprascapular Nerve Entrapment in Elite Tennis Players**
Rafael Arriaza Loureda, MD, PhD
Perillo-Oleiros, La Coruña, SPAIN
- 2119** **Randomized Prospective Analysis of Arthroscopic Suprapectoral and Open Subpectoral Biceps Tenodesis: 1 Year Follow-Up**
Brian Forsythe, MD
Hinsdale, IL, UNITED STATES
- 2120** **Evaluation of Ultra-Long-Toss vs. Straight-Line Throwing on Glenohumeral Range of Motion in Collegiate Baseball Pitchers**
Tianyi David Luo, MD
Winston-Salem, NC, UNITED STATES
- 2121** **Which Shoulder Motions Cause Subacromial Impingement? Evaluating the Vertical Displacement and Peak Strain of the Coracoacromial Ligament by Ultrasound Speckle Tracking Imaging**
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- 2122** **In-Vivo Analysis of the Long Head of the Biceps Tendon Characteristics in Relation to Subpectoral Biceps Tenodesis**
Christopher Laurence Mccrum, MD
Pittsburgh, PA, UNITED STATES
- 2123** **Arthroscopic Surgical Procedure with Dog Bone Button for Distal Clavicle Fractures**
Naohiko Higuchi, MD, Hirakata, Osaka, JAPAN
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Yukihiro Kajita, MD
Ichinomiya-shi, Aichi-ken, JAPAN
- 2125** **Minimally Invasive Double Endobutton Fixation of Displaced Lateral Clavicle Fractures in Athletes**
Maximiliano Ranalletta, MD
Buenos Aires, ARGENTINA
- 2126** **Comparison of Clinical Failure Rate after Two Techniques of Mini-open Biceps Tenodesis: Suture Passage Technique Matters**
Matthew J. Kraeutler, MD
Boulder, CO, UNITED STATES
- 2127** **The Result of Treatment of Proximal Humeral Fractures Using Minimally Invasive Plate Osteosynthesis**
Adel Ebrahimipour Jafarinejad, MD
Tehran, ISLAMIC REPUBLIC OF IRAN
- 2128** **Endoscopic Long Thoracic Nerve Release for Scapular Winging**
Christopher Chuinard, MD, MPH
Traverse City, MI, UNITED STATES
- 2129** **Intra-Articular Steroid Injection for Frozen Shoulder: A Systematic Review and Meta-Analysis of Randomized Controlled Trials with Trial Sequential Analysis**
Yaying Sun, MD, Shanghai, CHINA
- 2130** **Efficacy of Arthroscopic Treatment of the Long Head of the Biceps Tendon Injuries by Double Lasso-Loop Technique**
Yu-Shun Fang, MD, Wuhan, CHINA
- 2131** **Accuracy of the Backward Traction Tests in the Diagnosis of Bicipital Sheath Lesions and Bicipital Tendonitis: Comparison with Arthroscopic Findings**
Weiming Wang, MD, PhD
Dalian, Liaoning, CHINA
- 2132** **Long-Term Clinical Outcomes after Microfracture of the Glenohumeral Joint: Minimum Seven-Year Follow-Up**
Rachel M. Frank, MD
Chicago, IL, UNITED STATES
- 2133** **Alterations In Sleep Position Correlate with Shoulder Pain**
Christopher S. Lee, MD, MBA
Burbank, CA, UNITED STATES
- 2134** **Arthroscopic Release of Frozen Shoulder: Early Results in a Prospective Cohort**
Kenneth Cutbush, MBBS, FRACS, FAOrthA
Brisbane, QLD, AUSTRALIA
- 2135** **Treatment Efficacy of Degenerative Shoulder Lesions did Not Improve in Denmark from 1996 To 2013. A Registry Study of 244,519 Patients**
Kristoffer Weisskirchner Barfod, MD, PhD
Copenhagen, DENMARK
- 2136** **Long Biceps Tenotomy Associated with Capsular Release for the Treatment of Shoulder Stiffness**
Edoardo Franceschetti, MD, Rome, ITALY
- 2137** **Does the Release of Transverse Ligament Improve the Results of High Arthroscopic Tenodesis?**
Edoardo Franceschetti, MD, Rome, ITALY
- 2138** **Corticosteroid Injections Accelerate Pain Relief and Recovery of Function Compared with Oral NSAIDS in Patients with Adhesive Capsulitis: A Randomized Controlled Trial**
Maximiliano Ranalletta, MD
Buenos Aires, ARGENTINA
- 2139** **Mid-Term Outcomes after Arthroscopic Anteroinferior Capsular Release for Idiopathic Adhesive Capsulitis**
Maximiliano Ranalletta, MD
Buenos Aires, ARGENTINA

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- 2201** **Transtendon Double-Row Suture Bridge Technique for Repair of The Grade III Partial Articular Supraspinatus Tendon Avulsion**
Zimin Wang, PhD, Shanghai, CHINA
- 2202** **Evaluation of Distal Pullout Strength of the Biceps Long Head Tendon According to Pathologies in Rotator Cuff Repair**
*Sae Hoon Kim, MD, PhD
Seoul, REPUBLIC OF KOREA*
- 2203** **Biomechanical Characteristics of Innovative and Standard Rotator Cuff Tear Repair Augmentation Techniques**
*Geoffrey Bessom Higgs, MD
Richmond, VA, UNITED STATES*
- 2204** **Direct Cost Analysis of Outpatient Arthroscopic Rotator Cuff Repair in Medicare and Non-Medicare Populations**
*Seth Gamradt, MD
Los Angeles, CA, UNITED STATES*
- 2205** **Outcome Comparison Between In Situ Repair vs. Tear Completion Repair for Partial Thickness Rotator Cuff Tears**
*Yang-Soo Kim, MD, PhD, Prof.
Seoul, REPUBLIC OF KOREA*
- 2206** **Efficacy of Suprascapular Nerve Block Compared with Subacromial Injection: A Randomized Controlled Trial in Patients with Rotator Cuff Tears**
*Ashish Gupta, MBBS, MSC, FRACS
Brisbane, QLD, AUSTRALIA*
- 2207** **How Much Should We Inject of Steroid Injection for Treatment of Primary Shoulder Stiffness: A Prospective Randomized Controlled Trial with High- and Low-Dose Steroid Injection**
In Park, MD, Seoul, REPUBLIC OF KOREA
- 2208** **Rotator Cuff Repair Result in Over 70-Year Old's: Clinical Improvements are Significant and Healing Rates are Good but Inferior to Younger Patients but Beware of Postoperative Compliance**
*Mark David Haber, MBBS, FRACS
Wollongong, NSW, AUSTRALIA*
- 2209** **Randomized Controlled Prospective Trial for Rotator Cuff Tear Repair with Medialized Single Row Suture Anchors and Augmentation with Porcine Dermal Patch**
Paolo Avanzi, MD, Negrar, Verona, ITALY
- 2210** **Timing of Repair in Degenerative Cuff Tears: How Long Can We Wait?**
*Ronald L. Diercks, Prof., MD, PhD
Groningen, NETHERLANDS*
- 2211** **Mesenchymal Stem Cells in the Reconstruction Surgery of the Supraspinatus Muscle Lesions**
*Radek Hart, Prof., MD, PhD, FRCS
Znojmo, CZECH REPUBLIC*
- 2212** **The Clinical Characteristics of Isolated Infrapinatus Tear and the Usefulness of the Infrapinatus View on MRI**
*Kyoung Jin Park, MD, PhD
Cheongju, Chungbuk, REPUBLIC OF KOREA*
- 2213** **Effect of Repair Tension in Arthroscopic Rotator Cuff Repair on the Tendon Healing**
*Yoshitsugu Takeda, MD, PhD
Komatsushima, Tokushima, JAPAN*
- 2214** **Biomechanical Advantage of a Superior Lateral Placed Anchor for Subscapularis Footprint Reconstruction**
Felix Dyrna, MD, München, GERMANY
- 2215** **A Study on the Efficacy of Platelet Rich Plasma in the Treatment of Rotator Cuff Tendinitis**
*Vineet Thomas Abraham, MBBS, MS Orthopaedics
Pondicherry, INDIA*
- 2216** **Critical Shoulder Angle and Acromion Index do not Influence Mid Term Functional Outcome after Arthroscopic Rotator Cuff Repair**
*Ming Han Lincoln Liow, MBBS, DWD (CAW),
MRCS (Edin), MMed (Ortho)
Singapore, SINGAPORE*
- 2217** **Does Patient Education Prior to Arthroscopic Rotator Cuff Repair Decrease Narcotic Consumption? A Randomized Prospective Study**
*Michael G. Ciccotti, MD
Philadelphia, PA, UNITED STATES*
- 2218** **Comparison of Suture Bridge vs. Layered Suture Bridge Technique for Delaminated Tear of Supraspinatus Tendon**
*Kyoung Jin Park, MD, PhD
Cheongju, Chungbuk, REPUBLIC OF KOREA*
- 2219** **Long Preoperative Duration of Symptoms is Associated with Worse Functional Outcomes after One-Stage Arthroscopic Treatment of Rotator Cuff Tears with Shoulder Stiffness**
Yuzhou Chen, Shanghai City, CHINA
- 2220** **Arthroscopic Superior Capsular Reconstruction with Minimally Invasive Harvesting of Autologous Fascia Lata for Complete Rotator Cuff Tears: Better Outcomes at Early Milestones?**
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- 2221** **Arthroscopic Fascial Patch Grafting Combined with Superior Capsular Reconstruction Using Long Head of Biceps for Irreparable Rotator Cuff Tears**
Kazuhiko Kikugawa, MD, PhD
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- 2222** **Clinical Results of Preservation Intact Articular Fibers Using Single-Row Repair for Bursal-Sided Partial-Thickness Rotator Cuff Tears: Comparison with the Double-Row Suture-Bridge Technique**
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- 2224** **Arthroscopic Subscapularis Repair Using a Single Anchor – Functional and Structural Outcome**
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- 2226** **Rotator Cuff Tears Combined with Long Head of the Biceps Tendon Lesions: Tenotomy vs. Tenodesis**
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- 2228** **Relationship Between Re-Tear and Preoperative Fatty Degeneration of the Cuff Muscle: Quantitative T2 Mapping Study in Large and Massive Rotator Cuff Tears**
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- 2229** **Biodegradation of Biocomposite Suture Anchor Implants 2, Two Years after Rotator Cuff Repair**
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- 2230** **Characteristics and Treatment Strategies of Bony Bankart Lesion Accompanied with Rotator Cuff Tears**
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- 2231** **A Meta-Analysis Comparing Single-Row and Double-Row Repair Techniques in the Treatment of Rotator Cuff Tears**
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- 2232** **Postoperative Analgesia for Arthroscopic Rotator Cuff Suture with Continuous Sub Acromial Infusion of Local Anesthetic**
Alexandre De Almeida, MD
Caxias do Sul, RS, BRAZIL
- 2233** **“Tissue-Bridge” Technique to Repair Rotator Cuff Tear**
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- 2234** **Concomitant Coracoplasty During Arthroscopic Subscapularis Repair: Is it Necessary for Better Clinical Outcomes and Structural Integrity?**
Yong-Min Chun, MD, PhD
Seoul, REPUBLIC OF KOREA
- 2235** **Change of MRI Findings after Arthroscopic Rotator Cuff Repair with Fascia Lata Graft Augmentation**
Takeshi Kokubu, MD, PhD, Kobe, JAPAN
- 2236** **Effect of bFGF-Loaded Ca5(Po4)2Sio4 Bioceramic on Tendon-to-Bone Healing after Repair of Chronic Rotator Cuff Tear**
Song Zhao, MD, Shanghai, CHINA
- 2237** **The Analysis of the Relationship Between Subscapularis Tendon Tear and Coracohumeral Distance**
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- 2238** **Getting Toward a Change in Practice Behaviour: Effectivity of a New Guideline for Diagnosis and Treatment of Subacromial Pain Syndrome**
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- 2239** **Fluoroscopy Guided Biodegradable Spacer Implantation Using Local Anesthesia: Safety and Efficacy Study in Patients with Massive Rotator Cuff Tears**
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- 2240** **The Influence of Biglioni Acromion Classification on Rotator Cuff and Biceps Tendon Pathology: A Retrospective Analysis**
Christopher S. Lee, MD, MBA
Burbank, CA, UNITED STATES
- 2241** **Clinical and Radiological Outcomes after Arthroscopic Rotator Cuff Repair in Patients Under 55 Years of Age: Single vs. Double Row Fixation**
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- 2242** **A Double Blinded Prospective Randomised Controlled Trial of a Single Injection of PRP vs. Saline Following Rotator Cuff Repair**
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- 2243** **Does Age Affect Functional Outcome after Rotator Cuff Repair?**
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Ann Arbor, MI, UNITED STATES
- 2244** **Effectiveness of Ultrasound-Guided Platelet-Rich Plasma Injection in Conservative Treatment of Symptomatic Partial Supraspinatus Tear: A Randomized Controlled Trial**
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- 2245** **Effect of Rotator Cuff Tear End Trimming for Reduction of Shoulder Pain after Arthroscopic Shoulder Operation**
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- 2246** **The Results of Partial Repair of Massive Rotator Cuff Tear**
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- 2247** **Treatment of Large / Massive Rotator Cuff Tears Using Human Dermal Allograft (Graftjacket) – Short Term Results**
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- 2249** **Arthroscopic Rotator Cuff Repair by Transosseous Technique, Clinical Results in 83 Cases**
*Mohammadnasir Naderi Varandi, MD
Tehran, ISLAMIC REPUBLIC OF IRAN*
- 2250** **Does The Type III Acromion Need to be Formed in the Rotator Cuff Repair Operation?**
Yu Dong, MD, Shanghai, CHINA
- 2251** **Arthroscopic Repair of Anterosuperior Massive Rotator Cuff Tear: Does Repair Integrity Affect Outcomes?**
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- 2252** **Clinical Outcomes and Repair Integrity after Arthroscopic Full-Thickness Rotator Cuff Repair: Suture-Bridge vs. Double-Row Modified Mason-Allen Technique**
*Kwang-Won Lee, MD, PhD
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- 2253** **Arthroscopic Transtendon Repair of Partial-Thickness Articular-Side Rotator Cuff Tears**
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- 2254** **Tendon-to-Bone Healing Potential of Fascia Lata Autograft in Rotator Cuff Reconstruction**
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- 2255** **Arthroscopic Repair of Partial Bursal Sided Rotator Cuff Tears without Acromioplasty**
*Maximiliano Ranalletta, MD
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- 2256** **A Preliminary Report of Outcomes in Arthroscopic Rotator Repair with Extracellular Matrix Augmentation**
*Mohamed A. Imam, MD, MSc, PhD, FRCS (ORTH)
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- 2257** **10 Years Follow-Up of Mason-Allen Suture for Small to Medium Rotator Cuff Tear**
*Kanglai Tang, MD, PhD, Prof.
Chongqing, CHINA*
- 2258** **Bridging Suture Makes Consistent and Secure Fixation in Double-Row Rotator Cuff Repair**
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- 2259** **Is the Arthroscopic Suture Bridge Suture Technique Suitable for Full-Thickness Rotator Cuff Tears of Any Size? A Comparison of Clinical and Anatomical Outcomes with the Modified Tension Band Suture Technique**
*Sung Hyun Lee, MD
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- 2260** **Reversal of Suprascapular Neuropathy Following Arthroscopic Repair of Massive Rotator Cuff Tear With Routine Nerve Release**
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- 2261** **Outcome Comparison Between In Situ Repair vs. Tear Completion Repair for Partial Thickness Rotator Cuff Tears**
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- 2302** **The Challenge of Patient-Reported Outcome Collection in Sports Medicine Clinical Practice – An Uphill Battle**
*Joshua David Harris, MD
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- 2303** **Treatment of Concussions in High School Athletes: A Proposed Algorithm for Return to Athletic and Academic Activity**
*Thomas J. Gill, MD,
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- 2401** **The Effect of Prior Upper Extremity Surgery on Orthopaedic Injury and Surgery in Elite Collegiate Athletes**
Sharon L. Hame, MD
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- 2402** **The Fragility of Statistically Significant Findings from Randomized Trials in Sports Surgery: A Systematic Survey**
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- 2403** **Shoulder Injuries in Collegiate Football Athletes: Impact on Draft Status and Professional Performance**
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- 2404** **Risk Factors for Glenohumeral Internal Rotation Deficit Among Adolescent Athletes Participating in Overhead-Throw Sports**
Kentaro Ohuchi, MD, Yokote, JAPAN
- 2405** **Prevalence of Degenerative Spine Disorders Among Elite Short Track Speed Skaters**
Andras Tallay, MD, PhD, Budapest, HUNGARY
- 2406** **The American Experience with a Growing Amateur Collision Sport**
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- 2407** **American Youth Rugby-7s: An Emerging Adolescent Collision Sport and its Injuries**
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- 2408** **The Epidemiology of Elbow Injuries in US High School Baseball and Softball Athletes: Does Pitching Style Matter?**
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- 2409** **Upper Extremity Injuries in Elite Female Water Polo – An Epidemiological Study**
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- 2410** **Time-Loss Injuries at the World Karate Championships: A Prospective Study**
Rafael Arriaza Loureda, MD, PhD
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- 2411** **Do Junior High School Rubber Baseball Player Have Fewer Shoulder and Elbow Injuries than Hardball Pitchers?**
Seiji Watanabe, MD, Toon, Ehime, JAPAN
- 2412** **Impact of Sport on Health of Former Professional Soccer Players In Brazil**
Gustavo Gonçalves Arliani, MD, PhD, Prof.
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- 2413** **Musculoskeletal Injuries in Runners During the Cali 2016 Half Marathon**
Juan Pablo Martinez, MD, MSc
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- 2414** **How Do Joint Flexibility and Sports Injuries Undergo a Transition during Two Years in Adolescent?**
Masaru Kadowaki, MD, Izumo, Shimane, JAPAN
- 2415** **Low Risk of Concussions in Top-Level Karate Competition**
Rafael Arriaza Loureda, MD, PhD
Perillo – Oleiros, La Coruña, SPAIN
- 2416** **Relationship Between Humeral Torsion and Career of Pitcher in Elementary and Junior-High Schools**
Hiromichi Hirai, MD, Takatsuki, Osaka, JAPAN
- 2417** **Injuries in Collegiate Female Collegiate Rowers**
Seth Gamradt, MD
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- 2501** **Surgical Treatment of Pectoralis Major Tendon Ruptures: A Retrospective Series of 134 Patients**
Michelle Sugi, MD, MPH
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SPORTS MEDICINE – MUSCLE & TENDON

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| <p>2502 Arthroscopic Surgical Treatment for Congenital Muscular Torticollis Under Local Anesthesia
 <i>Qi Guo, PhD, Zhengzhou, CHINA</i></p> <p>2503 MRI Indirect Radiological Signs of Sport Hernia
 <i>Piero Volpi, MD, Rozzano, ITALY</i></p> <p>2504 Treatment of Developing Thigh Hematomas in Athletes: A Systematic Review
 <i>Tianyi David Luo, MD</i>
 <i>Winston-Salem, NC, UNITED STATES</i></p> <p>2505 Arthroscopically Assisted Radiofrequency to Tread Deltoid Contracture
 <i>Lijia Teng, Beijing, CHINA</i></p> | <p>2506 Association Between Cam-FAI Deformity and Inguinal Pathologies
 <i>Piero Volpi, MD, Rozzano, ITALY</i></p> <p>2507 Gender-Related Hip Strength Differences in Professional Soccer Players
 <i>Joshua David Harris, MD</i>
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 <i>Gunseli Usgu, PhD, Gaziantep, TURKEY</i></p> <p>2509 Delayed Repair of Pectoralis Major Tendon Rupture Using Hamstring Autograft and Bioabsorbable Interference Screw
 <i>Juan Pablo Aguado Fernandez, MD</i>
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WRIST & HAND

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| <p>2601 Early Unprotected Return to Play after Metacarpal Fixation in Professional Contact Athletes
 <i>Gregory Alexander Hoy, FRACS, FAOrthA, FACSP, FASMF, Melbourne, VIC, AUSTRALIA</i></p> <p>2602 Contribution of the Lateral Cutaneous Nerve of Forearm in Wide Awake Thumb Surgery: A Sonographic Study
 <i>Gregory Alexander Hoy, FRACS, FAOrthA, FACSP, FASMF, Melbourne, VIC, AUSTRALIA</i></p> | <p>2603 Clinical Significance of Intracompartmental Septum Between EPB and APL in De Quervain's Disease
 <i>Myung-Sun Kim, MD, PhD</i>
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1 – Royalties
2 – Speaker
3a – Paid Employee
3b – Paid Consultant
3c – Unpaid Consultant
4 – Stock

5 – Research Support
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Yong Seuk Lee, MD, PhD, Prof.	Nothing to Disclose
Hong Li, MD	Nothing to Disclose
Jian Li, MD	Nothing to Disclose
Ryan Li, MD	Nothing to Disclose
Martin Lind, Prof., MD, PhD	Nothing to Disclose
Bo Liu, MD	Nothing to Disclose
Xiao Ning Liu, PhD	Nothing to Disclose
Yujie Liu, MD	Nothing to Disclose
Ian King Yeung Lo, MD	1 – Smith & Nephew, Arthrex; 2 – Smith & Nephew; 3b – Smith & Nephew; 5 – Smith & Nephew, ConMed Linvatec; 7 – Lippincott
Philipp Lobenhoffer, MD, Prof.	2 – Synthes, Zimmer Biomet, Arthrex; 3b – Synthes, Zimmer Biomet, Arthrex; 8 – Arthroscopie
William John Long, MD, FRCSC	1 – Ortho Development; 2 – Ortho Development, Pacira; 3b – Zimmer Biomet, Ortho Development, Pacira; 7 – Elsevier; 8 – Journal of Arthroplasty; 9 – AAOS Knee ICL Committee Member
Umile Giuseppe Longo, MD, MSc, PhD	Nothing to Disclose
Victor Lopez Jr, DO, PhD (2018)	9 – Rugby Research Injury Prevention Group
Breck R. Lord, MA, MBBS, MRCS	Nothing to Disclose
Jiuzhou Lu, MD, PhD	Nothing to Disclose
Wei Lu, MD, PhD, Prof.	Nothing to Disclose
Yi Lu, MD, PhD	Nothing to Disclose
Sebastien Lustig, MD, PhD, Prof.*	2 – Heraeus; 3b – Smith & Nephew; 5 – Tornier, Amplitude; 8 – Maitrise Orthopédique, Orthopaedic Traumatology Surgery and Research
Marcus Vinicius Malheiros Luzo, MD, PhD	Nothing to Disclose
Stephen L. Lyman, PhD	7 – Statistics & Methodology Editor, JBJS American; 8 – Editorial Board, JBJS American
C. Benjamin Ma, MD	5 – Zimmer Biomet, Moximed, Histogenics, NIH, Arthritis Foundation; 7 – SLACK Incorporated
Rodrigo Maestu, MD	3b – Smith & Nephew
Nicola Maffulli, MD, PhD, MS, FRCS(Orth)	Nothing to Disclose
Robert A. Magnussen, MD, MPH	Nothing to Disclose
Tokifumi Majima, MD, PhD	3b – MicroPort; 8 – Journal of Orthopedic Surgery, Sports Health Journal
Gregory B. Maletis, MD	Nothing to Disclose
Andrea Fabio Manunta, Prof.	Nothing to Disclose
Maurilio Marcacci, MD	1 – Fin-Ceramica
Robin Martin, MD	Nothing to Disclose
Alberto Enrique Martinez, MD	2 – ConMed Linvatec; 3b – ConMed Linvatec
Robert G. Marx, MD, MSc, FRCSC*	5 – Synthes; 7 – Springer and Demos Health; 8 – Journal of Bone & Joint Surgery
Shuichi Matsuda, MD, PhD*	5 – Kyocera, Zimmer Biomet, Smith & Nephew
Hideo Matsumoto, MD, PhD	1 – Taisho-Toyama Pharmaceutical Company; 2 – Taisho-Toyama Pharmaceutical Company; 3b – Taisho-Toyama Pharmaceutical Company; 5 – Zimmer Biomet; 7 – Bunkodo; 8 – OJSM, Clinical Sports Medicine; 9 – JOSSM, JCSM
Tomoyuki Matsumoto, MD, PhD	Nothing to Disclose
Takehiko Matsushita, MD	Nothing to Disclose
David Mayman, MD	2 – Smith & Nephew, 3b – Smith & Nephew; 4 – OrthAlign; 9 – Knee Society

DISCLOSURES

Hermann Otto Mayr, MD, Prof.	Nothing to Disclose
Augustus D. Mazzocca, MS, MD	3b – Arthrex; 5 – Arthrex
Eric C. McCarty, MD	3b – Zimmer Biomet; 5 – Smith & Nephew, Arthrex, DePuy Mitek; 7 – Elsevier; 8 – AJSM, Orthopedics, Orthopedics Today; 9 – Boulder Surgery Center, CU Sports Medicine and Performance Center
Jodie Adele McClelland, PhD	Nothing to Disclose
Christopher Laurence Mccrum, MD	Nothing to Disclose
Omer Mei-Dan, MD	3b – Smith & Nephew; 4 – MITA; 5 – Smith & Nephew
Jacques Ménétrey, Prof.	Nothing to Disclose
Duncan E. Meuffels, MD, PhD	9 – President of the Dutch Orthopaedic Sports Medicine Society, Board Member of the Dutch Arthroscopy Society
Teruhisa Mihata, MD, PhD	3b – Arthrex
Bruce S. Miller, MD, MS	3b – FH Orthopedics (Shoulder Arthroplasty); 8 – Editorial Board, AJSM
Yao Ming	Nothing to Disclose
Anthony Miniaci, MD, FRCSC	1 – Arthrosurface / Zimmer Biomet; 2 – Arthrosurface, ConMed, Smith & Nephew; 3b – Arthrosurface, ConMed, Smith & Nephew, Stryker, Zimmer Biomet; 4 – Arthrosurface, DePuy, Medtronic, Stryker, Zimmer Biomet; 6 – Arthrosurface, Stryker; 8 – Wolters Kluwer Health – Lippincott Williams & Wilkins; 9 – American Orthopaedic Society for Sports Medicine, American Shoulder and Elbow Surgeons, Arthroscopy Association of North America, ISAKOS
Nobuaki Miyaji, MD	Nothing to Disclose
Gilbert Moatshe, MD	5 – Received research grant from Anthrax Inc. not related to this work
Nick Mohtadi, MD, MSc, FRCSC*	5 – Linvatec; 8 – AJSM, Clinical Journal of Sports Medicine, Journal of Hip Preservation Surgery, The Physician and Sports Medicine
Joan Carles Monllau, MD, PhD, Prof.	2 – ConMed Linvatec, Smith & Nephew; 3b – ConMed Linvatec, Surgival, Bioiberica; 8 – Editorial Board of Arthroscopy
Takatoshi Morooka, MD	Nothing to Disclose
Ignacio Munoz Criado, MD*	Nothing to Disclose
Conor I. Murphy, MD	Nothing to Disclose
Iain R. Murray, MRCS, DipSportsMed, PhD	8 – Editorial Board Member: Bone and Joint Research (BJR); 9 – Committee Member: British Orthopaedic Research Society (BORS)
Karthik Selvaraj Murugappan, MBBS, MS Orth, DNB, MRCS	Nothing to Disclose
Volker Musahl, MD*	3b – Smith & Nephew Education; 5 – Arthrex, ConMed, DePuy Synthes, Smith & Nephew; 8 – KSSTA; 9 – AOSSM, ESSKA, ISAKOS
Peter T. Myers, MBBS, FRACS, FAOrthA*	2 – Smith & Nephew; 3a – Son – Stryker
Kanto Nagai, MD, PhD	Nothing to Disclose
Atsuo Nakamae, MD, PhD	Nothing to Disclose
Eiichi Nakamura, MD, PhD	Nothing to Disclose
Norimasa Nakamura, MD, PhD	8 – Cartilage, Journal of Orthopaedic Science; 9 – President ICRS
Toshiyasu Nakamura, MD, PhD	Nothing to Disclose
Junsuke Nakase, MD, PhD	Nothing to Disclose
Hiroshi Nakayama, MD	Nothing to Disclose
Denis Nam, MD, MSc	3b – KCI, Smith & Nephew, Zimmer Biomet; 4 – OrthAlign Inc.; 5 – EOS Imaging
Takuya Naraoka, MD	Nothing to Disclose
Thando Ncube, MBChB	Nothing to Disclose
Hiroshi Negi, MD	Nothing to Disclose
Thomas Neri, MD	Nothing to Disclose
Philippe N. Neyret, MD, PhD	1 – Corin / Tornier; 2 – Smith & Nephew; 3b – Amplitude, Smith & Nephew; 7 – Springer Verlag; 9 – Association A. Trillat IAORANA ORTHO, ISAKOS, EFFORT, ACL Study Group
Wuey Min Ng, Prof Dr	Nothing to Disclose
Yohei Nishida, MD	Nothing to Disclose

Cameron Norsworthy, MBBS, FRACS	Nothing to Disclose
Mitsuo Ochi, MD, PhD	1 – Ementoropu Ofutarumikusu; 8 – Journal Cartilage, Regenerative Therapy, Knee Surgery – Sports Traumatology – Arthroscopy; 9 – JOSKAS (Japanese Orthopaedic Society of Knee, Arthroscopy and Sports Medicine), The Japanese Society for Regenerative Medicine, Japan College of Rheumatology, Japan College of Rheumatology, The Central Japan Association of Orthopaedic Surgery & Trauma
Haruki Odagiri, MD	Nothing to Disclose
Luke Seuk-Zin Oh, MD	Nothing to Disclose
Anell Olivos Meza, PhD	Nothing to Disclose
Shuhei Otsuki, MD, PhD	Nothing to Disclose
Anastasios Papadonikolakis, MD, PhD	Nothing to Disclose
Do Young Park, MD	Nothing to Disclose
Kyoung Jin Park, MD, PhD	Nothing to Disclose
Sang Jin Park, MD	Nothing to Disclose
David Anthony Parker, MBBS, BMedSci, FRACS	3b – Arthrex, Amplitude; 4 – 360 Knee Systems, Trium; 5 – Arthrex, Smith & Nephew, Global, Device Technologies, Surgical Therapies; 8 – OJSM, AP-SMART Journal
Ben Parkinson, MBBS, FRACS, F.A.Orth.A	Nothing to Disclose
Sébastien Parratte, Prof., MD, PhD	3b – Zimmer Biomet
Kailas Dilip Patil, MD	Nothing to Disclose
Leo Pauzenberger, MD	Nothing to Disclose
Andrew D. Pearle, MD	2 – Stryker; 3b – Stryker, Zimmer Biomet; 5 – Stryker
Luigi Adriano Pederzini, MD*	Nothing to Disclose
Enrique Esteban Pereira, MD	3b – Acumed
Hélder Miguel Duarte Pereira, MD	8 – KSSTA; 9 – ESSKA-AFAS
Andreas Persson, MD	Nothing to Disclose
Marc J. Philippon, MD	1 – Smith & Nephew, Arthrosurface, Bledsoe, ConMed Linvatec, DonJoy; 3b – Smith & Nephew; 3c – MIS; 4 – Arthrosurface, HIPCO, Vail Valley Surgery Center; 5 – Smith & Nephew, Össur, Arthrex, Siemens; 7 – SLACK Incorporated, Elsevier; 9 – Steadman Philippon Research Institute, ASIAM, Vail Health Services, Vail Valley Surgery Center, ISHA
Chanakarn Phornphutkul, MD	2 – Smith & Nephew, DPS
Sérgio Rocha Piedade, MD, PhD, Associate Professor*	Nothing to Disclose
Halit Pinar, Prof., MD	9 – Vice President of Turkish Society of Orthopedics and Traumatology
Kevin D. Plancher, MD*	5 – Pfizer, Seikagaku; 7 – DT MedSurg; 8 – Arthroscopy: The Journal of Arthroscopic & Related Surgery; DT MedSurg; Operative Techniques in Sports Medicine; Techniques in Orthopaedics; 9 – AAOS; AOSSM; ASES; AANA; ISAKOS; EOA; NY Chapter Arthritis Foundation; NY County Medical Society-Government Affairs; OREF
Marcin Plenzler, MPT	Nothing to Disclose
Gary G. Poehling, MD	4 – Aperion; 8 – Journal of Arthroscopy
Mark Darragh Porter, MD, DSc, FACSP, FRACS, FAOA	Nothing to Disclose
William R. Post, MD	Nothing to Disclose
Andrew James Price, DPhil, FRCS(Orth)	2 – Zimmer Biomet; 3b – Zimmer Biomet; 5 – Zimmer Biomet, Smith & Nephew
Matthew T. Provencher, MD	1 – Arthrex; 3b – Arthrex, Joint Restoration Foundation – Ortho; 7 – SLACK Incorporated; 8 – Orthopedics, Knee, Arthroscopy; 9 – AAOS, AOSSM, ASES, AANA, ISAKOS, SDSI, SOMOS
Ashok Rajgopal, MS, MchOrth, FRCS	1 – Zimmer Biomet; 2 – Zimmer Biomet; 3b – Paid consultant; 9 – Indian Hip and Knee Society
Maximiliano Ranalletta, MD	Nothing to Disclose

DISCLOSURES

Pierre Ranger, MD, MSc, FRCSc	2 – Synvics, Durolane, Vimovo; 3b – Smith & Nephew
Mohammad Razi, MD	Nothing to Disclose
Yong-Girl Rhee, MD	Nothing to Disclose
Gustavo A. Rincon, MD	2 – Smith & Nephew, Mitek Sports Medicine, Sanofi; 3b – Smith & Nephew, Mitek Sports Medicine, Sanofi; 9 – Hospital de San Jose, Bogota, Colombia
Horacio F. Rivarola Etcheto, MD	Nothing to Disclose
James Robinson, MBBS, MRCS, FRCS(orth), MS	2 – Smith & Nephew, Newclip Tecnics
Jacopo Emanuele Rocchi, MSc	Nothing to Disclose
Justin P. Roe, FRACS, A/Prof (UNSW)	5 – Smith & Nephew, 360 Knee Systems
Richard K.N. Ryu, MD	2 – Mitek; 3b – MedBridge; 4 – Rotation Medical; 7 – SLACK Incorporated, Inc; 8 – Orthopedics Today; 9 – AANA, AAOS
Soheil Sabzevari, MD	Nothing to Disclose
Marc R. Safran, MD	1 – Smith & Nephew, Stryker/Howmedica, DJO; 2 – Medacta, Smith & Nephew, ConMed; 3b – Medacta, ConMed; 3c – Biomimmedica; 4 – Biomimmedica; 5 – Smith & Nephew, Össur, DJO, ConMed; 7 – Lippincott Williams & Wilkins, Elsevier; 8 – JISAKOS, JHPS, AJSM; 9 – ISHA, ISAKOS
Sinan Said, MD	Nothing to Disclose
Tim Saier, MD	Nothing to Disclose
Adnan Saithna, BMedSci, MBChB, DipSEM, MSc, FRCS	2 – Arthrex; 3b – Arthrex; 5 – Smith & Nephew, Zimmer Biomet; 8 – Editor of World Journal of Orthopaedics, Invited Editor of Current Orthopaedic Practice
Tomoyuki Saito, MD, PhD	Nothing to Disclose
Thomas G. Sampson, MD	3b – ConMed Linvatec; 9 – Post Street Surgery, City Surgery Center
Kristian Samuelsson, Associate Professor, MD, PhD, MSc	Nothing to Disclose
Parag Kantilal Sancheti, MS (Orth), DNB (Orth), Mch (Orth), FRCS (Ed)	9 – Sancheti Institute for Orthopaedics & Rehabilitation, Pune
Vicente Sanchis-Alfonso, MD, PhD	Nothing to Disclose
Daniel Saris, Prof. dr.	2 – Smith & Nephew, Vericel; 3b – Smith & Nephew, Vericel; 5 – Smith & Nephew, Arthrex, Ivy Sports
Felix Henry Savoie III, MD*	1 – Exactech; 2 – Smith & Nephew, Mitek; 3c – Rotation Medical; 8 – Arthroscopy JBOT; 9 – ASES
Sven U. Scheffler, MD, PhD	2 – Smith & Nephew; 3c – Smith & Nephew; 8 – AJSM 9 – Bundesverband für Arthroskopie (BVASK) Board Member
Andrés Schmidt-Hebbel, MD	Nothing to Disclose
Steffen Schröter, MD, PD	3b – DePuy Synthes
Karl F. Schüttler, MD	2 – Geistlich Biomaterials; 5 – ArthroKinetics, AO
Romain Seil, Prof., MD	2 – Smith & Nephew; 5 – Arthrex; 8 – Editorial Board of KSSTA, Board of Trustees Journal of Experimental Orthopaedics, Co-editor of Arthroscopie, Co-editor of Sportorthopädie-Sporttraumatologie; 9 – Co-director Luxembourg Olympic Medical Centre, Co-director Sports Medicine Research Laboratory – Luxembourg Institute of Health, President of ESSKA, Board Member of GOTS, Chairman advisory board of LUNEX University
Jong-Keun Seon, MD, PhD	Nothing to Disclose
Elvire Servien, MD, PhD, Prof.	Nothing to Disclose
Nuno Seivas, MD	2 – Smith & Nephew
Bujar Shabani, PhD	Nothing to Disclose
Yunchao Shao, MD	Nothing to Disclose
Aman Sharma, MS	Nothing to Disclose
Kevin P. Shea, MD	Nothing to Disclose
Seth Lawrence Sherman, MD	3b – Arthrex, Neotix, Regeneration Technologies, Vericel; 5 – Arthrex, Zimmer Biomet; 8 – ACL Study Group; American Journal of Orthopaedics, AOSSM, Arthroscopy, AANA
Kazuhiro Shibayama, MD	Nothing to Disclose

Seungbo Shim, MD	Nothing to Disclose
Muhammad Shoifi, MD	Nothing to Disclose
Petri J. Sillanpää, MD, PhD	Nothing to Disclose
Daniel Adolfo Slullitel, MD, Prof.	Nothing to Disclose
Robert Jacek Smigielski, MD	2 – Medacta
Lynn Snyder-Mackler, PT, ScD, FAPTA	7 – JOSPT
Eun Kyoo Song, Prof., MD, PhD	Nothing to Disclose
Guanyang Song, MD	Nothing to Disclose
Bertrand Sonnerly-Cottet, MD	1 – Arthrex; 3b – Arthrex
Tim Spalding, FRCS(Orth)	1 – Episurf; 2 – Smith & Nephew; 3b – Episurf; 5 – Zimmer Biomet
Robert A. Stanton, MD	2 – Össur; 3c – Soft Tissue Regeneration; 4 – Soft Tissue Regeneration; 8 – Medical Publishing Board, AOSSM; 9 – AOSSM, Bridgeport Hospital Foundation
Kevin R. Stone, MD	4 – Aperion Biologic; 9 – San Francisco Surgery Center
Truls Martin Straume-Næsheim, MD, PhD	Nothing to Disclose
Allston J. Stubbs, MD*	3b – Smith & Nephew; 4 – Johnson & Johnson; 5 – Bauerfeind; 8 – Journal of Hip Preservation Surgery; 9 – AAOS, ABOS, ISHA, AOSSM, AANA, ISAKOS
Hiroyuki Sugaya, MD	2 – DePuy Synthes, Smith & Nephew, Zimmer Biomet
Mathijs A.M. Suijkerbuijk, BSc	Nothing to Disclose
Silvampatti Ramasamy Sundararajan, MS (Orth)	Nothing to Disclose
Toshikazu Tanaka, MD	Nothing to Disclose
Yasuhito Tanaka, Prof.	Nothing to Disclose
Kanglai Tang, MD, PhD, Prof.	Nothing to Disclose
Sachin Ramchandra Tapasvi, MBBS, MS, DNB, FRCS	2 – Zimmer Biomet, Smith & Nephew
Samih Tarabichi, MD	1 – Zimmer Biomet; 2 – Zimmer Biomet; 3b – Zimmer Biomet; 6 – Zimmer Biomet; 7 – Zimmer Biomet
Ettore Taverna, MD	2 – Smith & Nephew
Ran Thein, MD	3a – Sanofi (spouse)
Emmanuel Thienpont, MD	1 – Medacta, Zimmer Biomet; 2 – Lima, Medacta, Zimmer Biomet; 3b – Zimmer Biomet; 7 – JayPee Brothers; 8 – Orthopaedics Today; 9 – European Knee Society, Belgian Knee Society, CAOS Belgium
Simon M. Thompson, MBBS, BSc(Hon), MSc MD(Res), FRCS(Tr & Orth)	Nothing to Disclose
John Tokish, MD	2 – DePuy J&J, Arthrex; 3b – J&J, Arthrex; 7 – Journal of Shoulder and Elbow Surgery; 8 – JSES; 9 – AANA
Marc Tompkins,	Nothing to Disclose
Bruno Toussaint, MD	1 – Zimmer Biomet; 3b – Arthrex, Smith & Nephew, ConMed
Alfred J. Tria, Jr., MD	1 – Smith & Nephew; 2 – Pacira; 3b – Smith & Nephew; 7 – Elsevier
Anders Troelsen, MD, PhD, DMSc, Prof.	3b – Zimmer Biomet; 5 – Zimmer Biomet; 9 – European Knee Society
Maria Tuca, MD	Nothing to Disclose
Bruce C. Twaddle, Prof., MD, FRACS	Nothing to Disclose
Soshi Uchida, MD, PhD	3c – Smith & Nephew, Zimmer Biomet; 5 – Smith & Nephew, Stryker
Hajime Utsunomiya, MD, PhD	Nothing to Disclose
Alex Vaisman, MD	8 – RCHOT; 9 – SCHOT
Werner Van Der Merwe, MBChB, FCS	Nothing to Disclose

DISCLOSURES

Willem Mare van der Merwe, MBChB, FCS, SA Ortho	3b – Arthrex, Tornier; 5 – Arthrex, Tornier; 8 – Journal of ISAKOS
C. Niek Van Dijk, MD, PhD*	3b – Smith & Nephew; 5 – Zimmer Biomet, Smith & Nephew, Arthrex; 8 – JISAKOS, KSSTA, JEO
Pim Adriana Dirkje Van Dijk, BSc	Nothing to Disclose
Mark Van Outeren, MD	Nothing to Disclose
José Ricardo Confraria Varatojo, MD	3b – Stryker, DePuy, Smith & Nephew; 9 – ESSKA Arthroscopic Committee
Andrea Nicole Veljkovic, MD	Nothing to Disclose
Peter Verdonk, MD, PhD	2 – DePuy Synthes, Smith & Nephew, Active Implants, Orteq Sports Medicine; 3b – DePuy Synthes, Smith & Nephew, Active Implants, Orteq Sports Medicine; 4 – Orteq Sports Medicine
Christopher John Vertullo, MBBS, FRACS (Orth), FAOrthA	2 – Zimmer Biomet, Smith & Nephew, Arthrex; 3b – Smith & Nephew; 5 – Ramsay Health, Alocuro; 8 – OJSM; 9 – AKS
Christoffer Von Essen, MD	Nothing to Disclose
Bart Vundelinckx, MD	Nothing to Disclose
Gwendolyn Vuurberg, Bachelor of Health	Nothing to Disclose
Allan Wang, FRACS PhD FA OrthA	3c – Orthocell; 4 – Orthocell; 5 – Device Technologies; 9 – President, Shoulder Elbow Society of Australia, Director Orthopaedic Research Foundation Australian Orthopaedic Association
James H-C. Wang, PhD	Nothing to Disclose
Ketao Wang, MD	Nothing to Disclose
Xiaoxu Wang, Prof	Nothing to Disclose
Alexander E. Weber, MD	Nothing to Disclose
Stephen C. Weber, MD	Nothing to Disclose
Kate E. Webster, PhD	Nothing to Disclose
Kilian Wegmann, MD, PhD	2 – Medartis AG, Stryker; 3b – Medartis AG; 5 – Arthrex, Inc, Medartis AG
Li Weiping, MD	Nothing to Disclose
Daniel Whelan, MD, MSc, FRCSC	Nothing to Disclose
Timothy S. Whitehead, MBBS, FRACS	2 – Smith & Nephew, Arthrex; 3b – Medacta; 5 – Smith & Nephew
Andy Williams, MBBS, FRCS, FRCS (Orth), FFSEM(UK)	2 – Smith & Nephew; 3b – Smith & Nephew; 4 – Innovate Orthopaedics; 5 – Smith & Nephew; 8 – Bone and Joint Journal; 9 – Innovate Orthopaedics, Fortius Clinic and Bone and Joint Journal Editorial Board
Megan Rianne Wolf, MD	Nothing to Disclose
Savio L-Y. Woo, PhD, DSc, DEng	Nothing to Disclose
David Wood, FRACS	3a – DePuy; 5 – Zimmer Biomet
Rick W. Wright, MD	7 – Wolters Kluwer Lippincott Williams & Wilkins; 8 – JBJS, JKS, JAAOS, CORR; 9 – ABOS, AOA
Jia-Lin Wu, MD, MS	Nothing to Disclose
Cody C. Wyles, MD	Nothing to Disclose
Grace Xiong, BA	Nothing to Disclose
Kotaro Yamakado, MD, PhD	Nothing to Disclose
Justin Shu Yang, MD	Nothing to Disclose
Kazunori Yasuda, MD, PhD	Nothing to Disclose
W.P. Yau, MBBS, FRCS, FHKCOS, FHKAM	8 – Clinical Orthopaedics and Related Research
Shin Yokoya, MD, PhD	Nothing to Disclose
Jae Chul Yoo, MD	3b – ConMed Linvatec, Exactech; 3c – Corentec; 5 – Zimmer Biomet; 8 – Arthroscopy
Jung-Ro Yoon, MD, PhD	Nothing to Disclose
Simon W. Young, MD, FRACS	2 – Stryker, Arthrex, DePuy; 3b – Stryker; 4 – Surgical Solutions; 5 – Stryker, Vidacare

Alastair S. Younger, MD, MSc, ChM, FRCS	2 – Acumed, Zimmer Biomet, Wright Medical, Cartiva; 3b – Acumed; 5 – Synthes, Bioventus, Wright, Zimmer Biomet, Acumed, Amniox; 8 – Foot and Ankle International, Editorial Board;
Jia-Kuo Yu, MD, PhD	3c – Zimmer Biomet in the field of MIS TKA; 8 – Orthopaedic Journal of China The Chinese Journal of Minimally Invasive Surgery, Other 8 kinds of orthopaedic journals' members of Editor board.; 9 – CASM, SICOT China, ICRS China and the Chinese Society of Sports Medicine of the Chinese Medical Association
Patrick Shu Hang Yung, FRCS(Orth Surgery), FHKCOS, FHKAM, FRCS, MBChB*	Nothing to Disclose
Stefano Zaffagnini, MD, Prof.*	8 – KSSTA Associate Editor
Akos Zahar, MD	2 – W.Link, Hamburg; 3b – W.Link, Hamburg; 4 – Fresenius, Germany
Alan Zhang, MD	Nothing to Disclose
Lei Zhang, MD, PhD	Nothing to Disclose
Jinzhong Zhao, MD	Nothing to Disclose
Song Zhao, MD	Nothing to Disclose
Libin Zheng, MD	Nothing to Disclose
Ming Hao Zheng, PhD, DM, FRCPath, FRCPA	1 – Orthocell Ltd; 2 – Orthocell Ltd; 3b – Orthocell Ltd; 4 – Orthocell Ltd; 5 – Orthocell Ltd; 8 – various orthopaedic and stem cell therapy journals
Meng Zhu, MD	Nothing to Disclose
Yiming Zhu, MD	Nothing to Disclose
Alexander Zimmerer, MD	Nothing to Disclose
Claudio Zorzi, MD	Nothing to Disclose

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Joy Allen-Joseph	Nothing to Disclose
Kathryn Anderson	Nothing to Disclose
Sarah Corpuz	Nothing to Disclose
Kayleigh Foley	Nothing to Disclose
Beverlee Galstan	Nothing to Disclose
Michele Johnson	Nothing to Disclose
Hilary Merliner	Nothing to Disclose
Kathleen Reyes	Nothing to Disclose

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