FRIDAY, SEPTEMBER 19

3:00 – 3:30 pm  
**IFFAS Opening Session**  
*Mitsuo Kinoshita, MD, PhD, IFFAS President*  
*(Osaka, Japan)*

**Welcome**  
*Charles L. Saltzman, MD, IFFAS Vice President / Program Chair*  
*(Salt Lake City, Utah, USA)*

3:30 – 5:00 pm  
**IFFAS SYMPOSIUM 1: Trauma**  
**Moderators:**  
*Stefan Rammelt, MD, PhD* *(Dresden, Germany)*  
*Mark S. Myerson, MD* *(Baltimore, Maryland, USA)*

3:30 pm  
Pathomechanics and Pathoanatomy of Ankle Fractures: A New Concept  
*Naoki Haraguchi, MD, DMSc* *(Tokyo, Japan)*

3:45 pm  
Deltoid and Spring Ligament Injuries and Reconstruction  
*Beat Hintermann, MD* *(Liestal, Switzerland)*

4:00 pm  
Percutaneous Calcaneal Fracture Fixation – Subtalar Arthroscopy  
*Ian G. Winson, MD* *(Bristol, United Kingdom)*

4:15 pm  
Midfoot (Lisfranc) Lesions: Screws or Plates?  
*Sergio Fernandez, MD* *(Santiago, Chile)*

4:30 – 5:00 pm  
Discussion

5:00 – 5:40 pm  
**IFFAS PAPER SESSION 1 - Scientific Presentations: Trauma**  
**Moderators:**  
*Giovanni Carcuro, MD* *(Santiago, Chile)*  
*Susan N. Ishikawa, MD* *(Collierville, Tennessee, USA)*

5:00 pm  
Comparison of Outcomes between Two Surgical Approaches for Intra-Articular Calcaneal Fractures: Minimally Invasive Sinus Tarsi vs Extensile Lateral Approach  
**Presenting Author:**  
*Yeong-Seub Ahn, MD* *(Gwangju, Republic of Korea)*

**Additional Authors:**  
*Je-Hyoung Yeo, MD; Keun-Bae Lee, MD, PhD*
Operative vs Non-Operative Treatment of Geriatric Ankle Fractures: A Medicare Part A Claims Database Analysis

Presenting Author:
Jason T. Bariteau, MD (Atlanta, Georgia, USA)

Additional Authors:
Ray Y. Hsu, MD; Yoqin Lee, MS, MPH; Vincent Mor, PhD; Roman Hayda, MD Col (Ret); Christopher W. DiGiovanni, MD

The Quality and Utility of Routine Immediate Postoperative Radiographs Following Ankle Fracture Surgery

Presenting Author:
Sara Lyn Miniaci-Coxhead, MD (Rochester, New York, USA)

Additional Authors:
Elizabeth Martin, MD; Joshua G. Hunter, MD; John P. Ketz, MD

Outcome of Open Anatomic Reduction and Temporary Tarsometatarsal Joint Arthrodesis in Isolated Ligamentous Lisfranc Injuries

Presenting Author:
Fabian G. Krause, MD (Berne, Switzerland)

Additional Authors:
Abbasian Mohammadreza, MD; Felix Paradies, MD; Martin Weber, MD

5:20 – 5:40 pm
Discussion

5:40 – 6:20 pm:
IFFAS PAPER SESSION 2 - Scientific Presentations: Midfoot / Forefoot

Moderators:
Stephen P. Bendall, MBBS, FRCS (Ortho) (West Sussex, United Kingdom)
Armen S. Kelikian, MD (Chicago, Illinois, USA)

Biomechanical Comparison of the Weil and Proximal Oblique Second Metatarsal Osteotomies in a Cadaveric Model with Varying Achilles Tension

Presenting Author:
Umur Aydogan, MD (Hershey, Pennsylvania, USA)

Additional Authors:
Blake E. Moore, MD; Seth Andrews, MEng; Greg S. Lewis, PhD

Sensory Nerve Dysfunction after Hallux Valgus Correction: A Prospective Study

Presenting Author:
James R. Jastifer, MD (Boise, Idaho, USA)

Additional Authors:
Michael J. Coughlin, MD; Jesse F. Doty, MD; Faustin R. Stevens, MD; Christopher B. Hirose, MD; Travis J. Kemp, MD

The Contribution of Lateral Column Lengthening to the Correction of Forefoot Abduction in Stage IIB Adult Acquired Flatfoot Deformity Reconstruction

Presenting Author:
Jeremy Y. Chan, BS (New York, New York, USA)

Additional Authors:
Stephen Greenfield, MD; Huong T. Do, MA; Scott J. Ellis, MD

Recreational Sport Activity after Subtalar Arthroereisis for Pediatric Flatfoot

Presenting Author:
Alberto Bianchi, MD (Milan, Italy)

Additional Authors:
Carlo Bonifacini, MD; Nicolò Martinelli, MD; Giovanni Romeo, MD; Elena Sartorelli, MD; Francesco E. Malerba, MD
6:00 pm
Radiographic Study of the Fifth Metatarsal for Optimal Intramedullary Screw Fixation of Jones Fracture
Presenting Author:
George Ochenjele, MD (Chicago, Illinois, USA)
Additional Authors:
Bryant Ho, MD; Paul J. Switaj, MD; Niin Goyal, BS; Anish R. Kadakia, MD

6:05 – 6:20 pm
Discussion

7:00 – 8:30 pm
IFFAS Opening Reception (Ticket Required)
The Crystal Gardens, Navy Pier

SATURDAY, SEPTEMBER 20

6:00 – 7:00 am
Continental Breakfast

7:00 – 8:30 am
IFFAS SYMPOSIUM 2: Treatment Of Ankle And Hindfoot: Revision Strategies
Moderators:
Martinus Richter, MD, PhD (Schwarzenbruck, Bavaria, Germany)
Florian Nickisch, MD (Salt Lake City, Utah, USA)

7:00 am
Joint Preserving Surgery of Ankle Osteoarthritis
Victor Valderrabano, MD, PhD (Basel, Switzerland)

7:15 am
Salvage Strategies for Hindfoot Problems
Jin Woo Lee, MD, PhD (Seoul, Korea)

7:30 am
Strategies for Correction of Hindfoot Misalignments
Emilio Wagner, MD (Santiago, Chile)

7:45 am
Mal-Alignment in the Hindfoot: Unique Cases with Soft Tissue Concerns
Mark A. Glazebrook, MD, MSc, PhD (Halifax, NS, Canada)

8:00 – 8:30 am
Discussion

8:30 – 8:35 am
IFFAS Prize/Award Recognition:
• Takakura Award
• President’s Prize

8:35 – 9:25 am
IFFAS PAPER SESSION 3 - Scientific Presentations: Ankle
Moderators:
Andy Goldberg, MD (London, United Kingdom)
Michael E. Brage, MD (Seattle, Washington, USA)

8:35 am
Patient Expectation and Satisfaction as Measures of Surgical Outcome in End-Stage Ankle Arthritis: A Prospective Cohort Study of Ankle Joint Replacement vs Ankle Fusion
Presenting Author:
Alastair S.E. Younger, MD, MBCHB, MSc, CHM
(Vancouver, BC, Canada)
Additional Authors:
Mark A. Glazebrook, MSc, PhD, MD; Timothy R. Daniels, MD; Murray J. Penner, MD; Kevin J. Wing, MD; Hubert Wong, PhD; Peter Dryden, MSc, MD; Karl A. Lalonde, MD
**8:42 am**  
Correlation between Static Radiographic Measurements and Inter-segmental Angles Measurements during Gait Using a Multi-segment Foot Model with a 15 Marker Set  
*Presenting Author:* Sang Gyo Seo, MD (Seoul, South Korea)  
*Additional Authors:* Kyoung Min Lee, MD; Chin Youb Chung, MD; In Ho Choi, MD; Dong Yeon Lee, MD, PhD

**8:50 am**  
The Impact of Diabetes on the Mid-Term Outcome of Total Ankle Arthroplasty  
*Presenting Author:* Moses Lee, MD (Seoul, South Korea)  
*Additional Authors:* Jin Woo Lee, MD, PhD; Seung Hwan Han, MD; Woo Jin Choi, MD; Jae Sang Lee, MD; Jun Beum Shin, MD; Yoo Jung Park, MD

**8:55 am**  
Does Hindfoot Arthrodesis Increase the Rate of Failure of Total Ankle Arthroplasty? A Retrospective Study  
*Presenting Author:* Raheel Shariff, FRCS (Tr & Orth) (Liverpool, United Kingdom)  
*Additional Authors:* Ezequiel Palmanovich, MD; Mark S. Myerson, MD; Amiethab Aiyer, MD

**9:00 am**  
Total Ankle Replacement vs Ankle Arthrodesis in Shoes  
*Presenting Author:* Arno Frigg, MD, PhD (Zurich, Switzerland)  
*Additional Authors:* Juliane Schäfer, PhD; Hugh Dougall, MD; Victor Valderrabano, MD, PhD; Rachel Rosenthal, MD

**9:05 am**  
An Independent Audit of the New Zealand Joint Registry (NZJR) at 13 Years – Are We Adequately Capturing Revision Data?  
*Presenting Author:* Dawson C. Muir, MD (Tauranga, New Zealand)  
*Additional Authors:* Rupesh Puna, MD; Vahe Sahakian, MD; Clark Baker, MD

**9:10 – 9:25 am**  
Discussion

**9:25 – 10:05 am**  
**IFFAS PAPER SESSION 4 - Scientific Presentations: OLT**  
*Moderators:* Oscar Castro Aragon, MD (San Jose, Costa Rica)  
Glenn B. Pfeffer, MD (Los Angeles, California, USA)

**9:25 am**  
Comparison of Early vs Delayed Weightbearing Outcomes after Microfracture for Small to Midsized Osteochondral Lesions of the Talus  
*Presenting Author:* Keun-Bae Lee, MD, PhD (Gwangju, Republic of Korea)  
*Additional Authors:* Dong-Hyun Lee, MD; Seung-Hyun Lee, MD

**9:30 am**  
7-Year Follow-Up of Matrix-Induced Autologous Chondrocyte Implantation of Talus Articular Defects  
*Presenting Author:* Christopher D. Kreulen, MD (Sacramento, California, USA)  
*Additional Authors:* Eric Giza, MD; Judie Walton, PhD; Martin R. Sullivan, MD, FRACS
9:35 am  Matrix-Associated Stem Cell Transplantation (MAST) in Chondral Defects of Foot and Ankle is Safe and Effective  
**Presenting Author:**  
Martinus Richter, MD, PhD (Schwarzenbruck, Bavaria, Germany)  
**Additional Author:**  
Stefan Zech, MD

9:40 am  Treatment of Extended Osteochondral Lesion of Talus by a Free Vascularized Bone Graft from Medial Condyle of Femur  
**Presenting Author:**  
Beat Hintermann, MD (Liestal, Switzerland)  
**Additional Authors:**  
Markus Knupp, MD; Christine Schweizer, MSc; Dirk Schaefer, MD

9:45 am  Level of Evidence and Quality of Studies on Surgical Repair of Osteochondral Lesions of the Ankle  
**Presenting Author:**  
John M. Pinski, BS, MS (New York, New York, USA)  
**Additional Authors:**  
Lorraine Boakye, BA; Keir Ross, BS; Charles P. Hannon, BS; Christopher D. Murawski, BS; Niall A. Smyth, MD; Yan Ma, PhD; John G. Kennedy, MD

9:50 – 10:05 am  Discussion

10:05 – 10:20 am  Break / Foyer

10:20 – 11:50 am  IFFAS SYMPOSIUM 3: Achilles Tendon  
**Moderators:**  
Tze-Choong Low, MBBS, FRCS (Kuala Lumpur, Malaysia)  
Phinit Phisitkul, MD (Iowa City, Iowa, USA)

10:20 am  Chronic Achilles Tendon Ruptures  
Jean-Luc Besse, MD, PhD (Cedex, France)

10:35 am  Endoscopic Management of Heel Cord Pain after Repair of Acute Rupture of Achilles Tendon  
Tun Hing Lui, MBBS, FRCS, FHKAM, FHKCOS (Hong Kong, China)

10:50 am  Non Insertional Achilles Tendinopathy: Avoiding Tissue Resection or Tendon Transfers  
Emilio Wagner, MD (Santiago, Chile)

11:05 am  Haglund Deformity and Insertional Achilles Tendon Disease  
Thomas O. Clanton, MD (Vail, Colorado, USA)

11:20 – 11:50 am  Discussion

11:50 am – 12:20 pm  IFFAS PAPER SESSION 5 - Scientific Presentations: Achilles Tendon  
**Moderators:**  
Hideo Noguchi, MD (Gyoda, Japan)  
John Negrine, MD (Randwick, Australia)

11:50 am  A Prospective Analysis of Biomechanical Foot Function Following an Isolated Gastrocnemius Recession for Achilles Tendinopathy  
**Presenting Author:**  
Benedict F. DiGiovanni, MD (Rochester, New York, USA)  
**Additional Authors:**  
Frank E. Dilberto, PT, MS; Josh Tome, MS; Raymond K. Tan, MD; Deborah A. Nawoczenski, PT, PhD
11:55 am  Flexor Hallucis Transfer for Chronic Achilles Tendon Rupture – All Arthroscopic Technique  
**Presenting Author:** Choon Chiet Hong, MBBS, MRCS (Singapore)  
**Additional Authors:** Kushal Nag, MBBS, MS (Ortho); Wei Ting Lee, MBBS, MRCS, MMed (Ortho); Ken Jin Tan, MBBS, MRCS, MMEd (Ortho)

12:00 pm  Outcomes of Open and Minimally Invasive Gastrosoleus Lengthening Techniques: A Comparative Study  
**Presenting Author:** Chamnanni Rungprasai, MD (Iowa City, Iowa, USA)  
**Additional Authors:** Ongart Phruetthiphat, MD; John E. Femino, MD; Annunziato Amendola, MD; Phinit Phisitkul, MD

12:05 pm  Quantitative Measurement of Achilles Tendon Elasticity Using Ultrasound Elastography: Measurement Repeatability and Normative Value  
**Presenting Author:** Yohei Yamamoto, MD (Chiba, Japan)  
**Additional Authors:** Satoshi Yamaguchi, MD, PhD; Takahisa Sasho, MD, PhD; Taisuke Fukawa, MD; Yorikazu Akatsu, MD; Kenji Takahashi, PhD; Kengo Nagashima, PhD; Kazuhisa Takahashi, MD, PhD

12:10 – 12:20 pm  Discussion

12:20 – 1:00 pm  IFFAS PAPER SESSION 6 - Scientific Presentations: Plantar Fascia  
**Moderators:** William Edwards, MD (Melbourne, Australia)  
Saturo Ozeki, MD, PhD (Kohigaya, Japan)

12:20 pm  Gastrocnemius Proximal Release in the Treatment of Chronic Plantar Fasciitis: A Prospective Study of Our First 50 Cases  
**Presenting Author:** Manuel Monteagudo, MD (Madrid, Spain)  
**Additional Author:** Ernesto Maceira, MD

12:25 pm  Comparison of the Effect of Hyaluronic Acid Injection and Dry Needling in Patients with Incurable Plantar Fasciitis  
**Presenting Author:** Kang Lee, MD (Gangwondo, Republic of Korea)  
**Additional Authors:** Kye Yong Han, MD; Chang Hyun Ryu, MD

12:30 pm  Treatment of Plantar Fasciitis with Xeomin: A Randomized, Placebo-Controlled, Double-Blinded, Prospective Study  
**Presenting Author:** Jamal Ahmad, MD (Philadelphia, Pennsylvania, USA)  
**Additional Authors:** Kennis Jones, BA; Stacy H. Ahmad, DO

12:35 pm  Improving the Consent Process in Foot and Ankle Surgery – The Use of Consent Clinics and Patient Specific Literature  
**Presenting Author:** Christopher Cowan, BSc, MChB (Wirral, United Kingdom)  
**Additional Authors:** Raju Ahluwalia, FRCS (T & O); Nicholas Howard, MBChB, MRCS; Gillian Jackson, MBChB, MRCS, FRCS (T & O); Michael Hennessy, FRCS (Ortho); Simon R. Platt, FRCS, MBChB
12:40 pm  
**Randomized, Controlled, Double-Blinded, Single-Center, Prospective Study Comparing Plantar Fasciitis Injection of Micronized Amniotic Membrane to Steroid Injection**  
*Presenting Author:* Robert D. Santrock, MD (Morgantown, West Virginia, USA)  
*Additional Authors:* Andrew E. Hanselman, MD; Justin Daigre, MD; Trapper Lalli, MD; Karim Boukhemis, MD

12:45 – 1:00 pm  
**Discussion**

1:00 – 2:00 pm  
**Box Lunch**

2:00 – 3:30 pm  
**IFFAS SYMPOSIUM 4: Neurologic Foot**  
*Modemators:*  
Sunil Dhar, MBBS, MS Ortho (Nottingham, United Kingdom)  
Fabian Krause, MD (Berne, Switzerland)

2:00 pm  
**Reconstruction Techniques in Neuromuscular Deformities**  
Per-Henrik Agren, MD (Stockholm, Sweden)

2:15 pm  
**Realignment Surgery for Severe Talar Tilt Secondary to Paralytic Cavovarus Foot**  
Woo Chun Lee, MD (Seoul, Korea)

2:30 pm  
**Considerations for Tendon Transfers in Cavus Foot**  
Cristian A. Ortiz, MD (Santiago, Chile)

2:45 pm  
**How I Treat CMT Disease**  
J. Chris Coetzee, MD (Edina, Minnesota, USA)

3:00 – 3:30 pm  
**Discussion**

3:30 – 3:50 pm  
**Break**

3:50 – 4:30 pm  
**IFFAS PAPER SESSION 7 - Scientific Presentations: Charcot**  
*Modemators:*  
Mohamed Maged Mekhaimar (Doha, Qatar)  
Loretta B. Chou, MD (Redwood City, California, USA)

3:50 pm  
**New Objective Evidence that Nerve Decompression Protects Against Diabetic Foot Complications Symptoms**  
*Presenting Author:*  
D. Scott Nickerson, MD (Big Horn, Wyoming, USA)

3:55 pm  
**Radiographic Analysis of Charcot Neuroarthropathy: A Comparison of Patients with and without Foot Ulcers**  
*Presenting Author:*  
Dane K. Wukich, MD (Pittsburgh, Pennsylvania, USA)  
*Additional Authors:*  
Katherine Raspovic, DPM; Kimberly Hobizal, DPM
4:00 pm  Risk Factors for Wound Complications in Patients after Elective Orthopaedic Foot and Ankle Surgery  
**Presenting Author:**  
Martin Wiewiorski, MD (Basel, Switzerland)  
**Additional Authors:**  
Victor Valderrabano, MD, PhD; Alexej Barg, MD

4:05 pm  Histologic Characterization of Synovium in Charcot Neuroarthropathy  
**Presenting Author:**  
Lew C. Schon, MD (Baltimore, Maryland, USA)  
**Additional Authors:**  
Jeremy Molligan, MD; Zijun Zhang, PhD, MD

4:10 pm  Clinical Success of Limb Salvage in Patients with Charcot Neuroarthropathy  
**Presenting Author:**  
Roman Natoli, MD, PhD (Maywood, Illinois, USA)  
**Additional Authors:**  
Adam P. Schiff, MD; Dennis I. English, BS; Manuel J. Pellegrini, MD; Michael S. Pinzur, MD

4:15 – 4:30 pm  Discussion

4:30 – 5:10 pm  IFFAS PAPER SESSION 8 - Scientific Presentations: Key Topics  
**Moderators:**  
Terence Saxby, MD (Brisbane, Australia)  
Bruce E. Cohen, MD (Charlotte, North Carolina, USA)

4:30 pm  COFAS Multi-Centered Study: Outcomes of Four Different Total Ankle Arthroplasty Prostheses  
**Presenting Author:**  
Tina Lefrancois, MD (Halifax, NS, Canada)  
**Additional Authors:**  
Alastair S.E. Younger, MD, MBChB, MSc, ChM; Timothy R. Daniels, MD; Murray J. Penner, MD; Kevin J. Wing, MD; Peter Dryden, MSc, MD; Hubert Wong, PhD; Mark A. Glazebrook, MSc, PhD, MD

4:35 pm  Follow-Up of Patients Evaluated for Lower Extremity Exertional Compartment Syndrome  
**Presenting Author:**  
David Christensen, BA (Falcon Heights, Minnesota, USA)  
**Additional Authors:**  
Matthew McPheeters, BS; Fernando Peña, MD; Steven D. Stovitz, MD, MS

4:40 pm  Fixed Bearing vs Mobile Bearing Total Ankle Replacement: A Comparative Study  
**Presenting Author:**  
Chamnanni Rungprai, MD (Iowa City, Iowa, USA)  
**Additional Authors:**  
Phinit Phisitkul, MD; John E. Femino, MD; Joshua N. Tennant, MD, MPH; Annunziato Amendola, MD

4:45 pm  Bipolar Fresh Osteochondral Allograft in the Ankle Joint: Does It Work?  
**Presenting Author:**  
Sandro Giannini, MD (Bologna, Italy)  
**Additional Authors:**  
Roberto Buda, MD; Alberto Ruffilli, MD; Marco Cavallo, MD; Deianira Luciani, MD; Francesca Vannini, MD
4:50 pm  Biomechanical Analysis of the Calcaneocuboid Joint Pressure after Sequential Lengthening of the Lateral Column

*Presenting Author:* Guangrong Yu, Professor *(Shanghai, China)*

*Additional Authors:* Yunfeng Yang, MD; Hui Zhu; Bing Li; Mingzhu Zhang, MD, PhD; Kai Chen, PhD; Youguang Zhao, PhD; Tao Yu, PhD

4:55 – 5:10 pm  Discussion

6:00 – 7:30 pm  Welcome Reception in Exhibit Hall

**SUNDAY, SEPTEMBER 21**

6:30 – 8:00 am  Industry Satellite Symposia

7:00 am  Light Breakfast / Exhibit Hall

8:00 – 9:30 am  IFFAS SYMPOSIUM 5: Forefoot Complications

*Moderators:* Cristian A. Ortiz, MD *(Santiago, Chile)*

*Yasuhito Tanaka, MD, PhD* *(Nara, Japan)*

8:00 am  Complications of Surgery of Hallux Valgus

Manfred Thomas, MD *(Augsburg, Germany)*

8:15 am  Management and Prevention of Complications in Hallux Valgus Surgery

Ryuzo Okuda, MD *(Kyoto, Japan)*

8:30 am  Lesser Toe Deformities: How I Address the Combined MTP Joint and IP Joint Deformities

Michael J. Coughlin, MD *(Boise, Idaho, USA)*

8:45 am  MTP Joint Instability: Alternative Solutions and Complications

Caio A. Nery, MD *(São Paulo, Brazil)*

9:00 – 9:30 am  Discussion

9:30 – 10:00 am  IFFAS PAPER SESSION 9 - Scientific Presentations: Forefoot

*Moderators:*

*Mario Kuhn Adames MD* *(Florianopolis, SC, Brazil)*

*Matthew M. Roberts, MD* *(New York, New York, USA)*

9:30 am  The Metarsosesamoid “Empty Crista Sign” – Could This be a Predictor of Deformity Recurrence after Hallux Valgus Surgery?

*Presenting Author:* Matthew Welck, MD, FRCS (Tr & Orth) *(London, United Kingdom)*

*Additional Authors:* Nick Cullen, FRCS (Tr & Orth); Dishan Singh, FRCS (Tr & Orth); Andy Goldberg, MD, MBBS, FRCS (Tr & Orth)

9:35 am  The Scarf Osteotomy with Minimally Invasive Lateral Release at Long-Term Follow-Up for Hallux Valgus Deformity: Factors That Influence Revalgisation

*Presenting Author:* Peter Bock, MD *(Vienna, Austria)*

*Additional Author:* Hans Jörg Trnka, MD
9:40 am  Radiographic Results of First Metatarsophalangeal Joint Arthrodesis for Idiopathic and Recurrent Hallux Valgus
Presenting Author: Raheel Shariff, MD (Liverpool, United Kingdom)
Additional Authors: Mark S. Myerson, MD; Pablo Agustin Mery Ponce, MD; Li Ying, MD; Amiethab Aiyer, MD

9:45 am  Cigarette Smoking Increases Complication Rate in Forefoot Surgery
Presenting Author: Clayton C. Bettin, MD (Memphis, Tennessee, USA)
Additional Authors: Susan N. Ishikawa, MD; David R. Richardson, MD; G. Andrew Murphy, MD

9:50 – 10:00 am  Discussion

10:00 – 10:10 am  Presidential Announcements

10:10 – 10:30 am  Break / Exhibit Hall

10:30 am – 12:00 pm  IFFAS SYMPOSIUM 6: Flatfoot
Moderators: Antonio Viladot Voegeli, MD (Barcelona, Spain)
Bruce J. Sangeorzan, MD (Seattle, Washington, USA)

10:30 am  FDL Tenodesis vs Tunnelization in PTTD
Gabriel Khazen Barrera, MD (Caracas, Venezuela)

10:45 am  My Algorithm and Strategies for Assessment and Management of Flexible AAFD
Hisateru Niki, MD (Kanagawa, Japan)

11:00 am  Subtalar Arthroeresis for Flatfoot
Fernando Alvarez, MD (Barcelona, Spain)

11:15 am  Cutting, Spreading and Lifting: The Opening Wedge Osteotomies for the Flatfoot
Lew C. Schon, MD (Baltimore, Maryland, USA)

11:30 am – 12:00 pm  Discussion

12:00 pm  Closing Remarks
Charles L. Saltzman, MD, IFFAS Vice President and Program Chair

12:05 – 12:50 pm  Joint IFFAS and AOFAS Attendee Luncheon (Ticket Required)

12:15 pm  AOFAS Presidential Guest Speaker
What New Can Possibly Be Said About Abraham Lincoln?
Michael Burlingame, PhD
University of Illinois at Springfield
Chancellor Naomi B. Lynn Distinguished Chair in Lincoln Studies
Springfield, Illinois
SUNDAY, SEPTEMBER 21

1:00 pm  Welcome  
J. Chris Coetzee, MD, AOFAS Program Chair  
(Edina, Minnesota)

1:00 – 2:30 pm  AOFAS SYMPOSIUM 1: Ankle Arthritis: Use It Or Fuse It (Non TAA)  
Moderator: Mark E. Easley, MD (Durham, North Carolina)

1:00 pm  Joint Sparing Procedures: Breaking the Bone to Save the Joint  
Donald R. Bohay, MD (Grand Rapids, Michigan)

1:15 pm  Distraction Arthroplasty: How Annoying?  
Douglas N. Beaman, MD (Portland, Oregon)

1:30 pm  Ankle Fusions: Unite  
Judith F. Baumhauer, MD, MPH (Rochester, New York)

1:45 pm  Pharmacological Therapy of Ankle Arthritis  
Sheldon S. Lin, MD (Newark, New Jersey)

2:00 – 2:30 pm  Discussion

2:30 – 4:30 pm  Industry Satellite Symposia

MONDAY, SEPTEMBER 22

6:30 – 8:00 am  Industry Satellite Symposia

7:00 am  Light Breakfast / Exhibit Hall

8:00 – 9:15 am  AOFAS SYMPOSIUM 2: Complications Of Midfoot Surgery  
Moderator: William C. McGarvey, MD (Katy, Texas)

8:00 am  Collapse of the Roman Arch: Management of Failed Midfoot Repairs  
Jeffrey E. Johnson, MD (St. Louis, Missouri)

8:15 am  Whoops! Management of Missed Midfoot Injuries  
Paul T. Fortin, MD (Royal Oak, Michigan)

8:30 am  Aligning the Midfoot: Tips, Tricks and Formulating a Plan  
Brian C. Toolan, MD (Chicago, Illinois)

8:45 – 9:15 am  Discussion
9:15 am  AOFAS Announcements / Committee Chair Remarks

9:30 – 10:00 am  AOFAS PAPER SESSION 1 - Scientific Presentations: Lesser Toes And Midfoot

Moderators:
Eric C. Gokcen, MD (Loma Linda, California)
Atilio Migues, MD (Buenos Aires, Argentina)

9:30 am  Prospective Randomised Review of Hallux Valgus Correction Comparing Scarf/Akin Osteotomies and Minimally Invasive Chevron/Akin Osteotomies

Presenting Author:
Peter Lam, MD (Sydney, Australia)

Additional Authors:
Andrew Wines, MBBS; Margaret M. Smith; Jeffrey S. Ling, BSc(Med), MBBS; James Walsh

9:35 am  Why Do the Lesser Toes Deviated Laterally in an Idiopathic Hallux Valgus Foot?

Presenting Author:
Li-Yi Roan, MD (Kaohsiung, Taiwan)

Additional Authors:
Yasuhito Tanaka, MD, PhD; Akira Taniguchi, MD, PhD; Tsukasa Kuma, MD, PhD; Takenori Matsuda; Yuh-Min Cheng, MD; Kiyonori Tomiwa; So Kameda; Koji Noguchi

9:40 am  Retrospective Review Comparing Crossed-Screw and Locking Plate Fixation of Hallux Metatarsophalangeal Joint Arthrodesis

Presenting Author:
Michael Sarson, BS (Charleston, South Carolina)

Additional Author:
Ross Taylor, MD, MBA

9:45 am  A Dorsal Transverse Incision Approach to the Midfoot in Acute Traumatic Injury

Presenting Author:
Brian Gradisek, DPM (Wilmington, Delaware)

Additional Author:
Paul C. Kupcha, MD

9:50 – 10:00 am  Discussion

10:00 – 10:35 am  Presidential Remarks / Award Recognition

10:00 am  Steven L. Haddad, MD, AOFAS President
  (Glenview, Illinois)

10:10 am  Bruce J. Sangeorzan, MD, President-Elect
  (Seattle, Washington)

10:25 am  Award Recognition:
  • Roger A. Mann Award
  • Leonard J. Goldner Award
  • AOFAS Traveling Fellowship Awards
  • AOFAS Resident Scholarship Recognition
  • ePoster Awards

10:35 – 11:00 am  Break / Exhibit Hall
11:00 am – 12:00 pm | AOFAS SYMPOSIUM 3: Lesser Toe Surgeons Are Not Lesser People
Moderator: Thomas H. Lee, MD (Westerville, Ohio)

11:00 am | Mechanics of Metatarsophalangeal Joint
Charles L. Saltzman, MD (Salt Lake City, Utah)

11:15 am | The Rheumatoid Forefoot: Joint-Sparing vs Joint-Ablation
John T. Campbell, MD (Baltimore, Maryland)

11:30 am – 12:00 pm | Discussion

12:00 – 12:10 pm | AOFAS Business Meeting
(Active Members and Associate Members – Osteopathic)

12:10 – 1:00 pm | Lunch Break / Exhibit Hall

1:00 – 2:30 pm | AOFAS SYMPOSIUM 4: Total Ankle Replacement: Total Domination
Moderator: Steven L. Haddad, MD (Glenview, Illinois)

1:00 pm | Osteolysis in Total Ankle Arthroplasty: Is It Really Wearing You Down?
Murray J. Penner, MD (Vancouver, BC, Canada)

1:15 pm | Management of Varus Ankles
Timothy R. Daniels, MD (Toronto, ON, Canada)

1:30 pm | Ankle Stiffness: Does It Change Indications and Outcomes?
James W. Brodsky, MD (Dallas, Texas)

1:45 – 2:30 pm | Discussion

2:30 – 3:00 pm | Break / Exhibit Hall

3:00 – 3:40 pm | AOFAS PAPER SESSION 2 - Scientific Presentations: TAA
Moderators:
Richard J. Claridge, MD (Phoenix, Arizona)
Matthew P.W. Tomlinson (Auckland, New Zealand)

3:00 pm | Review of Infected Total Ankle Arthroplasty: Evaluation of Risk Factors and Treatment Options
Presenting Author:
Daniel J. Patton, MD (Seattle, Washington)
Additional Authors:
Nathan J. Kiewiet, MD; Michael E. Brage, MD

3:05 pm | Revision Surgery Using Ceramic Talar Prosthesis for Total Ankle Arthroplasty
Presenting Author:
Yoshinori Takakura, MD, PhD (Nara, Japan)
Additional Authors:
Tsukasa Kumai, MD, PhD; Akira Taniguchi, MD, PhD; Yasuhiro Tanaka, MD, PhD;
Kazuya Sugimoto, MD, PhD
3:10 pm  
**Tibiotalar Arthrodesis Takedown with Total Ankle Arthroplasty**  
*Presenting Author:*  
Manuel J. Pellegrini, MD *(Santiago, Chile)*  
*Additional Authors:*  
Adam P. Schiff, MD; Samuel B. Adams Jr., MD; Robin M. Queen, PhD; James K. DeOrio, MD; Mark E. Easley, MD; James A. Nunley, MD

3:15 pm  
**Effect of Age on Revision Rate and Outcome Scores Following Total Ankle Arthroplasty**  
*Presenting Author:*  
Orfan M. Arafah, MBBS, FRCSC *(Vancouver, BC, Canada)*  
*Additional Authors:*  
Peter Dryden, MSc, MD; Alastair S.E. Younger, MBChB, MSc, ChM; Murray J. Penner, MD; Mark A. Glazebrook, MSc, PhD, MD; Timothy R. Daniels, MD; Kevin J. Wing, MD

3:20 pm  
**Motion at the Tibial and Polyethylene Component Interface in a Mobile-Bearing Total Ankle Replacement**  
*Presenting Author:*  
Gregory A. Lundeen, MD *(Reno, Nevada)*  
*Additional Authors:*  
Thomas O. Clanton, MD; Linda J. Dunaway, APN

3:25 – 3:40 pm  
**Discussion**

3:40 pm  
**AOFAS PAPER SESSION 3 - Scientific Presentations: Arthritis**  
**Moderators:**  
Bryan D. Den Hartog, MD *(Rapid City, South Dakota)*  
Hajo Thermann, MD, PhD *(Heidelberg, Germany)*

3:40 pm  
**Effect of a Supramalleolar Osteotomy in a Novel Asymmetric Ankle Arthritis Model**  
*Presenting Author:*  
Jack Anavian, MD *(Providence, Rhode Island)*  
*Additional Authors:*  
Heather Gotha, MD; Todd A. Fellars, MD; Sarath Koruprolu, MS; David Paller, MS; Ryan Rich, MS; Christopher W. DiGiovanni, MD

3:45 pm  
**Comparative Study of the Nottingham Foot and Ankle Unit Outcomes of the Star and the Mobility Total Ankle Replacements**  
*Presenting Author:*  
Sunil Dhar, MBBS, MS Ortho *(Nottingham, United Kingdom)*  
*Additional Author:*  
Martin Raglan, MBBS, BSc, MRCS

3:50 pm  
**Low Tibial Oblique Osteotomy without Fibular Osteotomy (Mortise-Plasty) for Medial Ankle Osteoarthritis with Mortise Widening**  
*Presenting Author:*  
Woo-Chun Lee, MD *(Seoul, Korea)*  
*Additional Authors:*  
Taekeun Ahn, MD; Young Yi, MD; Jaeho Cho, MD
3:55 pm  
**Comparison of Outcome in Isolated Non-Deformed End-Stage Ankle Arthritis Between Ankle Replacement, Arthroscopic Ankle Fusion, and Open Ankle Fusion**

**Presenting Author:**
Andrea N. Veljkovic, MD (Toronto, ON, Canada)

**Additional Authors:**
Timothy R. Daniels, MD; Mark A. Glazebrook, MSc, PhD, MD; Peter Dryden, MSc, MD; Murray J. Penner, MD; Kevin J. Wing, MD; Alastair S.E. Younger, MBChB, MSc, CHM

4:00 pm  
**Comparison of Ankle Arthroplasty and Arthrodesis in Patients with Coronal Malalignment**

**Presenting Author:**
Bruce J. Sangeorzan, MD (Seattle, Washington)

**Additional Authors:**
Michael Johnson, MD; Marisa R. Benich, BS; William R. Ledoux, PhD; Jane B. Shofer, BS; Sigvard Hansen, MD

4:00 – 4:15 pm  
**Discussion**

4:15 – 5:00 pm  
**AOFAS PAPER SESSION 4 - Scientific Presentations: Ankle**

**Moderators:**
Steven K. Neufeld, MD (Falls Church, Virginia)
João de Carvalho Neto, MD (São Paulo, Brazil)

4:15 pm  
**Effect of Anterior Translation of the Talus on Outcomes of Three-Component Total Ankle Arthroplasty**

**Presenting Author:**
Keun-Bae Lee, MD, PhD (Gwangju, Republic of Korea)

**Additional Author:**
Seung-Hun Lee, MD

4:20 pm  
**Simultaneous Tibial Osteotomy and Total Ankle Replacement in Severe Misaligned and Arthritic Ankles**

**Presenting Author:**
Beat Hintermann, MD (Liestal, Switzerland)

**Additional Authors:**
Lukas Zwicky, MSc; Joe Wagener, MD; Lilianna Bolliger, MSc; Markus Knupp, MD

4:25 pm  
**Time and Money: Do Medicare RVUs Match Physician Time Requirements for Orthopaedic Procedures?**

**Presenting Author:**
Apurva S. Shah, MD, MBA (Iowa City, Iowa)

**Additional Authors:**
Phinit Phisitkul, MD; Jenniefer Y. Kho, MD; Yubo Gao, PhD; Peter Cram, MD, MBA; Alison L. Klaassen, MA

4:30 pm  
**Obesity in Total Ankle Replacement (TAR): A Prospective Cohort Study**

**Presenting Author:**
Anjani Singh, FRCS (Newcastle-Upon-Tyne, United Kingdom)

**Additional Authors:**
Jayasree Ramaskandhan, BPhT, MPT, MSc; Malik Siddique, FRCS (Tr & Ortho)
4:35 pm  Comparison of Total Ankle Arthroplasty for End-Stage Ankle Arthritis in Varus and Neutral Alignment
Presenting Author:
Alan Y. Yan, MD (Durham, North Carolina)
Additional Authors:
Samuel B. Adams Jr., MD; James K. DeOrio, MD; Mark E. Easley, MD; James A. Nunley, MD

4:40 – 5:00 pm  Discussion

TUESDAY, SEPTEMBER 23

6:00 – 7:00 am  Continental Breakfast

7:00 – 8:30 am  AOFAS SYMPOSIUM 5: Complications of Ankle and Hindfoot Fractures
Moderator: David S. Levine, MD (New York, New York)

7:00 am  Mal-United Talus: Is a Triple The Only Answer?
Stefan Rammelt, MD, PhD (Dresden, Germany)

7:15 am  Failed Syndesmotic Repair: Wide and Short is a Double Bagger
Robert B. Anderson, MD (Charlotte, North Carolina)

7:30 am  Malunited Calcaneus Fractures: Beyond the Bone Block
Bruce J. Sangeorzan, MD (Seattle, Washington)

7:45 am  Avascular or Fragmented Navicular: Either Way to the Nutcracker
Thomas O. Clanton, MD (Vail, Colorado)

8:00 – 8:30 am  Discussion

8:30 – 9:10 am  AOFAS PAPER SESSION 5 - Scientific Presentations: Trauma
Moderators:
Anand M. Vora, MD (Chicago, Illinois)
Adriaan van Zyl, MD (Cape Town, South Africa)

8:30 am  Evaluation of Fibular Motion Using Three Different Stress Tests to Assess the Extent of Syndesmotic Injury
Presenting Author:
Jeremy M. LaMothe, MD, PhD (New York, New York)
Additional Authors:
Susannah Gilbert, MS; Conor Murphy, BA; Josh R. Baxter, PhD; Mark C. Drakos, MD

8:35 am  Safe Zone for Placement of Talar Screws When Fusing the Ankle with an Anterior Plating System
Presenting Author:
Andrew Haskell, MD (Palo Alto, California)
Additional Author:
Russell Dedini, MD
8:40 am  Treatment of Severely Comminuted Tibia Pilon Fractures with Primary Ankle Arthrodesis  
**Presenting Author:** Douglas N. Beaman, MD (Portland, Oregon)  
**Additional Author:** Richard E. Gellman, MD

8:45 am  Comparison of Screw vs Suture Button Fixation of Syndesmotic Injuries in A Cadaveric Malreduction Model  
**Presenting Author:** Lauren E. Geaney, MD (Baltimore, Maryland)  
**Additional Authors:** Jacob R. Zide, MD; Brad Cogan, MD; John T. Campbell, MD; Clifford L. Jeng, MD

8:50 am  Tibiofibular Space Widening after Removal of Screws: The Impacts of Compression Ratio of Syndesmotic Fixation  
**Presenting Author:** Su-Young Bae, MD, PhD (Seoul, Korea)  
**Additional Authors:** Hyung-Jin Chung, MD, PhD; Min-Kyu Seong, MD

8:55 am  Reconstruction of Calcaneal Fracture Malunion with Osteotomy and Subtalar Joint Salvage: Technique and Outcomes  
**Presenting Author:** Guangrong Yu, Professor (Shanghai, China)  
**Additional Authors:** Tao Yu, PhD; Yunfeng Yang, MD; Bing Li, MD; B. Hui Zhu; Kai Chen, PhD; Mingzhu Zhang, MD, PhD; Youguang Zhao, PhD

9:00 – 9:10 am  Discussion

9:10 am 9:55 am  AOFAS PAPER SESSION 6 - Scientific Presentations: PTTD  
**Moderators:**  
Kevin Varner, MD (Houston, Texas)  
Dishan B. Singh, MD, FRCS (Middlesex, United Kingdom)

9:10 am  Multi-Center Prospective Comparison of PROMIS Physical Function CAT to Traditional Instruments for Foot and Ankle Disorders  
**Presenting Author:** Kenneth J. Hunt, MD (Redwood City, California)  
**Additional Authors:** Ian Alexander, MD; Judith F. Baumhauer, MD, MPH; James W. Brodsky, MD; Timothy R. Daniels, MD; W. Hodges Davis, MD; Jonathan T. Deland, MD; Scott J. Ellis, MD; Man Hung, PhD, MSTAT, MED; Susan N. Ishikawa, MD; L. Daniel Latt, MD, PhD; Phinit Phisitkul, MD; Charles L. Saltzman, MD; Nelson Fong Soohoo, MD; Orthopaedic Foot & Ankle Outcomes Research Network (OFAR)

9:18 am  Correlation of Postoperative Midfoot Position with Patient Outcomes Following Reconstruction of the Stage II Adult Acquired Flatfoot Deformity  
**Presenting Author:** Matthew S. Conti, BA (New York, New York)  
**Additional Authors:** Jeremy Y. Chan, BS; Huong T. Do, MA; Scott J. Ellis, MD; Jonathan T. Deland, MD
9:26 am  A Novel Approach to Stage IIA Posterior Tibialis Dysfunction. Does Gold Standard Medial Soft Tissue Repair Make Any Sense?
  
  **Presenting Author:**  Manuel Monteagudo, MD (Madrid, Spain)
  
  **Additional Author:**  Ernesto Maceira, MD

9:31 am  Assessment of Coronal Plane Subtalar Joint Alignment in Patients with Peritalar Subluxation Via Weight-Bearing Multiplanar Imaging

  **Presenting Author:**  William Probasco, BA, MS (New York, New York)

  **Additional Authors:**  Jeanne M. Yu, BS; Amgad M. Haleem, MD (Orth); Bruce J. Sangeorzan, MD; Jonathan T. Deland, MD; Scott J. Ellis, MD

9:36 am  Results of Subtalar Arthroereisis vs Column Procedures in the Correction of Grade IIB Posterior Tibial Tendon Dysfunction: A 24-Month Follow-Up

  **Presenting Author:**  Amila Nirmal Silva, MBBS (Singapore)

  **Additional Authors:**  David Su, MBBS, FRCS Ortho; Inderjeet Rikhraj Singh, MBBS, FRCS Ortho

9:41 – 9:55 am  Discussion

9:55 - 10:25 am  AOFAS PAPER SESSION 7 - Scientific Presentations: OLT

  **Moderators:**  
  - Pierce E. Scranton, MD (Seattle, Washington)
  - Natalio Cuchacovich, MD (Santiago, Chile)

9:55 am  3-Year Results after Cartilage Reconstruction with Autologous Matrix Induced Chondrogenesis (AMIC)

  **Presenting Author:**  Markus Walther, MD, PhD (Munich, Germany)

10:00 am  Comparison of Arthroscopic Microfracture for Osteochondral Lesions of the Talus with and without Subchondral Cyst

  **Presenting Author:**  Keun-Bae Lee, MD (Gwangju, Republic of Korea)

  **Additional Authors:**  Seung-Hun Lee, MD; Hyung-Won Park, MD

10:05 am  Arthroscopic AMIC Condro-Gide and Cancellous Bone Graft in OCL Treatment

  **Presenting Author:**  Federico Giuseppe Usuelli, MD (Milan, Italy)

  **Additional Authors:**  Laura De Girolamo, PhD; Miriam Grassi, MD; Camilla Maccario, MD; Vincenzo Guarrella, MD; Umberto Montrasio Alfieri, MD; Michele Boga, MD

10:10 am  Comparison of Outcomes between Arthroscopic Drilling and Microfracture for Osteochondral Lesions of the Talus

  **Presenting Author:**  Seung-Hun Lee, MD (Gwangju, Republic of Korea)

  **Additional Authors:**  Jun-Ik Choi, MD; Keun-Bae Lee, MD, PhD
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>10:15 – 10:25 am</td>
<td>Discussion</td>
</tr>
<tr>
<td>10:25 – 10:50 am</td>
<td>Break / Exhibit Hall</td>
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| 10:50 am – 12:05 pm | AOFAS Symposium 6: Arthroscopy: Incisions Are Too Complicated  
                      **Moderator:** Anunziato Amendola, MD (Iowa City, Iowa) |
| 10:50 am | Osteochondral Lesions of the Talus: From Birth to Near Death  
                   Richard D. Ferkel, MD (Van Nuys, California) |
| 11:05 am | Subtalar Arthroscopy: Tighter Spaces  
               Alastair S.E. Younger, MBChB, MSc, ChM (Vancouver, BC, Canada) |
| 11:20 am | Where Else Can You Stick It: Nontraditional Scoping  
                  Eric Giza, MD (Sacramento, California) |
| 11:35 – 12:05 pm | Discussion                                                                                   |
| 12:05 – 1:00 pm | Lunch / Exhibit Hall                                                                        |
| 1:00 – 1:30 pm | AOFAS PAPER SESSION 8 - Scientific Presentations: Arthroscopy  
                      **Moderators:**
                      Kenneth J. Hunt, MD (Redwood City, California)  
                      Tahir Öğüt, MD (Istanbul, Turkey) |
| 1:00 pm | The Effects of Noninvasive Traction on SSEPS During Ankle Arthroscopy  
                   **Presenting Author:**
                   Richard D. Ferkel, MD (Van Nuys, California)  
                   **Additional Authors:**
                   Tristan Altbuch, MD; Elizabeth Bloze, MD |
| 1:05 pm | Arthrobrostrom Lateral Ankle Stabilization Technique: An Anatomical Study  
                      **Presenting:**
                      Caio A. Nery, MD (São Paulo, Brazil)  
                      **Additional Authors:**
                      Jorge I. Acevedo, MD; Cristian A. Ortiz, MD; Pau Golano, MD |
| 1:10 pm | A Posterior 2-Portal Approach for the Treatment of Osteochondral Lesion of the  
                         Posteromedial Talus with Calcaneal Skeletal Traction in a Hanging Position  
                      **Presenting Author:**
                      Hyong Nyun Kim, MD, PhD (Yangi, Korea)  
                      **Additional Authors:**
                      Quanyu Dong, MD; Yong Wook Park, MD, PhD |
| 1:15 pm | Arthroscopic Treatment of Osteochondral Lesions of the Talus in Children: A Minimum 2 Year  
                      **Presenting Author:**
                      Nicholas Larsen, MD (Van Nuys, California)  
                      **Additional Authors:**
                      Michael J. Carlson, MD; Tomasz Antkowiak, MD; Gregory Applegate, MD; Richard D. Ferkel, MD |
| 1:20 – 1:30 pm | Discussion                                                                                   |
1:30 – 3:15 pm  AOFAS SYMPOSIUM 7: Sports: The Strong Finish
Moderator: Mark S. Myerson, MD (Baltimore, Maryland)

1:30 pm  Varus Hindfoot: Considerations with Ankle Instability and Peroneal Tendon Disorders
James A. Nunley, MD (Durham, North Carolina)

1:45 pm  Achilles Tendon Rupture in the Athlete: Fix It, Re-Rupture, and Return to Play
Martin J. O’Malley, MD (New York, New York)

2:00 pm  Turf Toe: It’s Not a Dirty Word Anymore
Michael J. Coughlin, MD (Boise, Idaho)

2:15 pm  Biology of Tendon and Ligament Healing
Samuel B. Adams, Jr. MD (Durham, North Carolina)

2:30 – 3:15 pm  Discussion

3:15 pm  Closing Remarks
J. Chris Coetzee, MD, AOFAS Program Chair