



LITHUANIA
VILNIUS

EFAS CONGRESS

European Foot & Ankle Society



10-11 October 2025

www.efas.net



08:00	08:00 - 08:30 REGISTRATION	WELCOME DESK
08:30	08:30 - 08:40 OPENING CEREMONY Speakers: Aleksas MAKULAVICIUS (Vilnius, Lithuania), Manuel MONTEAGUDO (Madrid, Spain), Manfred THOMAS (Augsburg, Germany)	ALFA Room
08:40	08:40 - 09:40 UPDATE IN TOTAL ANKLE REPLACEMENT Moderators: Norman ESPINOSA (Zurich, Switzerland), Xavier OLIVA MARTIN (Barcelona, Spain) Indications and limitations. Yasser ALJABI (Dublin, Ireland) Controversies in design and bearings. Kristian BUEETS (Brussels, Belgium) Deformities and TAR - what is the limit? Markus WALTHER (München, Germany) National Registries, game changers? Joris HERMUS (Maastricht, The Netherlands) Discussion.	ALFA Room
	08:40 - 09:40 FEET ON THE GROUND Techniques, tips & tricks that changed my practice Moderators: Alberto GINÉS CESPEDOSA (Barcelona, Spain), Henryk LISZKA (Krakow, Poland) MIS treatment of lesser toe deformities. Geoffroy VANDEPUTTE (Lier, Belgium) It all started with a failed TAR. Jean-Luc BESSE (Lyon, France) Role of bone cement spacer in treatment of ankle disorders. Aleksas MAKULAVICIUS (Vilnius, Lithuania) Extensor retinaculum flap. Yves TOURNÉ (Grenoble, France) Discussion.	ZETA Room
09:45	09:45 - 10:45 DISCUSSION FORUM - THINGS I NO LONGER DO ... Moderators: Christian PLAASS (Hannover, Germany), Yves TOURNÉ (Grenoble, France) Operate on acute Achilles tendon ruptures. Mostafa BENYAHIA (Copenhagen, Denmark) Open surgery on lesser metatarsals. Peter BOCK (Vienna, Austria) Fusion for MP1 osteoarthritis. Barbara PICLET (La Ciotat, France) Total talar destruction needs a total talar fusion or replacement. Rick BROWN (Oxford, United Kingdom) Discussion.	ALFA Room
	09:45 - 10:45 EFAS COMMITEES: HUMANITARIAN, RESEARCH, EDUCATIONAL Moderators: Jean-Luc BESSE (Lyon, France), Fabian KRAUSE (Berne, Switzerland), Manuel SOUSA (Lisbon, Portugal) Humanitarian: "The Burden of Foot and Ankle Trauma in Africa". Research: Enhance the evidence. EDUCATION COMMITTEE "History - Functioning - Activities - The ROLE: Evidence based medicine principles in Foot & Ankle Surgery". Jean-Luc BESSE (Lyon, France), Nikolaos GOUGOULIAS (Katerini, Greece) Q&A for all.	ZETA Room
10:45	Coffee Break, visit the Exhibition	
11:15	11:15 - 12:15 FREE PAPERS (6 MINS + 4 MINS Q&A) - FOREFOOT Moderators: Maria CÖSTER (Uppsala, Sweden), Matthias WALCHER (Würzburg, Germany) #48487 - OP01 Intercuneiform fixation results in decreased intercuneiform gapping and recurrence rates after a modified Lapidus procedure. Amanda ZENG, BS , Jaeyoung KIM, MD , Joseph NGUYEN, MPH , Holly JOHNSON, MD , Scott ELLIS, MD , Matthew CONTI, MD (New York, USA) #47995 - OP02 Ultrasound-guided infiltration with hyaluronic acid compared with corticosteroid for the treatment of Morton's neuroma: a randomised controlled trial. Gabriel FERREIRA , Thomas LEWIS (, United Kingdom), Tifani FERNANDES , Joao PEDROSO , Gustavo ARLIANI , Robbie RAY , Vitor PATRIARCHA , Miguel VILHO #48359 - OP03 Unlocking the toe: decompression osteotomy alone or with capsular interpositional arthroplasty? Filip Anton BOŽINOVIĆ (Zagreb, Croatia), Borna STRAHONJA , Hrvoje KLOBUČAR #48069 - OP04 The effect of first metatarsal extension osteotomy on foot Alignment in patients with pes cavus: A	ALFA Room



Friday 10 October

three-dimensional anatomical model study. **Yahya DENIZ**, **Ece DAVUTLUOGLU**, **Mete OZER**, **Soheil ASHKANI-ESFAHANI**, **Christopher DIGIOVANNI**, **Bedri KARASMAILIOGLU** (Istanbul, Turkey)
#48302 - OP05 Evaluating Long-Term Outcomes of Different Treatments for Morton's Neuroma: Guiding Clinical Decisions on Surgery vs. Steroid Injections. **Maneesh BHATIA** (Leicester, United Kingdom), **Khalis BOKSH**, **Molly SCARLET BURNS**
#47269 - OP06 Is the Distal Metatarsal Articular Angle just Metatarsal Pronation? A weightbearing CT analysis. **Arvind VIJAPUR** (Aylesbury, United Kingdom), **Mohammed SHAATH**, **Shelain PATEL**, **Nick CULLEN**, **Matthew WELCK**, **Karan MALHOTRA**

11:15 - 12:15

FREE PAPERS (6 MINS + 4 MINS Q&A) - HINDFOOT & ANKLE

Moderators: **Marianne Lund ERIKSEN** (Oslo, Norway), **Alistair WILSON** (Belfast, United Kingdom)

#48253 - OP07 First level 1 study for subtalar fusion Doctor, will my symptoms get better after the subtalar fusion? **Marianne KOOLEN** (The Hague, The Netherlands), **Carlos ALBARRÁN**, **Tudor TRACHE**, **Sultan ALHARBI**, **Murray PENNER**, **Oliver GAGNE**, **Alastair YOUNGER**, **Kevin WING**

#48288 - OP08 Reliability analysis of WBCT derived 3D models for comparing preoperative and postoperative alignment in total ankle arthroplasty. **Federico USUELLI**, **Agustin BARBERO** (Milan, Italy), **Cristian INDINO**, **Camilla MACCARIO**, **Efrima BEN**

#48419 - OP09 Validation of Automated Method for Measuring Foot and Ankle Offset. **Carla CARFÌ** (Milano, Italy), **Wolfram GRÜN**, **Enrico POZZESSERE**, **Pierre-Henri VERMOREL**, **Emily J. LUO**, **Giammarco GARDINI**, **Camilla MACCARIO**, **Federico Giuseppe USUELLI**, **Francois Lintz LINTZ**, **Cesar DE CESAR NETTO**

#48266 - OP10 Tracking polyethylene wear in total ankle replacement: a longitudinal observational study using weightbearing computed tomography. **François LINTZ** (Toulouse), **Alessio BERNASCONI**, **Wolfram GRÜN**, **Enrico POZZESSERE**, **Pierre-Henri VERMOREL**, **Albert ANASTASIO**, **Mark EASLEY**, **Kristian BUEDTS**, **Cesar DE CESAR DE NETTO**

#48384 - OP11 Minced cartilage shows minor primary stability compared to membrane augmented bone marrow stimulation in osteochondral lesions of the talus - a biomechanical cadaver study. **Alena RICHTER**, **Sophie HÜGEL**, **Dennis NEBEL**, **Bastian WELKE**, **Christian PLAAB** (Hannover, Germany), **Chiara HELLER**, **Sarah ETTINGER**

#45528 - OP12 Autologous Matrix Induced Chondrogenesis plus Peripheral Blood Concentrate (AMIC+PBC) in Chondral Lesions of the Ankle as Part of a Complex Surgical Approach - 7-Year Follow-up. **Martinus RICHTER** (Rummelsberg, Germany), **Stefan ZECH**, **Issam NAEF**, **Stefan A MEISSNER**

ZETA
Room

12:25 - 13:25

FEET ON THE GROUND - FAIL BETTER NEXT TIME

Moderators: **Alessio BERNASCONI** (Napoli, Italy), **Kristian BUEDTS** (Brussels, Belgium)Pain after diple/midfoot arthrodesis. **Manuel MONTEAGUDO** (Madrid, Spain)Undercorrected flatfoot. **Norman ESPINOSA** (Zurich, Switzerland)Undercorrected supramalleolar osteotomy. **Alberto GINÉS CESPEDOSA** (Barcelona, Spain)Subtalar nonunion. **Martinus RICHTER** (Rummelsberg, Germany)

Discussion.

ALFA
Room

12:25 - 13:25

DISCUSSION FORUM - THE SOFTIES

Moderators: **Jean-Luc BESSE** (Lyon, France), **Geoffroy VANDEPUTTE** (Lier, Belgium)Pereonals: resect, repair, or reinforce? **Fabian KRAUSE** (Berne, Switzerland)Tendon transfers for dropfoot. **Henryk LISZKA** (Krakow, Poland)Checkrein deformities. **Joris ROBBERECHT** (Turnhout, Belgium)Achilles non insertional tendinopathy. **Melanie VANDENBERGHE** (Antwerp, Belgium)

Discussion.

ZETA
Room

13:25

Lunch, Exhibition, Industry Workshops, Poster Walks

13:25 - 14:25

SYMPOSIUM GEISTLICH

AMIC® Chondro-Gide® for Osteochondral Lesions in Foot & Ankle: Can evidence help to push the boundaries?

AMIC® in the Ankle Joint: Clinical Evidence, Treatment Guidelines and long-term results. **Markus WALTHER** (München, Germany)Long-term Experience with AMIC®+ in the Ankle and MTP Joint. **Martinus RICHTER** (Rummelsberg, Germany)AMIC® Ankle joint: my personal experience. **Vytautas KIMTYS** (Kaunas, Lithuania)

BETA 2

13:30 - 14:45

POSTER WALK 1

5-minutes slot per poster (3 minutes presentation + 2 minutes for questions).

Moderators: **Yasser ALJABI** (Dublin, Ireland), **Barbara PICLET** (La Ciotat, France)

#48319 - EP047 ASSESSING SUBTALAR JOINT ANATOMY FOR LATERAL COLUMN LENGTHENING USING 3D-PRINTED MODELS AND DISTANCE MAPS. **Anna BRYNIARSKI**, **Wolfram GRÜN** (Oslo, Norway), **Emily LUO**, **Enrico POZZESSERE**, **François LINTZ**, **Pierre-Henri VERMOREL**, **Usuelli FEDERICO**, **Cesar DE CESAR NETTO**

#48233 - EP016 Clinical diagnostic study of syndesmotic instability using 3-dimensional weight-bearing CT distance

13:30



Friday 10 October

mapping algorithm. Enrico POZZESSERE (Durham, USA), Erik Jesus HUANUCO CASAS, Emily J. LUO, Grayson Talaski TALASKI, Wolfram Grün GRÜN, Conor O'NEILL, Kevin DIBBERN, Francois LINTZ, Cesar DE CESAR NETTO

#48212 - EP011 Clinical outcomes of pure titanium 3D-printed total talus replacement: A case series. Bomsoo KIM (Incheon, Republic of Korea)

#48217 - EP122 Early Outcomes After Open vs Arthroscopic Hindfoot Fusion: A Comparative Analysis of Functional Gains, Pain Relief, and MCID Achievement. Jeremy Tze En LIM (Singapore, Singapore), Ramesh RADHAKRISHNAN, Chang Yi WOON, Kizher Shajahan MOHAMED BUHARY, Rui Xiang TOH, Zongxian Li, Kae Sian TAY

#48267 - EP155 Evaluating the Role of Gastrocnemius Release in Enhancing Outcomes of Diabetic Foot Surgery.

Jerome LINKWINSTAR (Dublin, Ireland), Arjun CHAKRAPANI, Galt MEGAN, Randhir FRANCIS

#48284 - EP156 Glycated albumin is a more effective glycemic marker than glycated hemoglobin (HbA1c) for predicting adverse outcomes after amputation in diabetic foot patients. Yeokgu HWANG (Seoul, Republic of Korea)

#48227 - EP093 Metatarsal pronation on radiographs: a prospective reliability study of visual rotation markers in hallux valgus. Mikaela ENGARGAS HAMRE, Marius MOLUND, Benedikte WENDT RÆDER, Riiser MARTIN, Mikaela ENGARGAS HAMRE (Fredrikstad, Norway)

#48070 - EP091 Open vs. Percutaneous Moberg Osteotomy for Hallux Rigidus: A Comparative Study of Surgical Approaches with minimum 2 years follow up. Alice MONTAGNA (Pavia, Italy), Paolo Ivan FIORE, Enrico POZZESSERE

#48262 - EP154 Outcomes of Stimulan® trial in outpatient diabetic foot clinics. Charles DEMPSEY (Newcastle upon Tyne, United Kingdom), Sultan QASIM, Claire WHITWORTH, Marguerite CLOUGH

#48231 - EP198 Risk Factors for Reintervention and Functional Outcomes Following Surgery in Patients with Charcot-Marie-Tooth Disease - A retrospective cohort. Fa-Binefa MANEL, Arribas Vallejo ANDREA,

Accensi Brunet JOAN, Lopez Hervas SERGIO, López Capdevila LAIA (Barcelona, Spain)

#48220 - EP197 Single-Shot Liposomal Bupivacaine Versus Continuous Catheter-Based Analgesia for Postoperative Pain Management in Foot Surgery: A Retrospective Analysis. Paolo Ivan FIORE (Lugano, Switzerland), Tyler GONZALEZ, Ettore VULCANO

#47990 - EP085 Transverse versus chevron osteotomy for minimally invasive surgery in severe hallux valgus deformity. Thomas LEWIS (, United Kingdom), Evelyn MURPHY, Clare WATT, Peter LAM

#48235 - EP174 Wagstaffe-Le Fort fractures in 573 ankle fracture patients: Retrospective analysis of prevalence, morphology, radiographic detection, and correlation with fracture classifications. Blazej WOJTOWICZ (Lodz, Poland), Lesman JEDRZEJ, Bartłomiej NIZIOL, Michał PODGORSKI, Marcin DOMZALSKI

#48246 - EP199 Weightbearing computed tomography reveals why heel varus is not always the rule in Müller-Weiss disease. John WONG-CHUNG (Belfast, United Kingdom), Roslyn CASSIDY, Robert Alistair WILSON, Wolfram GRÜN, Cesar DE CESAR NETTO

#48221 - EP123 Zadek Osteotomy and Sural Nerve Safety: A Cadaveric Anatomical Study. Paolo Ivan FIORE (Lugano, Switzerland), Alice MONTAGNA, Enrico POZZESSERE, Tyler GONZALEZ, R M Jonathan KAPLAN, Ettore VULCANO

13:30 - 14:45

POSTER WALK 2

5-minutes slot per poster (3 minutes presentation + 2 minutes for questions).

Moderators: Armin KOLLER (Rheine, Germany), Anna SPRINCHORN (Uppsala, Sweden)

#48368 - EP057 Three-dimensional AI-assisted distance mapping for ankle osteoarthritis: a novel classification system based on weight-bearing CT. Agustin BARBERO (Milan, Italy), Serban Andrei CONSTANTINESCU, Carla CARFI, Cristian INDINO, Camilla MACCARIO, Federico USUELLI

#48403 - EP065 39 QUANTUM total ankle replacement implanted with cutting guides: positioning, 2-year results and revision analyses. Jean-Luc BESSE (Lyon), Fabien EWALD, Antoine COLAS, Anthony VISTE

#48396 - EP061 A prospective randomized controlled trial comparing single-shot liposomal bupivacaine vs. liposomal bupivacaine combined with dexamethasone for foot and ankle procedures. Nana AMPONSAH (Center City, Philadelphia, USA), Amy NGHE, Simran SHAMITH, Tyler HENRY, Grant THOMAS, Joseph DANIEL, Armen VOSKERIDJIAN, David PEDOWITZ

#48409 - EP066 Adequate and safe operative fixation of ankle fractures by residents and orthopedic trauma surgeons. Robyn VAN VEHMENDAHL (Nijmegen, The Netherlands)

#48406 - EP146 Arthroscopic Debridement Combined With Retrograde Intramedullary Nail Arthrodesis in Charcot Foot: A Retrospective Series of 15 Cases. Ahmed BEN ABID (Nimes), Mohamed Habib SANAA,

Mohamed Seddik AKERMI, Adnen BENAMMOU, Cherif KAMOUN, Mehdi BELLIL, Mohamed BEN SALAH

#48426 - EP069 Association of Bodyweight with Total Ankle Arthroplasty Outcomes. Joydeep BAIDYA (Philadelphia, USA), Nana AMPONSAH, Kush MODY, Alexander ZAVITSANOS, Maximiliano BUCKNER, Matthew CULKIN, John PIGNATARO, David PEDOWITZ, Joseph DANIEL, Selene PAREKH

#48370 - EP141 Biomechanics of Stress Fractures: The Fifth Metatarsal Case. François LINTZ (Toulouse),

Enrico POZZESSERE, Pierre-Henri VERMOREL, Emily LUO, Antoine ACKER, Grayson TALASKI, Mark EASLEY,

Cesar DE CESAR DE NETTO, Wolfram GRÜN

#48338 - EP101 Comparative Radiographic Evaluation of Three Surgical Techniques for Hallux Valgus: Guided-PETA, Classic Scarf, and Maestro Scarf. Alberto BAILEZ (Barcelona, Spain), Antoine ACKER, Mathieu ASSAL, Victor DUBOIS-FERRIERE

#48411 - EP068 Fibula Pro-Tibia Fixation (FPT) Promotes Earlier Weight-Bearing in Elderly Ankle Fracture Patients. Kanatheepan SHANMUGANATHAN (London, United Kingdom), Rewant SINGH, Mansi CHITNIS, Ahmed ZAINY,

Ali-Asgar NAJEFI

#48431 - EP149 Improved ankle function and athletic capacity after debridement, calcaneoplasty, and double-row reconstruction in insertional Achilles tendinopathy. Thomas STUMPNER (Linz, Austria)

#48365 - EP140 Joint-Sparing Reconstruction for Progressive Collapsing Foot Deformity: Radiographic Short-term Outcomes and Complications in a Single-Surgeon Cohort. Wolfram GRÜN (Oslo, Norway), Emily J. LUO,

Pierre-Henri VERMOREL, Acker ANTOINE, Enrico POZZESSERE, Mark EASLEY, Francois LINTZ, Cesar DE CESAR NETTO

#48383 - EP060 Open Ankle fragility fractures in elderly patients treated with subtalar joint-Sparing primary ankle fusion: An Evolving Treatment Option. Siddharth KHADILKAR (Birmingham, United Kingdom), Yousufuddin SHAIK

#48423 - EP110 Return to Sport After First MTP Arthrodesis for Grade IV Hallux Rigidus: A Retrospective Study. Marco DONANTONI (Rome, Italy), Simone SANTINI, Paolo CECCARINI, Andrea MARINOZZI

#48412 - EP164 The impact of non-tobacco nicotine dependence on postoperative outcomes following ankle fracture fixation. Anish PONNA, Kush MODY (Newark, NJ, USA), Aayush MEHTA, Joydeep BAIDYA, Nana AMPONSAH, Selene PAREKH

#48366 - EP205 THE ROTATIONAL CONFIGURATION OF THE LOWER LIMB: MACHINE LEARNING INSIGHTS USING

WEIGHT BEARING CT. Giammarco GARDINI (Bologna, Italy), Enrico POZZESSERE, Yohana MICHEL BELLOTT,

Wolfram GRÜN, Pierre-Henri VERMOREL, Emily J LUO, Carla CARFI, Conor O'NEILL, Cesar CESAR DE NETTO,

Francois LINTZ

BALCONY
Walk 1BALCONY
Walk 2

Friday 10 October

14:25	14:25 - 15:25 SYMPOSIUM AMES / PLANMED Progressive Collapsing Foot: From Planning with Weight-Bearing CT to Fixation with Porous Titanium Wedges Sponsored by Planmed Weight-Bearing CT scan & Ames MEDICAL. Innovative imaging meets advanced fixation. Discover how weight-bearing CT enhances surgical planning and how porous titanium wedges streamline fixation, making complex procedures more predictable, stable, and efficient. Progressive Collapsing Foot: Less Fusion, More Osteotomies. Federico USUELLI (Italy) Cotton Osteotomy: Porous Titanium Wedges Make It Simple - Tips & Tricks. Agustin BARBERO (Milan, Italy) Lateral Column Lengthening: Evans or Hintermann? Plan the Safe Interval for a Minimally Invasive, Time-Efficient, and Highly Effective Procedure. BETA 2
15:25	15:25 - 16:20 AOFAS AT EFAS - WALKING THE EXTRA MILE IN ... Moderators: Manuel MONTEAGUDO (Madrid, Spain), Manfred THOMAS (Augsburg, Germany) Optimizing our technique in a foot/ankle arthrodesis. Sheldon LIN (Newark, USA) Preoperative planning for PCFD with WBCT. Scott ELLIS (New York, USA) Orthobiologics - where are we in 2025? Sheldon LIN (Newark, USA) Returning to physical activity following flatfoot reconstruction. Scott ELLIS (New York, USA) Discussion. ALFA Room
16:20	Coffee Break, visit the Exhibition
16:45	16:45 - 18:00 EFAS GENERAL ASSEMBLY ALFA Room
18:00	18:00 - 18:05 ADJOURN ZETA Room
	18:00 - 18:45 FELLOWSHIPS PRESENTATION & ALUMNI SESSION Presentation of the EFAS Travelling Fellowship (Eastern Group). Presentation of the EFAS Travelling Fellowship (Western Group). Presentation of the EFAS-AOFAS Fellow (AOFAS Group). Presentation of the EFAS-AOFAS Fellow (EFAS Group). Presentation of the EFAS Research Fellowship. Presentation of the EFAS International Duke's Fellowship. Alumni Session. BETA 2

Saturday 11 October

08:10	08:10 - 08:30 INVITED LECTURE Moderator: Aleksas MAKULAVICIUS (Vilnius, Lithuania) Combat injuries in Foot and Ankle. Oleksandr RIKHTER (Ukraine) ALFA Room
08:40	08:40 - 09:40 EFAS FORA Looking for consensus on ... Diabetic Foot Moderators: Armin KOLLER (Rheine, Germany), Fredrik NILSEN (Sarpsborg, Norway) Surgical recommendations for CNO in international guidelines. Armin KOLLER (Rheine, Germany) Prophylactic surgery - a paradigm shift. Fredrik NILSEN (Sarpsborg, Norway) Discussion. ALFA Room
	08:40 - 09:40 EFAS FORA Looking for consensus on ... EDI (Equality, Diversity, Inclusion) Moderators: Rick BROWN (Oxford, United Kingdom), Elena SAMAILA (Verona, Italy) Diverse groups make better decisions. Margot VAN DER GRINTEN (Rotterdam, The Netherlands) ZETA Room



Saturday 11 October

Sexual harassment in surgery is wrong. **James RITCHIE** (Tunbridge Wells, United Kingdom)
Bullying deters the inclusion of others. **Daniele MARCOLLI** (Milano, Italy)
Surgeons of all shapes and sizes need safety protection at work. **Helka KOIVU** (Turku, Finland)
Discussion.

08:40 - 09:40

DELPHI SESSION**Finding consensus on deltoid ligament injury and instability**

Moderators: **Fabian KRAUSE** (Berne, Switzerland), **Stefan RAMMELT** (Dresden, Germany)

Concept of Delphi mode session. **Fabian KRAUSE** (Berne, Switzerland)
Acute deltoid ligament injury. **Kenneth OBIONU** (Copenhagen, Denmark)
Deltoid ligament rupture in malleolar fractures. **Jens HALM** (The Netherlands)
Chronic posttraumatic medial instability. **Joe WAGENER** (Luxembourg, Luxembourg)
Deltoid instability in PCFD. **Matthias WALCHER** (Würzburg, Germany)
Presentation of Questionnaire and audience vote #1. **Stefan RAMMELT** (Dresden, Germany)
Results of expert panel's questionnaire. **Fabian KRAUSE** (Berne, Switzerland)
Presentation of Questionnaire and audience vote #2. **Stefan RAMMELT** (Dresden, Germany)
Consensus and discussion. **Fabian KRAUSE** (Berne, Switzerland), **Stefan RAMMELT** (Dresden, Germany),
Matthias WALCHER (Würzburg, Germany)

BETA 2

09:45 - 10:45

FREE PAPERS (6 MINS + 4 MINS Q&A) - TRAUMA

09:45

Moderators: **Paulo FELICISSIMO**, **Roman TOTKOVIČ** (košice, Slovakia)

#48229 - OP13 Primary Arthrodesis vs. Temporary Bridge Plating in Unstable Lisfranc Injuries: 10-Year Results of a Randomized Controlled Trial. **Grün WOLFRAM** (Oslo, Norway), **Magnus POULSEN**, **Martin Økelsrud RIISER**, **Kjetil HVAAL**, **Elisabeth Ellingsen HUSEBYE**, **Are Haukåen STØDLE**

#48268 - OP14 Is stabilization of a posterior malleolus fracture sufficient to restore complete stability of the syndesmosis? **Krzysztof JANIK** (Opole, Poland), **Dariusz GRZELECKI**

#48075 - OP15 Enhancing Orthopedic Resident Competency in Calcaneal Fracture Evaluation with Sanders Classification: A Comparative Study of Computed Tomography, 3D Printing, and Virtual Reality. **Mete ÖZER**, **Ece DAVUTLUOĞLU**, **Yahya DENİZ**, **Bedri KARASMAİLOĞLU** (Istanbul, Turkey), **Onder AYDINGOZ**

#47532 - OP16 Mid-Term Outcomes of Complex Talus Osteochondral Defect Treatment with Episealer Implantation. **Rui CARDOSO** (Aveiro, Portugal), **Patricia PAREDES**, **Pedro SERRANO**, **Filipe MALHEIRO**, **Paulo AMADO**, **Joao ESPREGUEIRA MENDES**, **Bruno PEREIRA**

#48336 - OP17 Lisfranc Fracture with Medial Cuneiform-First Metatarsal (C1-M1) Instability: Is Routine Fixation of the C1-M1 Joint Necessary? **Rafael PONIACHIK** (Santiago, Chile), **Christian BASTIAS**, **Leonardo LAGOS**, **Felipe PINO**, **Hugo HENRIQUEZ**, **Ramiro VERA**, **Sergio FERNANDEZ**, **Christian URBINA**, **Fernando VARGAS**, **Mauricio PARRA**

#48438 - OP18 Can the Medial Clear Space to Superior Clear Space Ratio Be Used as a Predictor on Poorly Magnified Ankle Fracture Radiographs? **Cumhur Deniz DAVULCU**, **Muhammed Yusuf AFACAN** (ISTANBUL, Turkey)

ALFA
Room

09:45 - 10:45

FREE PAPERS (6 MINS + 4 MINS Q&A) - TRAUMA AND MISCELLANEOUS

Moderators: **Nuno CORTE REAL** (Cascais, Portugal), **Ezequiel PALMANOVICH** (Kfar Saba, Israel)

#48340 - OP19 Calf strength after gastrocnemius release. An analysis of strength measurements of the calf muscles after gastrocnemius release. **Kaj KLAUE**, **Tonio GOTTLIEB** (Berlin, Germany)

#48357 - OP20 Arthroscopic flexor hallucis longus transfer as a treatment for acute Achilles tendon rupture: Our 10 years of experience. **Nerantzoula GOUTSIU** (Naoussa, Greece), **Paschalis PAPANIKOLAOU**, **Savvas KANSIZOĞLU**, **Menelaos PAPADAKIS**, **Alexandros ELEFTHEROPOULOS**

#48341 - OP21 Weight-Bearing Computed Tomography Bone Density Better Predicts Gait Line Than Traditional Anatomical Landmarks. **Camille RODAIX** (Montpellier), **Enrico POZZESSERE**, **Marie-Aude MUNOZ**, **Wolfram GRÜN**, **Pierre-Henri VERMOREL**, **Alessio BERNASCONI**, **Emily LUO**, **Mark EASLEY**, **Cesar DE CESAR DE NETTO**, **François LINTZ**

#48337 - OP22 Endoscopic Calcaneoplasty an effective treatment for debilitating insertional Achilles Tendinopathy in the presence of a Haglund's deformity. **Saher MANSOUR** (Birmingham, United Kingdom), **Plant CAROLINE**, **El Gamal TAREK**

#48394 - OP23 A randomized trial investigation of copenhagen achilles tendon rupture treatment algorithm (carta) for individualized treatment of acute achilles tendon rupture. **Marianne TOFT** (Viborg, Denmark), **Maria Swennergren HANSEN**, **Julie JENLAR**, **Anna Kathrine PRAMMING**, **Stefan MOELLER**, **Bjorn Sk NEDERGAARD**, **Louise Lau SIMONSEN**, **Bjarke VIBERG**, **Per HÖLMICH**, **Kristoffer Weisskirchner BARFOD**

#48248 - OP24 The cost of a limb salvage in a diabetic foot: is it really worth it? **Laia LOPEZ CAPDEVILA** (Barcelona, Spain), **Manel FA**, **Sergio LOPEZ**

ZETA
Room

10:45

Coffee Break, visit the Exhibition

11:15 - 12:15

UPDATE IN HALLUX VALGUS SURGERY

11:15

Moderators: **Senthil KUMAR** (Glasgow, United Kingdom), **Antonio VILADOT** (Barcelona, Spain)

Is still scarf osteotomy the gold standard? **Alessio BERNASCONI** (Napoli, Italy)

Rotational concerns. **Christian PLAASS** (Hannover, Germany)

Should we do more Lapidus? **Helka KOIVU** (Turku, Finland)

Role of MIS with or without fixation. **Daniele MARCOLLI** (Milano, Italy)

Discussion.

ALFA
Room



Saturday 11 October

11:15 - 11:40

EFAS RESEARCH GRANTS & EFAS PRICES

Moderators: **Fabian KRAUSE** (Berne, Switzerland), **Manfred THOMAS** (Augsburg, Germany)

EFAS Certification.
EFAS Best Presidential Price.
EFAS Research Foundation-MEDARTIS Research Grant for Foot & Ankle Arthrodesis.
EFAS Research Foundation-MEDARTIS Research Grant for Foot & Ankle Disorders.
EFAS Best Oral Presentation.
EFAS Best Poster Walk Presentation.

ZETA
Room

11:40 - 12:15

EFAS SHORT VIDEOS PRESENTATIONS

Moderators: **Joris ROBBERECHT** (Turnhout, Belgium), **Melanie VANDENBERGHE** (Antwerp, Belgium)

ZETA
Room

12:20 - 13:20

UPDATE IN SPORT INJURIES IN THE AMATEUR ATHLETE

Moderators: **Martinus RICHTER** (Rummelsberg, Germany), **Markus WALTHER** (München, Germany)

Jones fracture. **Maneesh BHATIA** (Leicester, United Kingdom)
Recalcitrant plantar fasciopathy. **James RITCHIE** (Tunbridge Wells, United Kingdom)
Recalcitrant Achilles insertional tendinopathy. **Xavier OLIVA MARTIN** (Barcelona, Spain)
Peroneus brevis tear with varus hindfoot. **Manfred THOMAS** (Augsburg, Germany)
Discussion.

ALFA
Room

12:20 - 13:20

THE VILNIUS FILM FESTIVAL - WE'LL ALWAYS HAVE VILNIUS.

Moderators: **Aleksas MAKULAVICIUS** (Vilnius, Lithuania), **Antonio MAZZOTTI** (Bologna, Italy)

FDL harvesting. **Ezequiel PALMANOVICH** (Kfar Saba, Israel)
Tibialis posterior transfer. **Maria CÖSTER** (Uppsala, Sweden)
The Windows Approach for midfoot surgery. **Senthil KUMAR** (Glasgow, United Kingdom)
Tips and tricks for a perfect arthroereisis. **Antonio VILADOT** (Barcelona, Spain)
Discussion.

ZETA
Room

13:20

Lunch, Exhibition, Industry Workshops

13:20 - 14:20

SYMPOSIUM INTERNATIONAL WBCT

Applications of Weightbearing CT Imaging from Supra- to Inframalleolar Osteotomies. **Arne BURSENS** (Ghent, Belgium), **François LINTZ** (Toulouse, France), **Cesar DE CESAR NETTO** (Durham, NC, USA), **Scott ELLIS** (New York, USA), **Alessio BERNASCONI** (Napoli, Italy), **Martinus RICHTER** (Rummelsberg, Germany)

BETA 2

14:20 - 15:20

SYMPOSIUM SMITH+NEPHEW

Advances in Lateral Foot Instability and Achilles Tendon Repair. **Henryk LISZKA** (Krakow, Poland)
Orthopedic Surgeon - Foot and Ankle Surgery
Senior Assistant at University Hospital, Kraków
Assistant Professor at Jagiellonian University Medical College

BETA 2

15:20 - 16:20

DISCUSSION FORUM - TRAUMA SOFA DEBATE

Moderators: **Mostafa BENYAHIA** (Copenhagen, Denmark), **Maneesh BHATIA** (Leicester, United Kingdom)

External fixation in foot and ankle trauma. **Anna SPRINCHORN** (Uppsala, Sweden)
MIS in calcaneal fractures. **Elena SAMAILA** (Verona, Italy)
Trimalleolars in the elderly. **Marianne Lund ERIKSEN** (Oslo, Norway)
Most common errors in ankle fracture fixation. **Roman TOTKOVIČ** (košice, Slovakia)
Discussion.

ALFA
Room

15:20 - 16:20

UPDATE IN FOOT AND ANKLE ARTHROSCOPY AND TENDOSCOPY

Moderators: **Peter BOCK** (Vienna, Austria), **Joris HERMUS** (Maastricht, The Netherlands)

ZETA



Saturday 11 October

Role of arthroscopy in pilon/ankle fractures. **Nuno CORTE REAL** (Cascais, Portugal)
Arthrofibrosis and arthroscopy. **Manuel SOUSA** (Lisbon, Portugal)
Any real indications for foot/ankle tendoscopies? **Paulo FELICISSIMO**
Complications in foot and ankle arthroscopy and tendoscopy. **Alistair WILSON** (Belfast, United Kingdom)
Discussion.

Room

16:20 - 17:20

EFAS FORA

16:20

Looking for consensus on ... Foot and Ankle Trauma

Moderators: **Nikolaos GOUGOULIAS** (Katerini, Greece), **Stefan RAMMELT** (Dresden, Germany)

ALFA
Room

Surgical approaches to fix ankle fractures. **Nikolaos GOUGOULIAS** (Katerini, Greece)
Syndesmosis fixation techniques. **Andrzej BOSZCZYK** (Warsaw, Poland)
The role of arthroscopy in acute ankle fractures. **Hans POLZER** (Munich, Germany)
When and how to deal with malunions. **Stefan RAMMELT** (Dresden, Germany)
Discussion.

16:20 - 17:20

EFAS FORA

EFAS FORA - Looking for consensus on ... Paediatric Foot and Ankle

Moderators: **Maurizio DE PELLEGRIN** (Italy), **Anja HELMERS** (Germany)

ZETA
Room

Which is the best age for surgical treatment of flatfoot in children? **Antonio MAZZOTTI** (Bologna, Italy)
Is arthroereisis the right way to correct every flatfoot in adolescents? **Maurizio DE PELLEGRIN** (Italy)
Do bony procedures represent an alternative to arthroereisis for flatfoot correction in children? **Anja HELMERS** (Germany)
Bridging the gap between adult and pediatric flatfoot: the adult surgeon's perspective. **François LINTZ** (Toulouse, France)
Discussion.

17:20 - 17:25

CONCLUSION AND CLOSING REMARKS

17:20

Moderators: **Aleksas MAKULAVICIUS** (Vilnius, Lithuania), **Manuel MONTEAGUDO** (Madrid, Spain), **Manfred THOMAS** (Augsburg, Germany)

ALFA
Room

09:00 - 18:00

EPOSTER - ANKLE

09:00

#46071 - EP001 An updated systematic review and meta-analysis of outcomes of open versus arthroscopic repair of lateral ankle ligament for lateral Ankle Instability. **Rajesh Kumar RAJNISH**, **Sandeep Kumar YADAV** (Jodhpur, India)
#46284 - EP002 Comparison of Early Postoperative outcomes and Work Relative Value Units-Based Compensation Following Primary versus Revision Total Ankle Arthroplasty. **John McDONALD**, **Wonyong LEE** (Chicago, IL, USA, USA)
#46293 - EP003 Is Total Ankle Arthroplasty Adequately Compensated? A Propensity Score-Matched Comparison of Work Relative Value Units with Other Joint Arthroplasties. **Andrew LACHANCE**, **Patrick SUN**, **Wonyong LEE** (Chicago, IL, USA, USA)
#46316 - EP004 Comparative Analysis of Work Relative Value Units in Surgical Treatment of Common Orthopaedic Fractures: Ankle, Distal Radius, and Proximal Hip: A Propensity Score Matched Comparative Study. **Patrick SUN**, **Wonyong LEE** (Chicago, IL, USA, USA)
#47533 - EP005 Operative Treatment of Nonprimary Osteochondral Lesions of the Talus: A Systematic Review. **Rui CARDOSO** (Aveiro, Portugal), **Renato ANDRADE**, **Ines MONTEIRO**, **Catia MACHADO**, **Filipe MALHEIRO**, **Pedro SERRANO**, **Paulo AMADO**, **Joao ESPREGUEIRA MENDES**, **Bruno PEREIRA**
#47602 - EP006 An artificial intelligence-based gpt decision aid for single versus two-stage total ankle arthroplasty in coronal deformities. **Cesar E. C. F. MARTINS** (BRASIL, Brazil), **Marcelo TARSO TORQUATO**, **Henrique GORDAN F M**
#47719 - EP007 Comparison Between Supramalleolar Osteotomy Alone and Combined Medial Malleolar Osteotomy in Stage 3b Varus Ankle Osteoarthritis. **Naohiro HIO** (Gunma, Japan)
#48042 - EP008 Clinical outcome with alumina ceramic custom talar prosthesis in revision total ankle arthroplasty. **Koichiro YANO** (Tokyo, Japan), **Katsunori IKARI**, **Arisa YOSHIDA**, **Ken OKAZAKI**
#48057 - EP009 HETEROTOPIC OSSIFICATIONS IN ANTERIOR AND LATERAL APPROACH TOTAL ANKLE REPLACEMENT: A RETROSPECTIVE EVALUATION. **Giammarco GARDINI** (Bologna, Italy), **Silvio CARAVELLI**, **Marco DI PONTE**, **Carlo CAPODAGLI**, **Luca BERVEGLIERI**, **Annalisa BAIARDI**, **Emanuele VOCALE**, **Massimiliano MOSCA**
#48068 - EP010 Description for safe zones for arthroscopic deltoid ligament repair - a cadaveric analysis. **Vidhya Sagar MANOHARAN** (Singapore, Singapore), **Don KOH JUN RUI**, **Charles KON KAM KING**
#48222 - EP013 Stable fibula fractures: Have we changed our surgical indication? What are our results?
Judit MARTINEZ ZARAGOZA, **Zulema MONTILLA GARCIA** (BARCELONA, Spain), **Montserrat CASTILLO POU**
#48225 - EP014 The Impact of Investigator Experience on the Reliability of Commonly Utilized Radiological Outcome Measures in Transfibular Total Ankle Replacement. **Gonzalo BASTIAS**, **Ignacio VALDERRAMA**, **Magdalena JOFRE**, **Bruno ROCO**, **Hugo ZANETTA**, **Marco KOCH**, **Martin CONTRERAS**, **Mario ABARCA**, **Francisco BRAVO**, **Camilo PIGA** (Santiago, Chile)
#48228 - EP015 Initial treatment of dislocated ankle fractures with cast immobilization or external fixator: a systematic review and meta-analysis. **Paolo Ivan FIORE** (Lugano, Switzerland), **Paolo Ivan FIORE**, **Riccardo GARIBALDI**, **Marco CUZZOLIN**, **Andrea Stefano MONTELEONE**, **Martin RIEGGER**
#48234 - EP017 The utility of needle arthroscopy in the ankle joint: A cadaveric study evaluating visualization, surgical feasibility, and learning curve considerations. **Blazej WOJTOWICZ** (Lodz, Poland), **Lesman JEDRZEJ**, **Rafal DLUGOZIMA**, **Lukasz GOLEK**, **Marcin DOMZALSKI**
#48237 - EP018 Enhancing total ankle arthroplasty planning: the role of artificial intelligence and 3D imaging in hindfoot realignment. **Agustin BARBERO** (Milan, Italy), **Carla CARFI**, **Cristian INDINO**, **Camilla MACCARIO**, **Serban Andrei CONSTANTINESCU**, **Federico USUELLI**
#48238 - EP019 Fibular morphology and syndesmotic alterations in coronal plane deformities of ankle osteoarthritis: a weightbearing CT Study. **Agustin BARBERO** (Milan, Italy), **Efrima BEN**, **Carla CARFI**, **Serban Andrei CONSTANTINESCU**, **Cristian INDINO**, **Camilla MACCARIO**, **Federico USUELLI**
#48239 - EP020 Abnormal axial rotation of the talus on weightbearing computed tomography in patients with microinstability



Saturday 11 October

- of the ankle. Efrima BEN, Agustin BARBERO (Milan, Italy), Cristian INDINO, Camilla MACCARIO, Federico USUELLI
 #48251 - EP021 Analysis of 613 primary total ankle replacements: a 15-year follow-up study. What Can You Expect After a Total Ankle Replacement? Marianne KOOLEN (The Hague, The Netherlands), Carlos ALBARRÁN, Tudor TRACHE, Sultan ALHARBI, Andrea VELJKOVIC, Murray PENNER, Kevin WING, Alastair YOUNGER
 #48259 - EP022 The fibula as an autograft nail: a novel approach in post-arthrodesis calcaneal fracture, a case report. Vetra MARKEVICIUTE (Vetra Markeviciute, Lithuania), Karolina STASKEVICIUTE, Ghenwa HADDAD
 #48263 - EP023 World variation in chronic Achilles tendon ruptures management: insights from an international survey. Sofia CALDEIRA-DANTAS (Santiago do Cacém, Portugal), Emanuel SEIÇA, João CAETANO, Daniel MENDES, Manuel SOUSA, João VIDE
 #48265 - EP024 Trimalleolar or quadrimalleolar ankle fractures? How accurate are x-rays? Nicholas WARD (Liverpool, United Kingdom), Shahjahan ASLAM, Kosha GALA, Muhaned EL-GHERYANI, Arjun PARAMASIVAN, Vasileios LAMPRIDIS, Anjani SINGH, Lyndon MASON
 #48269 - EP025 Talus Subchondral Density Predicts Ankle Osteoarthritic Patterns Associated with Hindfoot Malalignment. François LINTZ (Toulouse), Alessio BERNASCONI, Wolfram GRÜN, Enrico POZZESSERE, Emily LUO, Conor O'NEILL, Samuel ADAMS, Cesar DE CESAR DE NETTO
 #48272 - EP026 Evaluation of preoperative osteoporosis on post-surgical outcomes in patients undergoing ankle fracture open reduction internal fixation. Cassandra D'AMICO, Jagannath KANDADAI, Hana HASHIOKA, Ronit KULKARNI, Myra CHAO, Christopher E GROSS, Daniel SCOTT (Charleston, USA)
 #48273 - EP027 Effects of preoperative psychiatric medication utilization on outcomes of ankle fracture open reduction internal fixation. John MARTINO, Hana HASHIOKA, Jagannath KANDADAI, Christopher E GROSS, Daniel SCOTT (Charleston, USA)
 #48274 - EP028 Impact of preoperative alkaline phosphatase on postoperative outcomes following ankle fracture open reduction and internal fixation. Ronit KULKARNI, Jagannath KANDADAI, Hana HASHIOKA, Christopher E GROSS, Daniel SCOTT (Charleston, USA)
 #48275 - EP029 The effect of non-tobacco nicotine on ankle arthrodesis. Jagannath KANDADAI, Ronit KULKARNI, Hana HASHIOKA, Christopher E GROSS, Daniel SCOTT (Charleston, USA)
 #48276 - EP030 Non-tobacco nicotine dependence and outcomes in ankle open reduction internal fixation. Jagannath KANDADAI, Ronit KULKARNI, Hana HASHIOKA, Christopher E GROSS, Daniel SCOTT (Charleston, USA)
 #48277 - EP031 Post-traumatic stress disorder does not increase the risk of complications in ankle fracture open reduction internal fixation. Jagannath KANDADAI, Hana HASHIOKA, Christopher E GROSS, Daniel SCOTT (Charleston, USA)
 #48278 - EP032 Evaluation of postoperative outcomes in patients with dementia undergoing ankle fracture open reduction internal fixation. Cassandra D'AMICO, Hana HASHIOKA, Jagannath KANDADAI, Christopher E GROSS, Daniel SCOTT (Charleston, USA)
 #48279 - EP033 Effects of selective serotonin reuptake inhibitors on outcomes following foot and ankle fracture open reduction internal fixation. Andrew WHITE, Hana HASHIOKA, Jagannath KANDADAI, Christopher E GROSS, Daniel SCOTT (Charleston, USA)
 #48280 - EP034 Impacts of psychiatric medication use on revision and complication rates in total ankle arthroplasty. John MARTINO, Paul POTTANAT, Hana HASHIOKA, Jagannath KANDADAI, Christopher E GROSS, Daniel SCOTT (Charleston, USA)
 #48281 - EP035 Effects of preoperative psychiatric medication utilization on outcomes of midfoot, hindfoot, and ankle fusions. John MARTINO, Hana HASHIOKA, Jagannath KANDADAI, Christopher E GROSS, Daniel SCOTT (Charleston, USA)
 #48282 - EP036 PROMs Behavior and Survivorship of Total Ankle Replacement Revisions. Carlos ALBARRÁN, Marianne KOOLEN (The Hague, The Netherlands), Sultan ALHARBI, Tudor TRACHE, Oliver GAGNE, Andrea VELJKOVIC, Alastair YOUNGER, Murray PENNER, Kevin WING
 #48294 - EP037 Transfibrillar Total Ankle Arthroplasty in Valgus deformity: A WBCT Study of pre- and post-operative Alignment and Syndesmosis Correction. Carla CARFÌ (Milano, Italy), Agustin BARBERO, Ben EFRIMA, Cristian INDINO, Camilla MACCARIO, Federico Giuseppe USUELLI
 #48296 - EP038 AFCEP French Total Ankle Replacement (TAR) Registry: activity report at 12 years. Jean-Luc BESSE (Lyon), Pierre BAROUK, Evelyne DECULLIER, Association Francaise De Chirurgie Du Pied AFCEP
 #48297 - EP039 Long-term functional and radiological follow-up of 2 techniques to fill TAR (Total Ankle Replacement) cysts: autograft and/or PCA substitute versus PMAA cement. Jean-Luc BESSE (Lyon), Florian VOIRIN, Conor MORAN, Marcelle MERCIER, Anthony VISTE
 #48298 - EP040 39 Total Ankle Replacement (TAR) in hemophilic patients: outcome and survival. Jean-Luc BESSE (Lyon), Bastien MICHON, Jean-Baptiste MASSON, Anthony VISTE
 #48300 - EP041 LockBox Technique for Tibio-Talo-Calcaneal Arthrodesis using Retrograde Nails via Single Anterior Approach: A Retrospective Cohort Study. Alberto ARCERI (Bologna, Italy), Antonio MAZZOTTI, Simone ZIELLI, Federico SGUBBI, Pejman ABDI, Cesare FALDINI
 #48303 - EP042 Costs of ankle osteoarthritis in the year prior to ankle fusion. Ronit KULKARNI, Andrew WHITE, Myra CHAO, Hana HASHIOKA, Christopher E GROSS, Daniel SCOTT (Charleston, USA)
 #48304 - EP043 Preoperative osteoporosis and its association with postoperative outcomes following midfoot, hindfoot, or ankle arthrodesis. Ronit KULKARNI, Jagannath KANDADAI, Hana HASHIOKA, Christopher E GROSS, Daniel SCOTT (Charleston, USA)
 #48305 - EP044 Costs of ankle osteoarthritis in the year prior to total ankle arthroplasty. Ronit KULKARNI, Andrew WHITE, Myra CHAO, Hana HASHIOKA, Christopher E GROSS, Daniel SCOTT (Charleston, USA)
 #48307 - EP045 The impact of cushing's syndrome on postoperative outcomes following ankle fracture open reduction internal fixation. Jagannath KANDADAI, Hana HASHIOKA, Maxwell NORTHROP, Myra CHAO, Christopher E GROSS, Daniel SCOTT (Charleston, USA)
 #48316 - EP046 Increased BMI may be protective against prosthetic joint infection following total ankle arthroplasty. Emily LUO (Durham, NC, USA), Enrico POZZESSERE, Kevin WU, Albert ANASTASIO, Francois LINTZ, Wolfram GRÜN, Pierre-Henri VERMOREL, Cesar DE CESAR NETTO
 #48324 - EP048 HETEROTOPIC OSSIFICATIONS IN ANTERIOR-APPROACH TOTAL ANKLE ARTHROPLASTY: INCIDENCE, ANATOMICAL DISTRIBUTION, AND CORRELATIONS WITH CLINICAL AND DEMOGRAPHIC PARAMETERS. Simone Ottavio ZIELLI, Antonio MAZZOTTI (Bologna, Italy), Alberto ARCERI, Laura LANGONE, Gianmarco GEMINI, Cesare FALDINI
 #48329 - EP049 Lower Body Mass Index Increases Risk of Gutter Impingement after Total Ankle Arthroplasty. Enrico POZZESSERE (Durham, USA), Emily J. LUO, Albert ANASTASIO, Wolfram GRÜN, Francois LINTZ, Pierre-Henri VERMOREL, Samuel ADAMS, Mark Easley EASLEY, Cesar DE CESAR NETTO
 #48332 - EP050 How the risk analysis index predicts outcomes following ankle fracture open reduction and internal fixation. Ronit KULKARNI, Jagannath KANDADAI, Hana HASHIOKA, Christopher E GROSS, Daniel SCOTT (Charleston, USA)
 #48334 - EP051 Effect of tobacco and non-tobacco nicotine dependence on postoperative outcomes following ankle fracture open reduction internal fixation. Kola GEORGE, Jagannath KANDADAI, Claudia SATZKE, Hana HASHIOKA, Christopher E GROSS, Daniel SCOTT (Charleston, USA)
 #48343 - EP052 REVISION RATES OF NEW TOTAL ANKLE REPLACEMENTS VS OLD TOTAL ANKLE REPLACEMENT. Carlos ALBARRÁN, Marianne KOOLEN (The Hague, The Netherlands), Sultan ALHARBI, Tudor TRACHE, Oliver GAGNE, Andrea VELJKOVIC, Kevin WING, Murray PENNER, Alastair YOUNGER
 #48344 - EP053 PREDICTIVE MODEL FOR AOS REVISION IN TOTAL ANKLE REPLACEMENT: DOCTOR, WILL MY SYMPTOMS GET BETTER AFTER THE ANKLE REPLACEMENT? Carlos ALBARRÁN, Marianne KOOLEN (The Hague, The Netherlands),



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Tudor TRACHE, Sultan ALHARBI, Oliver GAGNE, Andrea VELJKOVIC, Murray PENNER, Alastair YOUNGER, Kevin WING
 #48349 - EP054 Comparative analysis of thromboembolic outcomes following ankle arthrodesis and arthroplasty.
Kush MODY (Newark, NJ, USA), Avani CHOPRA, Iyad ALI, Michael AYNARDI, Sheldon LIN
 #48350 - EP055 Postoperative outcomes of total ankle arthroplasty vs ankle arthrodesis in patients with well-controlled diabetes. **Kush MODY (Newark, NJ, USA), Avani CHOPRA, Spencer RASMUSSEN, Michael AYNARDI, Sheldon LIN**
 #48355 - EP056 Impact of a peroneus longus to brevis tendon transfer on gait - a prospective case series.
Anna SPRINCHORN (Uppsala, Sweden), Gunilla E FRYKBERG, Jón KARLSSON, Karl MICHAËLSSON
 #48369 - EP058 Joint Destruction Following Trimalleolar Ankle Fracture: Osteomyelitis or Charcot Arthropathy? A Case Report.
Alberto PLASENCIA-HURTADO DE MENDOZA, Maria-Soledad PEREZ-ANTOÑANZAS (Madrid, Spain), Araceli MENA-ROSON
 #48372 - EP059 Evaluating implant survivorship and revision rates in salto talaris total ankle arthroplasty. **Nana AMPONSAH (Center City, Philadelphia, USA), Joydeep BAIDYA, Adam LENCER, Kush MODY, Adam KOHRING, Joseph MCCAHERN, David PEDOWITZ, Joseph DANIEL, Brian WINTERS, Selene PAREKH**
 #48398 - EP062 Analyzing implant longevity and revision rates in cadence ankle arthroplasty. **Nana AMPONSAH (Center City, Philadelphia, USA), Joydeep BAIDYA, Kush MODY, Adam KOHRING, Maximiliano BUCKNER, Quinn KIRKPATRICK, Alexander ZAVITSANOS, Joseph DANIEL, David PEDOWITZ, Selene PAREKH**
 #48399 - EP063 Insurance coverage and total ankle arthroplasty: utilization and outcome differences. **Nana AMPONSAH (Center City, Philadelphia, USA), Joydeep BAIDYA, John PIGNATARO, Kush MODY, Amy NGHE, Matthew CULKIN, Maximiliano BUCKNER, Joseph DANIEL, David PEDOWITZ, Selene PAREKH**
 #48401 - EP064 Association of bodyweight with total ankle arthroplasty outcomes. **Nana AMPONSAH (Center City, Philadelphia, USA), Joydeep BAIDYA, Kush MODY, Alexander ZAVITSANOS, Maximiliano BUCKNER, Matthew CULKIN, Quinn KIRKPATRICK, David PEDOWITZ, Joseph DANIEL, Selene PAREKH**
 #48410 - EP067 Tibiotalar arthrodesis using external fixation for septic and post-traumatic ankle sequelae. **Roberto BEVONI (Bologna, Italy), Elena ARTIOLI, Marco DI PONTE, Emanuele VOCALE, Silvio CARAVELLI, Massimiliano MOSCA**
 #48441 - EP070 Outcomes of Subtalar Arthrodesis in Post-Traumatic versus Non-Traumatic Subtalar Arthritis: our 5 year experience. **Sara NEVES (Vila Real, Portugal), André GUIMARÃES, Rui CHAVES, Rita SOUSA**
 #48447 - EP071 Risk for Total Ankle Arthroplasty or Ankle Fusion After Tibial Plafond Fractures: A Systematic Review. **Tommaso GRECO, Chiara COMISI (ROMA, Italy), Federico MORETTI, Antonio MASCO, Giulio MACCAURO, Carlo PERISANO**
 #48449 - EP072 Utilization of Custom Stemmed Tibial Tray for Revision Total Ankle Arthroplasty: A Case Series.
Joydeep BAIDYA (Philadelphia, USA), Nana AMPONSAH, Kush MODY, David PEDOWITZ, Joseph DANIEL, Selene PAREKH
 #48450 - EP073 Impact of Smoking on Operative Repair of Insertional Achilles Tendinopathy with Haglund's Deformity.
Joydeep BAIDYA, Nana AMPONSAH (Center City, Philadelphia, USA), Kush MOODY, Nate ROSE, Tyler WEST, Omar SARHAN, Grant THOMAS, David PEDOWITZ, Joseph DANIEL, Selene PAREKH
 #48451 - EP074 Cover the uncovered: early and mid-term results of minced cartilage repair of talar dome osteochondral lesions. **Borna STRAHONJA (Zagreb, Croatia), Hrvoje KLOBUČAR, Filip Anton BOŽINOVIĆ**

09:00 - 18:00

EPOSTER - FOREFOOT

#45529 - EP075 Autologous Matrix Induced Chondrogenesis plus Peripheral Blood Concentrate (AMIC+PBC) in Chondral Defects of the First Metatarsophalangeal Joint - 7-Year Follow-up. **Martinus RICHTER (Rummelsberg, Germany), Stefan ZECH, Issam NAEF, Stefan A MEISSNER**
 #45539 - EP076 Medially positioned plate in MTP1 joint arthrodesis. A new solution to an old problem. **Leszek KUIK (Gdańsk, Poland), Piotr ŁUCZKIEWICZ**
 #45546 - EP077 Open Excision vs. Percutaneous Intermetatarsal Ligament Release for Morton's Neuroma: A Comparative Analysis - Is Width Important? **Emanuel CORTESÃO DE SEIÇA (Lisbon, Portugal), João SEIXAS, Alexei BURUIAN, Daniel PEIXOTO, Primož POTOČNIK, João VIDE**
 #45576 - EP078 Double Osteotomy in Recurrence Cases With Increased DMMA After Hallux Valgus Dystal Surgery. **Emre BACA (Istanbul, Turkey), Mehmet Utku ÇİFTÇİ, Mustafa Görkem KAYA**
 #47641 - EP079 Does clinical pronation of the toe correlate with metatarsal rotation? A Retrospective analysis of weightbearing CT images. **Welck MATTHEW, Beer ALEXANDER (London, United Kingdom), Hussain AL-OMAR, Ali NAJEFI, Togay KOC, Cullen NICHOLAS, Patel SHELAIN, Malhotra KARAN**
 #47982 - EP080 Bone graft augmentation in fourth generation percutaneous hallux valgus surgery. **Thomas LEWIS (, United Kingdom), Lily FLETCHER, Clare WATT, Evelyn MURPHY, Min Jia CHUA, Andreas TOEPFER, Peter LAM**
 #47983 - EP081 The Filament Union Sign: Prevalence and clinical outcomes of incomplete bone remodeling following percutaneous hallux valgus surgery. **Thomas LEWIS (, United Kingdom), Clare WATT, Lily FLETCHER, Evelyn MURPHY, Min Jia CHUA, Gabriel FERREIRA, Andreas TOEPFER, Peter W ROBINSON, Robbie RAY, Peter LAM**
 #47985 - EP082 First metatarsal pronation correction after fourth-generation percutaneous transverse osteotomy for hallux valgus. **Peter LAM, Lily FLETCHER, Clare WATT, Robbie RAY, Miquel DALMAU-PASTOR, Cesar DE CESAR NETTO, Thomas LEWIS (, United Kingdom)**
 #47986 - EP083 Fourth generation percutaneous transverse osteotomies for hallux valgus. **Peter LAM, Evelyn MURPHY, Min Jia CHUA, Robbie RAY, Clare WATT, Peter W ROBINSON, Wesley MONTGOMERY, Miquel DALMAU-PASTOR, Thomas LEWIS (, United Kingdom)**
 #47988 - EP084 Validation of a classification system for first metatarsal osteotomy healing following minimally invasive hallux valgus surgery. **Thomas LEWIS (, United Kingdom), Sanjana MEHROTRA, Jonathan KAPLAN, Tyler GONZALEZ, Sergio MORALES, Thomas A J GOFF, Vikramman VIGNARAJA, Ayla NEWTON, Robbie RAY, Peter LAM**
 #47992 - EP086 Complete versus incomplete percutaneous distal closing wedge osteotomy for bunionette (tailor's bunion) deformity correction: a comparative study. **Sanjana MEHROTRA, Mohamed AHAMED, Ayla NEWTON, Lilanthi WICKRAMARACHCHI, Mohamed YOUSEF, Peter LAM, Thomas LEWIS (, United Kingdom), Robbie RAY**
 #47993 - EP087 Minimally invasive hallux valgus surgery: comparing patient outcomes between consultant-led and supervised trainee procedures. **Ben LAU, Ayla NEWTON, Vikramman VIGNARAJA, Samuel FRANKLIN, Samuel TROWBRIDGE, Thomas LEWIS (, United Kingdom), Robbie RAY**
 #47994 - EP088 A Systematic Review of Biomechanical Studies Utilising Finite Element Analysis in Hallux Valgus Deformity. **Ryan GELEIT, Gustavo NUNES, Peter LAM, Robbie RAY, Gabriel FERREIRA, Thomas LEWIS (, United Kingdom)**
 #47998 - EP089 Risk factors for metatarsal fracture in minimally invasive hallux valgus surgery: a case-control study. **Gabriel FERREIRA, Daniel SONNEWAND, Guilherme FERRARI, Renato PORTO, Davy SEVILLA, Mauro CESAR MATTOS E DINATO, Thomas LEWIS (, United Kingdom), Robbie RAY, Miguel VILHO**
 #48045 - EP090 Long term survival of the TOEFIT Plus 1st Metatarsophalangeal joint replacement for end stage hallux rigidus. **Rohan RAJAN, Islam SARHAN (UK, United Kingdom)**
 #48148 - EP092 Minimally Invasive Surgery versus Open Metatarsophalangeal Joint Fusion: A Systematic review. **Janak PARMAR, Janak PARMAR (United kingdom, United Kingdom)**
 #48255 - EP094 Third-generation minimally invasive hallux valgus surgery: short-term results. **Evita RUMBA (Kuldīga, Latvia), Alma EGLE, Ruta JAKUŠONOKA, Ricards LEVCIKS, Zane PAVARE**
 #48261 - EP095 Topical tranexamic acid in forefoot surgery: a prospective observational study with a retrospective control group. **M. Concepción CASTRO BÓVAREZ (Barcelona, Spain), Judit SIERRA OLIVA, Juan Manuel MORELL LUQUE, Elisabet MARTÍNEZ MARCHAN, Borja GARCIA TORRES, Paula SERRANO CHINCHILLA, Félix CASTILLO GARCIA**



Saturday 11 October

- #48286 - EP096 Ultrasound-Guided Injection Versus Surgical Neurectomy for Morton Neuroma: a retrospective analysis of the results. Cecilia PASQUALI (Busto Arsizio, Italy), Gabriele COLO, Jacopo ROSSI, Luca CONFALONIERI, Massimiliano LEIGHB, Michele Francesco SURACE
- #48287 - EP097 Periosteal suture fixation of akin osteotomy. Lucía GONZÁLEZ-GARCÍA (Palencia, Spain), Carmen GONZÁLEZ-ALONSO, Blanca VÁZQUEZ-GARCÍA, Juan MINGO-ROBINET
- #48321 - EP098 Müller-Weiss Syndrome: A Comparative Study of Calcaneal Osteotomy and Talonavicular Fusion in Surgical Management. Patrícia VAZ DA CUNHA (Guimaraes, Portugal), Miguel ROCHA, João LUCAS, Rui Matos CERQUEIRA, João SOEIMA, Frederic Da Cunha RAMALHO, Ricardo MARTA, Maribel GOMES, António MOREIRA
- #48322 - EP099 DOES BUNION SURGERY AFFECT HINDFOOT ALIGNMENT? Giammarco GARDINI (Bologna, Italy), Yohana MICHEL BELLOTT, Marie-Aude MUNOZ, Camille RODAIX, Wolfram GRÜN, Enrico POZZESSERE, Emily J LUO, Pierre-Henri VERMOREL, Cesar CESAR DE NETTO, Francois LINTZ
- #48328 - EP100 Prospective, randomised controlled trial to evaluate the effect of weight bearing on patient outcomes following 1st metatarsophalangeal joint fusion. Joel MORASH, Scott PURDIE (Aberdeen, United Kingdom), Bernard BERGESSE, Mark GLAZEBROOK
- #48339 - EP102 Monitoring Post-Operative Swelling in Minimally Invasive Hallux Valgus Surgery using Conebeam CT: a longitudinal study. Camille RODAIX (Montpellier), Sarah Rose HALL, Marie-Aude MUNOZ, Julien BELDAME, Wolfram GRÜN, Enrico POZZESSERE, Jonathan KAPLAN, Mark EASLEY, Cesar DE CESAR DE NETTO, François LINTZ
- #48347 - EP103 Comparison of WBCT and 3D-Printed Models for Hallux Valgus Assessment. Antoine ACKER (Geneva, Switzerland), Enrico POZZESSERE, Aaron THERIEN, Wolfram GRÜN, Emily LUO, Pierre-Henri VERMOREL, Erik HUANUCO CASAS, François LINTZ, Cesar DE CESAR NETTO
- #48360 - EP104 Three-Dimensional Evaluation of DMAA in Hallux Valgus Using Weight-Bearing CT. Alberto BAILEZ (Barcelona, Spain), Victor DUBOIS-FERRIÈRE, Mathieu ASSAL, Antoine ACKER
- #48362 - EP105 Radiographic and Functional Outcomes of Guided PETA Osteotomy for Hallux Valgus Correction. Antoine ACKER (Geneva, Switzerland), Pierobon FILIPPO, Alberto BAILEZ, Theenesh T. BALAKRISHNAN, Mathieu ASSAL, Victor DUBOIS-FERRIÈRE
- #48363 - EP106 Silastic Joint Arthroplasty as a Joint-Preserving Alternative for End-Stage Hallux Rigidus: Outcomes From 112 First Metatarsophalangeal Joint Arthroplasties. Rajiv LIMAYE, Mohit SETHI, Chirag RAO (Stockton-on-Tees, United Kingdom)
- #48364 - EP107 Silastic Joint Arthroplasty as a Joint-Preserving Alternative for End-Stage Hallux Rigidus: Outcomes From 112 First Metatarsophalangeal Joint Arthroplasties. Rajiv LIMAYE, Mohit SETHI, Chirag RAO (Stockton-on-Tees, United Kingdom)
- #48367 - EP108 Nonunion after scarf osteotomy for hallux valgus: a case report. Alberto PLASENCIA-HURTADO DE MENDOZA, Pérez-Antoñanzas MARIA-SOLEDAD (Madrid, Spain), Araceli MENA-ROSON
- #48413 - EP109 The impact of non-tobacco nicotine dependence on postoperative outcomes following first metatarsophalangeal joint fusion. Anish PONNA (Philadelphia, USA), Kush MODY, Abhinav BHAMIDIPATI, Joydeep BAIDYA, Nana AMPONSAH, Selene PAREKH
- #48424 - EP111 Modified Lapidus Procedure: Clinical and Radiographic Outcomes. Simone SANTINI, Marco DONANTONI (Rome, Italy), Paolo CECCARINI, Andrea MARINOZZI
- #48443 - EP112 Impact of preoperative demographic and radiographic characteristics on postoperative outcomes of hallux valgus. Sara NEVES (Vila Real, Portugal), André GUIMARÃES, Rui CHAVES, Rita SOUSA, Ricardo GERALDES
- #48488 - EP113 Metatarsal rotation in patients with hallux valgus and metatarsus adductus. Stone STREETER, BS, Rachel THOMPSON, BS, Agnes JONES, MS, Scott ELLIS, MD, Holly JOHNSON, MD, Matthew CONTI, MD (New York, USA)
- #48489 - EP114 Weightbearing computed tomography scans demonstrate intercuneiform and naviculocuneiform joint involvement in hallux valgus patients. Brian CLOSKEY, BS, Brett STEINEMAN, PHD, Shu-Han WANG, MS, Holly JOHNSON, MD, Scott ELLIS, MD, Matthew CONTI, MD (New York, USA)

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EPOSTERS - HINDFOOT

- #45858 - EP115 Wedge Tarsectomy using Patient Specific Instrumentation in a Tertiary Foot and Ankle Unit. Panagiotis POULIOS, Yahya IBRAHIM (London, United Kingdom), Shelain PATEL, Nicholas CULLEN, Matthew WELCK, Karan MALHOTRA
- #47999 - EP115 EP120 Functional Impact of Hindfoot Fusion: SF-36 Domain Specific Analysis and Correlation with AOFAS and VAS Scores. Chang Yi WOON (Singapore, Singapore), Ramesh RADHAKRISHNAN, Jeremy Tze En LIM, Kizher Shajahan MOHAMED BUHARY, Rui Xiang TOH, Zongxian LI, Kae Sian TAY
- #46327 - EP116 The influence of obesity on early postoperative outcomes following the surgical treatment of Achilles tendinopathy: The National Surgical Quality Improvement Program Database Study. Aidan JAGASIA, Patrick SUN, Wonyong LEE (Chicago, IL, USA, USA)
- #47766 - EP117 Sagittal alignment following ankle and tibiotalar calcaneal arthrodesis: A retrospective review of radiological and patient reported outcomes. Prashant SINGH (London, UK, United Kingdom), Amy STILL, Karan MALHOTRA, Panagiotis POULIOS, Muhammad CHATTOO, Shelain PATEL, Nicholas CULLEN, Matthew WELCK
- #47964 - EP118 Impact of Body Mass Index on Functional Outcomes Following Hindfoot Fusions: A Stratified Analysis. Ramesh RADHAKRISHNAN (Singapore, Singapore), Jeremy Tze En LIM, Chang Yi WOON, Rui Xiang TOH, Kizher Shajahan MOHAMED BUHARY, Zongxian LI, Kae Sian TAY
- #47991 - EP119 Percutaneous closing wedge calcaneal Zadek osteotomy for insertional achilles tendinopathy with and without pes cavus: a comparative multi-centre study. Thomas LEWIS (, United Kingdom), Lily FLETCHER, Clare WATT, Robbie RAY, Togay KOC, Ayla NEWTON, Gabriel FERREIRA, Peter LAM
- #48000 - EP121 Predictors of Functional Recovery After Hindfoot Fusion: A Multivariable Regression Analysis. Ramesh RADHAKRISHNAN (Singapore, Singapore), Jeremy Tze En LIM, Chang Yi WOON, Kizher Shajahan MOHAMED BUHARY, Rui Xiang TOH, Zongxian LI, Kae Sian TAY
- #48226 - EP124 Impact of Weight-bearing on Progressive Collapsing Foot Deformity Shape: A Geometric Morphometric Analysis. Jing LI, Emmanuel AUDENAERT, Arne BURSSSENS (Ghent, Belgium), Matthias PEIFFER, Ide VAN DEN BORRE, Roel HUYSENTRUYT, Aline VAN OEVELEN, Kate DUQUESNE
- #48230 - EP125 Tarsal coalitions in the adult population. Amel DJERBAL (ALGER, Algeria), Samir TEBANI, Mahdi GHÉNAIET, Amina HADAD, Nabil AKROUNE
- #48240 - EP126 Impact of subtalar distraction arthrodesis via modified Grice-Green procedure on the ankle joint. Elena ARTIOLI (Bologna, Italy), Antonio MAZZOTTI, Gianmarco DI PAOLA, Federico SGUBBI, Pejman ABDI, Cesare FALDINI
- #48241 - EP127 Midfoot malalignment after triple fusion: a case report and literature analysis. M. Concepción CASTRO ÁLVAREZ (Barcelona, Spain), Judit SIERRA OLIVA, Juan Manuel MORELL LUQUE, Marcos CRUZ SÁNCHEZ, Borja GARCIA TORRES, Camila CHANES PUIGGROS, Félix CASTILLO GARCIA
- #48252 - EP128 Patients Perceive Subtalar Osteoarthritis to Be as Severe as Ankle Osteoarthritis: A Prospective Cohort Study. Marianne KOOLEN (The Hague, The Netherlands), Carlos ALBARRÁN, Sultan ALHARBI, Tudor TRACHE, Murray PENNER, Andrea VELJKOVIC, Alastair YOUNGER, Kevin WING
- #48258 - EP129 Five-Year Review of Hindfoot Arthrodesis: Outcomes of Open vs. Arthroscopic Approaches. Ester NAVARRO CANO (Barcelona, Spain), David TORRAS DESUMBILA, Hernan RUIZ MORALES, Fernando FUNES, Albert BROCH



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- #48271 - EP130 Our experience in surgical revision of clubfoot equinovarus: Complexity of deformities and surgical difficulties. **Siham MAHCHOUCHE** (ALGERS, Algeria), **Safaa ROUABHIYA**, **Hayat CHERIFI**
- #48309 - EP131 Identifying the Optimal Placement for Evans and Hintermann Lateral Column Lengthening (LCL) Osteotomies in Progressive Collapsing Foot Deformity (PCFD). **Cesar DE CESAR NETTO** (Durham, NC, USA), **Anna BRYNIARSKI**, **Wolfram GRUN**, **Enrico POZZESSERE**, **Emily LUO**, **Carla CARFI**, **Pierre HENRI-VERMOREL**, **Federico USUELLI**, **Francois LINTZ**
- #48314 - EP132 Joint-Sparing Reconstructive Procedures versus Hindfoot Fusion in the Treatment of Progressive Collapsing Foot Deformity: A Retrospective-Comparative Analysis. **Wolfram GRUN** (Oslo, Norway), **Pierre-Henri VERMOREL**, **Emily J. LUO**, **Acker ANTOINE**, **Enrico POZZESSERE**, **Mark EASLEY**, **Francois LINTZ**, **Cesar DE CESAR NETTO**
- #48318 - EP133 "The eye sees all, but the mind shows us what we want to see." What are the parameters influencing Orthopaedic Foot and Ankle Surgeons to stage Progressive Collapsing Deformity? **Emily LUO** (Durham, NC, USA), **Wolfram GRUN**, **Enrico POZZESSERE**, **Albert ANASTASIO**, **Francois LINTZ**, **Pierre-Henri VERMOREL**, **Aaron THERIEN**, **Cesar DE CESAR NETTO**
- #48330 - EP134 Foot and ankle offset in joint incongruity: A comparative analysis of reference points. **Enrico POZZESSERE** (Durham, USA), **Pierre-Henri VERMOREL**, **Wolfram GRUN GRÜN**, **Bart VAN GRONINGEN**, **Emily J. LUO**, **Alessio BERNASCONI**, **Francois LINTZ**, **Cesar DE CESAR NETTO**
- #48333 - EP135 Axial Talar Rotation and Subtalar Morphology in Progressive Collapsing Foot Deformity: A WBCT-Based Analysis. **Antoine ACKER** (Geneva, Switzerland), **Wolfram GRUN**, **Tommaso FLORIN VALECCHI**, **Erik HUANUCO CASAS**, **Emily LUO**, **Samuel ADAMS**, **François LINTZ**, **Cesar DE CESAR NETTO**
- #48342 - EP136 Evaluation of the Influence of Wedge Position and Orientation in Zadek osteotomy: a Virtual Surgical Simulation study. **Carla CARFI** (Milano, Italy), **Giammarco GARDINI**, **Tommaso FORIN VALVECCHI**, **Gustavo ARAUJO NUNES**, **Enrico POZZESSERE**, **Jonathan KAPLAN**, **Wolfram GRÜN**, **Francois Lintz LINTZ**, **Roberto ZAMBELLI**, **Cesar DE CESAR NETTO**
- #48345 - EP137 Machine Learning for Automated Staging of Progressive Collapsing Foot Deformity Using Weightbearing CT. **François LINTZ** (Toulouse), **Silvinskis VICTOR**, **Tommaso FORIN VALVECCHI**, **Emily LUO**, **Pierre-Henri VERMOREL**, **Enrico POZZESSERE**, **Wolfram GRÜN**, **Antoine ACKER**, **Mark EASLEY**, **Cesar DE CESAR DE NETTO**
- #48351 - EP138 A comparative analysis of subtalar and ankle arthrodesis in patients with and without prior ipsilateral fusion. **Avani CHOPRA**, **Kush MODY** (Newark, NJ, USA), **Tuckerman JONES**, **David AHN**, **Gnaneswar CHUNDI**, **Abhiram DAWAR**, **Scott TUCKER**, **Sheldon LIN**, **Michael AYNARDI**
- #48354 - EP139 A break-even cost-effectiveness analysis for venous thromboembolism prophylaxis in achilles tendon repair surgery. **Kush MODY** (Newark, NJ, USA), **Avani CHOPRA**, **Michael AYNARDI**, **Sheldon LIN**
- #48390 - EP142 Innovative use of porous titanium wedges in paediatric evans osteotomy: a preliminary study. **Marta GISPERT ESTADELLA** (Barcelona, Spain), **Carla CARBONELL ROSELL**, **Diego Bastian SOZA LEIVA**, **Albert GARGALLO MARGARIT**, **Daniel PACHA VICENTE**
- #48397 - EP143 Operative repair of achilles tendinopathy with haglund deformity in diabetes. **Nana AMPONSAH** (Center City, Philadelphia, USA), **Joydeep BAIDYA**, **Kush MODY**, **Omar SARHAN**, **Amy NGHE**, **Nathan ROSE**, **Tyler WEST**, **David PEDOWITZ**, **Joseph DANIEL**, **Selene PAREKH**
- #48400 - EP144 Impact of insurance type on treatment and outcomes in haglund deformity. **Nana AMPONSAH** (Center City, Philadelphia, USA), **Joydeep BAIDYA**, **Adam LENCER**, **Kush MODY**, **Amy NGHE**, **Omar SARHAN**, **Nathan ROSE**, **David PEDOWITZ**, **Joseph DANIEL**, **Selene PAREKH**
- #48402 - EP145 Functional outcomes and complications following total talus replacement. **Adam KOHRING** (Philadelphia, USA), **Adam LENCER**, **Joseph MCCAHOON**, **Nana AMPONSAH**, **Joydeep BAIDYA**, **David PEDOWITZ**, **Joseph DANIEL**, **Selene PAREKH**
- #48414 - EP147 The impact of non-tobacco nicotine dependence on postoperative outcomes following hindfoot arthrodesis. **Anish PONNA** (Philadelphia, USA), **Kush MODY**, **Abhinav BHAMIDIPATI**, **Joydeep BAIDYA**, **Nana AMPONSAH**, **Selene PAREKH**
- #48420 - EP148 Excision of the Juxta-articular Osteoid Osteoma from Sinus Tarsi by Fully Arthroscopic Technique. **Mikotaj WRÓBEL**, **Monika DOROCIŃSKA** (Warszawa, Poland), **Marta KUBISA**, **Katarzyna ZIELIŃSKA**
- #48440 - EP150 Pickleball and the return to sport after achilles tendon rupture. **Adam LENCER** (Philadelphia, USA), **Joseph MCCAHOON**, **Adam KOHRING**, **Nana AMPONSAH**, **David PEDOWITZ**, **Selene PAREKH**, **Joseph DANIEL**
- #48452 - EP151 Patient Demographics By Graft Utilization in Insertional Achilles Tendinitis Repair. **Joydeep BAIDYA** (Philadelphia, USA), **Nana AMPONSAH**, **Kush MODY**, **Amy NGHE**, **Nate ROSE**, **Tyler WEST**, **Omar SARHAN**, **David PEDOWITZ**, **Joseph DANIEL**, **Selene PAREKH**

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EPOSTER - INFECTION

- #47511 - EP115 EP152 Shift from 1th to 2nd generation of Cephalosporins as prophylactic antibiotics in orthopedic surgery and surgical site infections. **Alba SHEHU** (Zurich, Switzerland), **Michel Paul TEUBEN**, **Karina ISENMANN**, **Felix KLINGEBIEL**, **Christian HÜBNER**, **Yannik KALBAS**, **Roman PFEIFER**, **Hans-Christoph PAPE**
- #48117 - EP153 Result of open below knee amputation in surgical treatment of ischemic and/or infectious foot and ankle disease. **Kim KI CHUN**, **Ki-Hong KIM** (Seoul, Republic of Korea), **Sung Hun WON**, **Gi Won CHOI**
- #48361 - EP157 Aggressive surgical debridement & local use of antibiotic-loaded Cerament bone void filler in the management of calcaneal osteomyelitis to avoid below knee amputation: A case study. **Randhir FRANCIS**, **Megan GALT** (London, United Kingdom), **Stephen THOMAS**, **Carolyn HEMSLEY**, **Prashanth VAS**, **Fossett EMMA**, **Charlotte DESBRIERES**, **Vaishali DESAI**, **Amina CEESAY-JAITEH**, **Jerome LINKWINSTAR**
- #48445 - EP158 Management And Treatment Strategies For Distal Tibia And Ankle Infections: **Chiara COMISI**, **Antonio MASCI** (ROMA, Italy), **Tommaso GRECO**, **Giulio MACCAURO**, **Carlo PERISANO**

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EPOSTERS - RECONSTRUCTIVE

- #45825 - EP159 Cartilage Regeneration for Osteochondral Defects in the Ankle and Metatarso-Phalangeal Joints Using Autologous Matrix-Induced Chondrogenesis (AMIC): Mid-Term Functional and Radiological Outcomes. **Aysa RAJEEV**, **George KOSHY** (Gateshead, United Kingdom), **Fouad AZIZ**, **Andrew CLARK**, **Kailash DEVALIA**
- #48308 - EP160 Enhancing The Progressive Collapsing Foot Deformity (PCFD) Classification System Through The Establishment Of Defined Radiographic Cut-Off Threshold Values For The Different Deformity Classes. **Cesar DE CESAR NETTO** (Durham, NC, USA), **Rebekah BELAYANEH**, **Francois LINTZ**, **Donald ANDERSON**, **Nacime BARBACHAN MANSUR**, **Grayson TALASKI**, **Scott ELLIS**
- #48310 - EP161 Combined Interosseus Talocalcaneal and Spring Ligament Repair for Progressive Collapsing Foot Deformity (PCFD): A Cadaveric Study Assessing Alignment and Hindfoot Kinematics During Simulated Walking. **Cesar DE CESAR NETTO** (Durham, NC, USA), **Scott ELLIS**, **Ricardo VILLAR**, **Jeffrey HOFFMAN**, **Francois LINTZ**, **Wolfram GRUN**, **Jonathan DELAND**, **Brett STEINEMAN**
- #48313 - EP162 From Asymptomatic Flatfoot To Progressive Collapsing Foot Deformity: Peritalar Subluxation Is The Main Driver Of Symptoms. **Cesar DE CESAR NETTO** (Durham, NC, USA), **Nacime BARBACHAN MANSUR**, **Grayson TALASKI**, **Scott ELLIS**, **Francois LINTZ**, **Donald ANDERSON**
- #48335 - EP163 Revision of failed total ankle arthroplasty using a total talar prosthesis in a patient with talonavicular



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ankylosis: A case report. Arisa YOSHIDA (Tokyo, Japan), Katsunori IKARI, Kocihiro YANO, Ken OKAZAKI
 #48415 - EP165 The impact of non-tobacco nicotine dependence on postoperative outcomes following midfoot arthrodesis. Anish PONNA (Philadelphia, USA), Kush MODY, Micah KRANZEL, Joydeep BAIDYA, Nana AMPONSAH, Selene PAREKH
 #48446 - EP166 Multistage Revision with Custom-Made Megaprosthesis in a Case of Tibial Bone Tumor and Periprosthetic Joint Infection: A 4-Year Follow-Up. Chiara COMISI (ROMA, Italy), Virginia CINELLI, Tommaso GRECO, Giulio MACCAURO, Carlo PERISANO

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EPOSTERS - TRAUMA

#45665 - EP167 Risk factors for complications in ankle fracture surgery in a busy regional unit in Singapore. Yuet Peng KHOR (Singapore, Singapore), Wern Thing HOR, Yu LIU, Tun Oo HAN, Alynna CHUA
 #46116 - EP168 Anterior inferior Tibio fibular Ligament repair in equivalent quadrimalleolar ankle fractures. Avoiding syndesmotic fixation. Christian BASTIAS, Felipe PINO, Leonardo LAGOS, Hugo HENRIQUEZ, Rafael PONIACHIK (Santiago, Chile), Fernando VARGAS
 #46146 - EP169 Role of First Cuneometatarsal Ligaments and Lisfranc Ligament in First Cuneometatarsal Instability. A Cadaveric Study. Christian BASTIAS, Felipe PINO, Leonardo LAGOS, Hugo HENRIQUEZ, Miguel SOTO, Francisco QUINTEROS, Rafael PONIACHIK (Santiago, Chile)
 #46318 - EP170 Open reduction and internal fixation versus primary tibiotalar calcaneal hindfoot nailing for ankle fractures in elderly patients: A systematic review and meta-analysis. John McDONALD, Michael ORAVIC, William WARDELL, Wonyong LEE (Chicago, IL, USA, USA)
 #47509 - EP171 The Feasibility Of Navigation-Assisted Fracture Surgery For Foot Trauma: A Systematic Review. Alba SHEHU (Zurich, Switzerland), Kai JENSEN, Roman PFEIFER, Valentin NEUHAUS, Hans-Christoph PAPE, Jens HALM, Michel Paul TEUBEN
 #48071 - EP172 Functional outcomes and return to sports following surgical management of posterior malleolar fractures. An observational study of post operative outcomes. Spiliotis DELLIS, Lewis THOMAS LORCHAN (, United Kingdom), Tamer KAMAL, Tien YEOH, Sunil BAJAJ
 #48091 - EP173 Minimally invasive technique for calcaneal fractures - do we still need plates? Christian RODEMUND (Linz, Austria)
 #48242 - EP175 An alternative treatment approach to complex chronic Lisfranc injuries. Joana CONTENTE (Leiria, Portugal), Sofia CALDEIRA-DANTAS, Érica MARTO, João Diogo SILVA, Nuno MACHADO, Rafaela FARIA, Helka KOIVU, Antton PALOMÄKI
 #48264 - EP176 Fixing the ankle? Why not repair the deltoid? Abraham SIBY (Stevenage, United Kingdom), Parisah SEYED-SAFI, Karanjeet JOHAL, Rupinderbir SINGH DEOL, Simon MORDECAI, Lucky JEYASEELAN, Amit PATEL, Isabella DRUMMOND, Neil JONES
 #48283 - EP177 Clinical and radiographic results after arthroscopic procedure of chondral injury in intra-articular ankle fracture. Yeokgu HWANG (Seoul, Republic of Korea)
 #48285 - EP178 Intermediate outcome of surgical treatment using sinus tarsi approach with variable angle locking plate for calcaneal fracture involving intra articular lesion. Yeokgu HWANG (Seoul, Republic of Korea)
 #48292 - EP179 Three-Plane Alignment of the Second Metatarsal Improves Weightbearing CT Accuracy in Assessing Lisfranc Injuries. Wolfram GRÜN (Oslo, Norway), Pierre-Henri VERMOREL, Emily J. LUO, Daniel YANG, Enrico POZZESSERE, Grayson TALASKI, Francois LINTZ, Cesar DE CESAR NETTO
 #48295 - EP180 Allograft bone screw in a comminuted Hawkins III talar neck fracture: a case report. Konstanze Katharina HÜTTER (Graz, Austria), Patrick HOLWEG, Martin ORNIG, Viktor LABMAYR
 #48299 - EP181 Tibial malleolus malunion osteotomy with personalized guide. Sandra CATALAN AMIGO, Esther SÁNCHEZ MARAÑA (Barcelona, Spain)
 #48301 - EP182 Sagittal plane ankle function following surgical treatment of Myerson type B Lisfranc injuries: a controlled isokinetic and range of motion analysis. Mehmet DEMIREL (İSTANBUL, Turkey), Defne KAYA UTLU, Türker ŞAHINKAYA
 #48306 - EP183 Influence of Surgical Approach in Trimalleolar Ankle Fractures on Fibula Fracture Reduction, Complication and Revision Rates. Neil JONES (London, United Kingdom), Catherine MALIK, Isabella DRUMMOND, Amit PATEL, Lucky JEYASEELAN
 #48311 - EP184 Arthroscopically assisted tibio-talar-calcaneal fusion for ankle fractures in the geriatric population: a long-term outcome study. Paschalis PAPANIKOLAOU, Nerantzoula GOUTSIU (Naoussa, Greece), Menelaos PAPADAKIS, Alexandros SARAFIS, Savvas KANSIZOGLU, Ioannis VASIADIS, Alexandros ELEFTHEROPOULOS
 #48325 - EP185 Are Matched Controls a Reliable Reference for Lisfranc Injury Assessment? A Weight Bearing Computed Tomography Study on Anatomical Differences. Wolfram GRÜN (Oslo, Norway), Grayson TALASKI, Emily J. LUO, Aaron THERIEN, Enrico POZZESSERE, Pierre-Henri VERMOREL, Francois LINTZ, Cesar DE CESAR NETTO
 #48327 - EP186 Results and complications of Open Reduction and Internal Fixation (ORIF) surgery in traumatic navicular fractures. Aryaman TYAGI, Tina HA, Jane MADELEY, C. SENTHIL KUMAR (Glasgow, United Kingdom)
 #48352 - EP187 Arthroscopically Assisted Percutaneous Fixation of Talar Neck Fractures: A Minimally Invasive Technique with Preliminary Outcomes. Savvas KANSIZOGLU, Nerantzoula GOUTSIU (Naoussa, Greece), Paschalis PAPANIKOLAOU, Alexandros SARAFIS, Alexandros ELEFTHEROPOULOS
 #48356 - EP188 A break-even cost-effectiveness analysis for venous thromboembolism prophylaxis in ankle fracture surgery. Kush MODY (Newark, NJ, USA), Avani CHOPRA, Michael AYNARDI, Sheldon LIN
 #48377 - EP189 Subtle Lisfranc injury. Clinical and functional outcomes after closed reduction and internal fixation. Retrospective case series review. Monica SANCHEZ-SANTIUSTE, Pérez-Antoñanzas MARIA-SOLEDAD (Madrid, Spain), Juan-Carlos TENEZACA-MARCATOMA, Pablo SIERRA-MADRID
 #48434 - EP190 Effect of dual fixation method osteosynthesis in preventing loss of calcaneal height in comminuted calcaneal fractures. Vidya Sagar BANDIKALLA (Coimbatore, India)
 #48444 - EP191 Total dorsal midfoot dislocation at the cunei-navicular joint: a case report and literature review. Patrícia MARTINS (Matosinhos, Portugal), Ricardo VILA REAL, José MACHADO, Pedro MENDES SANTOS, José Miguel COSTA, Leonor FIGO ROCHA, António NETO, Daniel CASTRO, Luís CARVALHO
 #48448 - EP192 Surgical treatment of acute Achilles tendon rupture: a comparative analysis of techniques. Patrícia MARTINS (Matosinhos, Portugal), Leonor FIGO ROCHA, António NETO, Manuel FIGUEIREDO, Daniel CASTRO, Luís CARVALHO, Francisco SERDOURA
 #48479 - EP193 Does the management of acute Achilles tendon rupture in the United Kingdom adhere to evidence based guidelines? A national audit of UK orthopaedic departments. Vinay SHAH, Dilen PARMAR (London, United Kingdom), Krishna VEMULAPALLI

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EPOSTERS - OTHER

#46368 - EP194 Are Orthopaedic Foot and Ankle Surgeries Undercompensated? Assessment of Work Relative Value Units in Orthopaedic Foot and Ankle Procedures Compared to Other Orthopaedic Procedures. Patrick SUN, Miriyam GHALI, Wonyong LEE (Chicago, IL, USA, USA)



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- #48147 - EP195 Treatment Modalities and Rehabilitation Protocols for Congenital Brachydactyly. **Janak PARMAR** (United Kingdom, United Kingdom)
- #48219 - EP196 Comparing Patient Reported Outcomes and Complications Following Open versus Minimally Invasive Double and Triple Arthrodesis for Rigid Flatfoot Deformity: A Retrospective Analysis. **Paolo Ivan FIORE** (Lugano, Switzerland), **Sarah HALL KIRILUK**, **Alice MONTAGNA**, **Tyler GONZALEZ**, **Ettore VULCANO**
- #48249 - EP200 3D Guides And MIS: The Future For The Correction Of Major Foot Deformities. **Laia LOPEZ-CAPDEVILA** (Barcelona, Spain), **Manel FA**, **Sergio LOPEZ**, **Iglesias MARIA ANGELES**, **Andreu IAGO**, **Moustafa ABDEL**
- #48317 - EP201 Identifying risk factors for altered foot and ankle bone mineral density using Weight Bearing CT-derived Hounsfield Units. **Emily LUO** (Durham, NC, USA), **Francois LINTZ**, **Enrico POZZESSERE**, **Pierre-Henri VERMOREL**, **Wolfram GRUN**, **Aaron THERIEN**, **Cesar DE CESAR NETTO**
- #48320 - EP202 Accessory muscles of the foot and ankle. **Hrvoje KLOBUČAR** (Zagreb, Croatia), **Dora KLOBUČAR**
- #48348 - EP203 Osteoid Osteoma - A Seldom Differential Diagnosis For Pain Around the Foot and Ankle. **Anna HOHENSTEINER** (Vienna, Austria), **Philipp FUNOVICS**, **Klemens VERTESICH**, **Reinhard WINDHAGER**, **Madeleine WILLEGER**
- #48353 - EP204 Antiphospholipid syndrome in orthopedic foot and ankle surgery: a propensity-matched analysis. **Kush MODY** (Newark, NJ, USA), **Avani CHOPRA**, **Tyler STEWART**, **Michael AYNARDI**, **Sheldon LIN**
- #48421 - EP206 Leyomioma of the Foot and Ankle: Retrospective case series and literature review. **Alejandro DONCEL GARCIA** (Vigo (SPAIN), Spain), **Rafael OTERO PEREZ**
- #48437 - EP207 Plantar vein thrombosis: A Plantar Fasciitis diferencial diagnosis? **Sara NEVES** (Vila Real, Portugal), **André GUIMARÃES**, **Rui CHAVES**, **Rita SOUSA**
- #48439 - EP208 A Rare Case of Vohwinkel Syndrome: Prevention of Toe Autoamputation Through Early Diagnosis and Prompt Surgical Intervention. **Seyhmus KAVAK**, **Muhammed Yusuf AFACAN** (ISTANBUL, Turkey), **Yahya DENIZ**, **Burak OZTURK**, **Ali ŞEKER**