VENUE
Palau de Congressos
de Barcelona

7th International Congress of Foot & Ankle Minimally Invasive Surgery

November 20-22, 2025

Barcelona, Spain

MIFAS by Grecmip

MIFAS PRESIDENT
Javier Del Vecchio
(Spain)

CONGRESS
CO PRESIDENTS

Georg Hochheuser
(Germany)

Miki Dalmau-Pastor
(Spain)

SCIENTIFIC PROGRAM

MIFAS

by Grecmip

INDEX

Welcome address 04

Committees 05

Main Contact Details 05

General Information 06

Venue 10

Registration Fees 12

Patronage 13

List of speakers 14

Scientific Grid 15

Scientific Program

- Thursday 20th 18
- Friday 21st 22
- Saturday 22nd 26

Posters

- Foot percutaneous/MIS surgery 32
- Ankle Arthroscopy 42

Lunch Symposia 47

Our Sponsors 48

Exhibition Floor Map 49

WELCOME ADDRESS

Welcome to the 7th International Congress of Foot & Ankle Minimally Invasive Surgery 2025!

We are delighted to invite you to join us in the vibrant city of Barcelona from November 20th to 22nd 2025, for this prestigious event. This congress promises to be a remarkable gathering of leading experts, practitioners, and researchers in the field of minimally invasive surgery for the foot and ankle.

Over the course of the congress, you will have the opportunity to attend insightful presentations, participate in hands-on workshops, and engage in thought-provoking discussions. Our comprehensive program is designed to showcase the latest advancements, techniques, and research in minimally invasive foot and ankle surgery.

Barcelona, with its rich cultural heritage and modern amenities, provides the perfect backdrop for this congress. We encourage you to explore the city's stunning architecture, world-class cuisine, and vibrant atmosphere during your stay.

We look forward to welcoming you to an unforgettable experience at the 7th International Congress of Foot & Ankle Minimally Invasive Surgery 2025.

Best regards,

MIFAS PRESIDENT
Javier Del Vecchio

CONGRESS CO PRESIDENT
Georg Hochheuser

CONGRESS CO PRESIDENT
Miki Dalmau-Pastor

SCIENTIFIC COMMITTEE OF THE CONGRESS

MIFAS PRESIDENT
Javier Del Vecchio
(Spain)

Georg Hochheuser
(Germany)

Miki Dalmau-Pastor
(Spain)

Jordi Vega
(Spain)

Frederick Michels
(Belgium)

BOARD OF MEMBERS

Javier Del Vecchio (Spain)
PRESIDENT

Jordi Vega (Spain)
PAST PRESIDENT

Rebecca Cerrato (USA)
VICE-PRESIDENT

Samir Karrakchou (Morocco)
MEMBER AT LARGE

Frederick Michels (Belgium)
CHIEF OF THE EDUCATION COMMITTEE

Marc Elkaïm (France)
GENERAL SECRETARY

Julien Lucas y Hernández (France)
TREASURER

Miki Dalmau-Pastor (Spain)
OPERATIONAL LEADER

Josep Torrent (Spain)
CHIEF OF THE MEDIA COMMITTEE

Véronique Darcel (France)
MEMBER AT LARGE

Matteo Guelfi (Italy)
BOARD MEMBER

Paulo Carvalho (Portugal)
CONTINENT LEADER

MAIN CONTACT DETAILS

CONGRESS SECRETARIAT
TORRES PARDO SL
Napols 187 2nd floor
08013 Barcelona - Spain
www.torrespardo.com

CONTACT:
Desirée Muñoz
d.munoz@torrespardo.com
Georgina Gallardo
g.gallardo@torrespardo.com

GENERAL INFORMATION

WEBSITE
www.mifas2025.com
www.mifas.org

REGISTRATION & ABSTRACT SUBMISSION
REGISTRATION
Open: January 15th, 2025
Early Bird Registration Deadline: July 15th 2025

ABSTRACT SUBMISSION
Open: April 15th, 2025
Closes: June 1st 2025

CAR PARKING
Parking area available at the Congress venue.

WIRELESS INTERNET ACCESS
WiFi Internet access area will be available at the Congress.

SOCIAL EVENTS
(Not included in the registration fee)
Congress Dinner
Date: Saturday, November 22nd, 2025
Dress code: Smart casual

ACCOMMODATION DETAILS
Accommodation details will be available at the website and further announcements.

ECO-FRIENDLY
MIFAS is a sustainable and environmental friendly Congress encouraging the use of recyclable material.

SMOKING
MIFAS 2025 is a non smoking congress.

REGISTRATION DESK
Participants can pick up their personal Congress material at the registration desk, which will be open as follows
Wednesday, November 19th 16:00 - 19:00h
Thursday, November 20th 07:30h -18:00h
Friday, November 21st 07:30h - 18:00h
Saturday, November 22nd 07:30h - 18:00h

The Congress Secretariat will be available to assist you during the Congress.
Please do not hesitate to contact this office for help or advice.

GENERAL INFORMATION

ATTENDANCE
The Congress usually attracts between between 600 and 800 delegates from all over Europe and from all over the World.

LANGUAGE
The official language of the Congress is English.

NAME BADGES
Participants are obliged to wear the official Congress name badges on all Congress occasions.

EXHIBITION
Access to the exhibition is free for registered participants. The exhibition will be open from 20th to 22nd November 2025 during the congress hours.

LUNCH AND REFRESHMENTS
Lunches are not included in the participants' registration fee.
Coffee, tea will be available in the exhibition area during the breaks.

LIABILITY
By registering for the Congress and/or by participating in the exhibition joined to the Congress, participants and exhibitors agree that MIFAS, the Organizing Committee or the Congress Secretariat do not assume any responsibility for damage or injuries to persons or property during the Congress. Participants and exhibitors are advised to organize their own health, travel and personal insurances.

LETTER OF INVITATION
Upon request, the Chairman of the Local Organizing Committee will be pleased to send a personal letter of invitation so as to enable participants to obtain supporting funds or visas for attending the Congress. These invitation letters cannot be considered as an offer of financial support by the organizers.

CERTIFICATE OF ATTENDANCE
Participants will receive a certificate of attendance which will be sent by email.

CONFERENCE APP
MIFAS Barcelona 2025 is a Paperless Meeting
A conference App will be made available for participants containing all necessary information, featuring and replacing, among other items the complete conference program and abstract book.

The MIFAS Conference App will be accessible for download on Android and IOS devices (smartphones, tablets, iPhones and iPads).

Paperless

GENERAL INFORMATION

TRAVEL TO BARCELONA

By plane, car or train... even by boat! You can get to Barcelona by any means of transport. Here's some information about all the available options to help you decide which type of transport suits you best. On your arrival, if you want to get around without your luggage, Bags & Go will collect, store and deliver your luggage wherever you want. Forget about your luggage and enjoy the city with complete freedom.

Plane
Barcelona airport, with several terminals, is located 16 kilometres south of the city and is also known as Josep Tarradellas Barcelona-El Prat. Barcelona can also be reached by transport links from other regional airports, including Girona, Reus and Lleida-Alguaire.
See More

Train
The train is one of the most environmentally friendly means of transport. High-speed trains are a comfortable and convenient way of covering long distances and Barcelona operates a number of high-speed rail routes that connect the city with the rest of Spain and France. The city also has an extensive network of suburban and regional trains.
See More

Car
Barcelona is well connected and has a large amount of car parks. The motorway and road network will take you anywhere in the city by car although it's worth bearing in mind that traffic can be heavy at the main entry points of Barcelona during rush hour.
See More

Bus
The bus station in Barcelona that has the most national and international connections is Barcelona Nord Bus Station. Buses also depart from Barcelona Sants station and other areas of the city.
See More

Boat
Barcelona has become the Mediterranean's foremost cruise ship harbour. It has nine passenger terminals, seven for cruise liners and four for ferries. It has connections with the Balearic Islands and the main Mediterranean harbours.
See More

GENERAL INFORMATION

GETTING AROUND THE CITY

Mobility in Barcelona and its metropolitan area is effortless, thanks to the sustainable public transport network that makes getting around Barcelona a breeze. The best way to travel around Barcelona is by utilizing the efficient metro, trams, buses, and the Catalan government's city and suburban rail service (FGC), all prioritizing clean energy. Additionally, public transport in Barcelona includes a public bike hire scheme with over 200 km of bike lanes, ensuring an eco-friendly experience. How to get around Barcelona is further simplified by the fleet of taxis, featuring hybrid, electric, and natural gas vehicles. Environmentally friendly electric vehicles are also available for hire, ensuring you find the means of transport that best suits your needs.

Metro, FGC and Tram

Public transport such as the metro, tram and FGC are the quickest, simplest, most convenient and most sustainable way of getting around Barcelona. You can choose from the different ticket types and travel cards.
See More

Bus

A fleet of over 1,000 fully adapted buses serve all areas of Barcelona. The integrated fare system means that travel cards can be used on the metro, trams, FGC and Renfe trains (zone 1)
See More

Getting around by taxi

There are more than 10,000 taxis in the city which can be easily identified by their yellow and black livery. There are more than 300 bus stops in Barcelona and its metropolitan area providing convenient access to this service. A green light on the taxi roof indicates its availability.
See More

Park your car

Forget about your car and park it in one of our safe and convenient car parks. Public transport is the best, and most sustainable, way to get around Barcelona.
See More

Getting around on unique means of transport

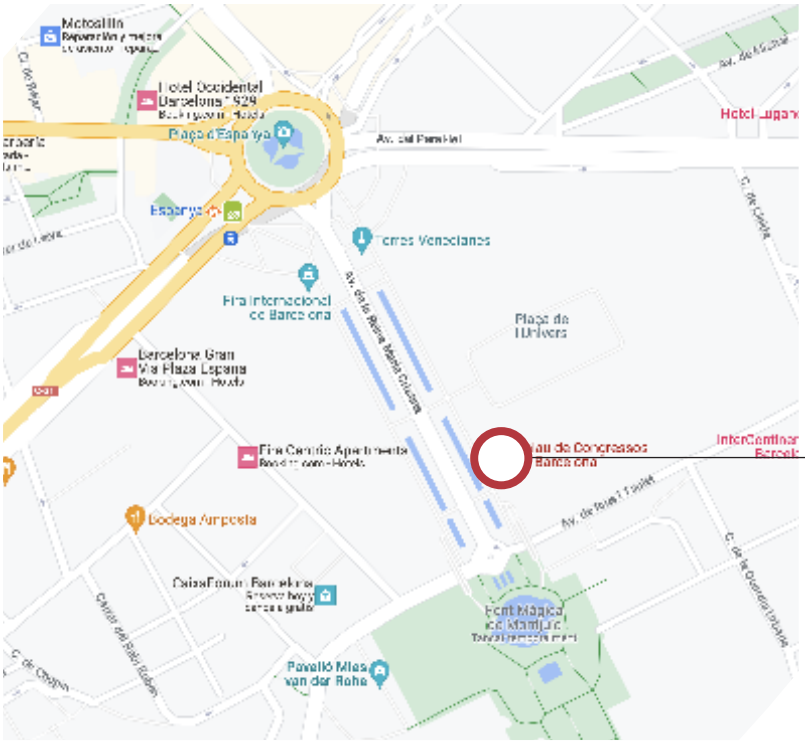
Barcelona has unique means of transport that will enable you to get around the city in a fun way on land, sea and in the air. You can discover the city on the Barcelona Bus Turístic, sail along the seafront on one of the Golondrinas pleasure boats, and ride up to the castle on the Montjuïc cable car.
See More

VENUE

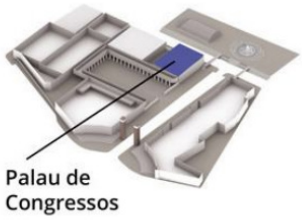
VENUE
Palau de Congressos de Barcelona
Av. de la Reina Maria Cristina, s/n,
08004 Barcelona
www.firabarcelona.com/en/montjuic/

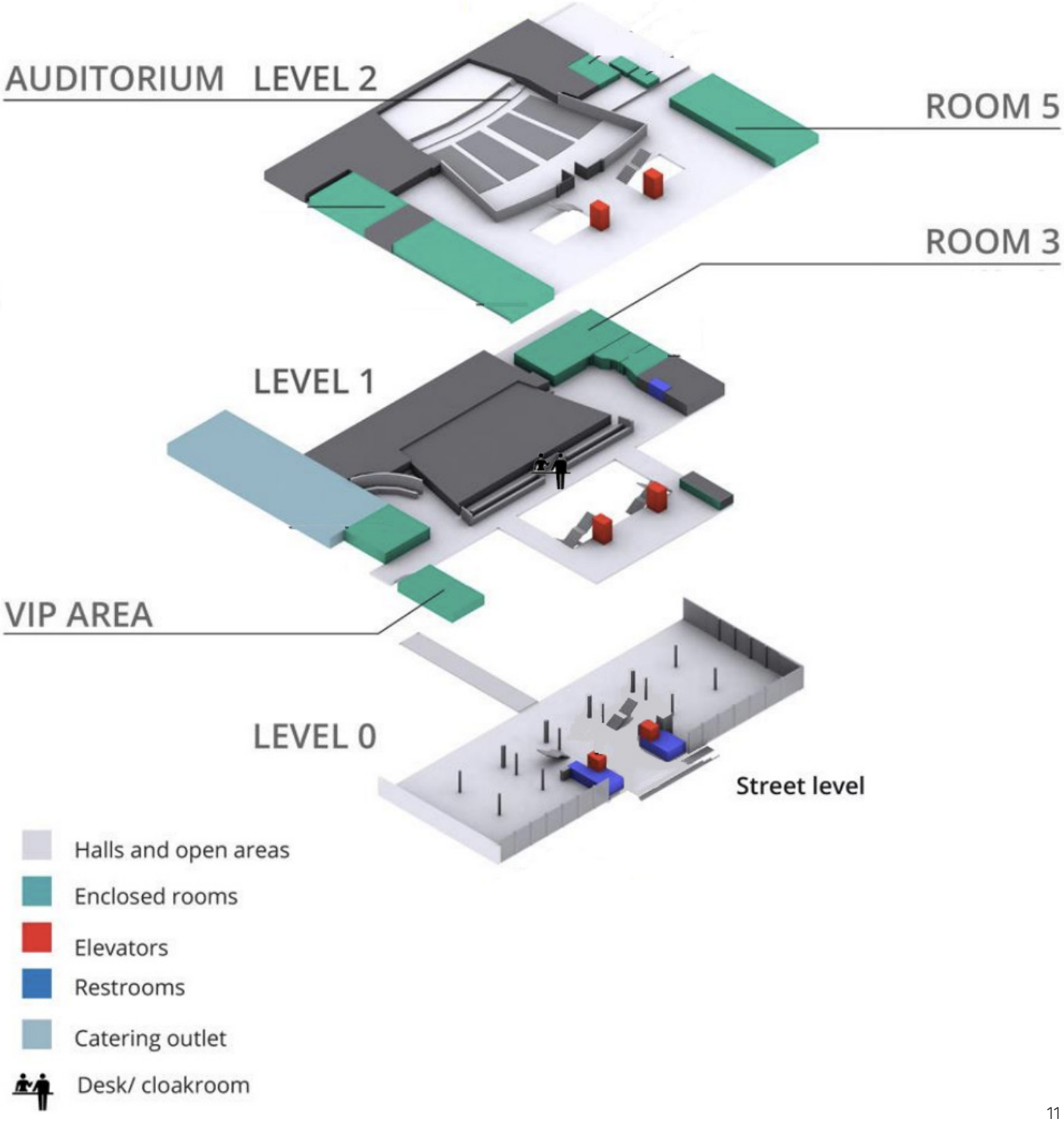
WEBSITE
www.mifas2025.com
www.mifas.org

Fira Barcelona



VENUE


Palau de
Congressos


AUDITORIUM LEVEL 2
ROOM 5
ROOM 3
LEVEL 1
VIP AREA
LEVEL 0
Street level
Halls and open areas
Enclosed rooms
Elevators
Restrooms
Catering outlet
Desk/ cloakroom

REGISTRATION FEES

	Early Bird Until July 15th	Regular rate Until September 1st	Late Fee Until November 1st	On Site From November 2nd
MIFAS Member	€ 550,00	€ 600,00	€ 650,00	€ 700,00
MIFAS non Member	€ 600,00	€ 700,00	€ 750,00	€ 800,00
Podiatrist/Podologist*	€ 450,00	€ 500,00	€ 550,00	€ 600,00
Resident*	€ 350,00	€ 400,00	€ 450,00	€ 500,00
Nurse*	€ 200,00	€ 250,00	€ 300,00	€ 350,00
Last year University of Barcelona students*	€ 100,00	€ 100,00	€ 100,00	Not available

(21% VAT included)

The Registration platform is open. Register here

REGISTRATION CANCELLATION POLICY

-All cancellation and changes to registrations must be sent to e-mail: c.rovira@torrespardo.com

The following registration CANCELLATION POLICIES apply:
Written notice of registration cancellation by September 10th, 2025: 50% refund of the paid registration fee (less EUR 25 administration fee).
No refund will be granted for registration cancelled after this date.
Reimbursements will be made after the conference.
All costs and bank charges applied for payments and reimbursements of registration fees must be supported by the participant.

TERMS OF PAYMENT
The following payment options are available via the online registration form:
Bank transfer- all relevant bank details are made available on the registration form.
Credit card - payment via secure online e-commerce gateway (VISA and Mastercard accepted).

PATRONAGE - ENDORSED BY

Association Française de Chirurgie du Pied
French Foot and Ankle Society

AFCP / FFAS
Association Française de Chirurgie du Pied

AMERICAN ORTHOPAEDIC FOOT & ANKLE SOCIETY®
Dynamic. Decisive. Dedicated.

AOFAS
American Orthopaedic Foot & Ankle Society

Under the Patronage of
ESSKA

ESSKA
European Society of Sports Traumatology, Knee Surgery & Arthroscopy

---

FLAMECIPP

FLAMECIPP
Federación Latinoamericana de Medicina y Cirugía de la Pierna y el Pie

---

GFFC-Patronat

GFFC
Gesellschaft für Fuß- und Sprunggelenkchirurgie e.V. / German Foot & Ankle Society

---

PFAS

PFAS
Polskie Towarzystwo Stopy i Stawu Skokowo-Goleniowego / Polish Foot & Ankle Society

---

Auspiciado por:
SOCIEDAD ARGENTINA DE MEDICINA Y CIRUGÍA DEL PIE Y PIERNA

SAMeCiPP
Sociedad Argentina de Medicina y Cirugía de Pie y de Pierna

SPPT
Sociedade Portuguesa do Pé e Tornozelo

SPEAKERS

Alan Yong Yan. USA
Alastair Younger. Canada
Ana Cristina King Martinez. Mexico
Andreas Toepfer. Switzerland
Andrew Choon Chiet Hong. Singapore
Anja Helmers. Germany
Barbara Piclet. France
Brant McCartan. USA
Carlo Biz. Italy
Cesar de Cesar Netto. USA
Chris Miller. USA
Cinthya Vargas. Spain
Eduard Rabat. Spain
Eva Llopis. Spain
Francesc Malagelada. UK
Frank Mattes. Germany
Frederick Michels. Belgium
Georg Hochheuser. Germany
Gerhard Kaufmann. Austria
Gino M.M.J. Kerkhoffs. The Netherlands
Gorka Knörr Gimenez. Spain
Guillaume Cordier. France
Gustavo Nunes. Brazil
Hazibullah Waizy. Germany
Henryk Liszka. Poland
Hermann Leidolf. Austria
Holly Johnson. USA
Javier Del Vecchio. Spain
João Vide. Portugal
Joël Vernois. France
Jordi Vega. Spain
Josep Torrent. Spain
Julien Lucas y Hernández. France
Kris Buedts. Belgium
Manfred Thomas. Germany
Marc Elkaïm. France
Mariano de Prado. Spain
Markus Walther. Germany
Matteo Guelfi. Italy
Mette Andersen. Norway
Miki Dalmau-Pastor. Spain
Mohamed Mokhtar Abd-Ella. Egypt
Nasef Mohamed N. Abdelatif. Egypt
Olivier Laffenêtre. France
Paulo Carvalho. Portugal
Peter Lam. Australia
Pieter D'Hooghe. United Kingdom
Pim Van Dijk. The Netherlands
Piotr Chomicki-Bindas. Poland
Rebecca Cerrato. USA
Robbie Ray. UK
Rodrigo Díaz Fernández. Spain
Roslyn Miller. UK
Sebastian Altenberger. Germany
Tim Schepers. The Netherlands
Thomas Lorchan Lewis. UK
Véronique Darcel. France
Victor Dubois-Ferriere. Switzerland

SCIENTIFIC GRID • Thursday 20th November

	HALL	AUDITORIUM	ROOM 5
07:00 - 08:00	Reception & Registration		
08:00 - 08:10		**Welcome**	
08:10 - 09:10		**RT1** How to start with MIS?	
09:10 - 10:00		**LS1 - Live Surgery** Surgery by pioneers	**RT5** Free Papers - Arthro
10:00 - 10:30	Coffee Break & Exhibition, Posters		
10:30 - 12:00		**RT2** MIS & severe hallux valgus	**RT6** Arthroscopy in the tibiotalar end-stage of arthrosis
12:00 - 12:30		**Keynote lectures** 1-2	
12:30 - 13:00			
13:00 - 14:30	Break & Exhibition, posters **W1** - Lunch Workshops Industry **W2** - Lunch Workshops Industry		
14:30 - 16:00		**IS - Invited Society** ESSKA-AFAS Biomechanical considerations in the management of syndesmosis injuries	
16:00 - 17:00		**RT3** MIS & midfoot osteoarthritis	**RT7** Arthroscopic augmentation techniques on ankle instability
17:00 - 17:30	Coffee Break & Exhibition, Posters		
17:30 - 18:30		**RT4** Complications in ankle arthroscopy and its management	**RT8** Free papers - MIS
18:30 - 18:45		**Opening Ceremony**	

SCIENTIFIC GRID • Friday 21st November

	HALL	AUDITORIUM	ROOM 5
08:00 - 08:30		**BATTLE** Arthroscopic repair or reconstruction For ankle instability in elite sports	
08:30 - 08:45			
08:45 - 10:00		**LS2 - Live Surgery** All-inside	**RT12** MIS in paediatric patients
10:00 - 10:30	Coffee Break & Exhibition, Posters		
10:30 - 12:00		**RT9** Arthro Management of secondary problems in unstable ankle. Treat or not to treat	**RT13** MIS: hot topics (diabetes and remaining topics)
12:00 - 12:30		**Keynote lectures 3-4**	
12:30 - 13:00			
13:00 - 13:15		MIFAS PhD Program: Recognition to our new PhD Graduates!	
13:15 - 14:30	Break & Exhibition, posters **W1** - Lunch Workshops Industry **W2** - Lunch Workshops Industry		
14:30 - 16:00		**IS - Invited Society** EFAS: Cavovarus	
16:00 - 17:00		**RT10** Arthro The deltoid in the sprained ankle	**RT14** Free papers - MIS
17:00 - 17:30	Coffee Break & Exhibition, Posters		
17:30 - 18:30		**RT11** MIS & flatfoot	**RT15** Free Papers - MIS

SCIENTIFIC GRID • SATURDAY 22nd November

	HALL	AUDITORIUM	ROOM 5
08:00 - 08:30h		**BATTLE** PEiCO vs MICA vs scarf	
08:30 - 08:45h			**RT19** (09:00-10:30) Arthro Achilles insertional tendinopathy management in young and active patients
08:45 - 10:30h		**LS3 - Live Surgery** MIS in Hallux Valgus	
10:30 - 11:00h	Coffee Break & Exhibition, Posters		
11:00 - 11:30h		**RT16** MIS & arthroscopy in fractures	
11:30 - 12:30h			**RT20** Free Papers - MIS
12:30 - 12:50h		**Keynote lectures 5-6**	
12:50 - 13:30h			
13:30 - 14:45h	Break & Exhibition, posters **W1** - Lunch Workshops Industry **W2** - Lunch Workshops Industry		
14:45- 15:45h		**RT17** MIS & hallux rigidus	**RT21** Free Papers - MIS
15:45 - 16:45h		**RT18** Arthroscopic ankle instability management in bony immature -paedriatic- patients	**RT22** Free Papers - MIS
16:45 - 17:00h		**Closing Ceremony**	
17:00 - 18:00h		**General Assembly**	

Thursday 20th November Auditorium

Hall
07:30-08:00
Reception & Registration

08:00-08:10
WELCOME
Javier Del Vecchio. Spain
Georg Hochheuser. Germany
Miki Dalmau-Pastor. Spain

08:10-09:10
HOW TO START WITH MIS?
Moderators: Frederick Michels. Belgium
Javier Del Vecchio. Spain

08:10-08:15
How to start? Introduction (The MIFAS)
Frederick Michels. Belgium
08:15-08:25
How to use anatomical knowledge?
Miki Dalmau-Pastor. Spain
08:25-08:35
How to use the tools?
Piotr Chomicki-Bindas. Poland
08:35-08:45
Which techniques?
Javier Del Vecchio. Spain
08:45-08:55
How to improve postoperative care in MIS?
Frederick Michels. Belgium
08:55-09:05
How to avoid complications in MIS?
Véronique Darcel. France
09:05-09:10
Discussion

09:10-10:00
LIVE SURGERY - SURGERY BY PIONEERS
Moderators: Rebecca Cerrato. United States
Paulo Carvalho. Portugal

09:10-09:25
Lesser toes
Barbara Piclet. France
09:25-09:40
Metatarsal osteotomies
Mariano de Prado. Spain
09:40-09:55
Bunionette
Olivier Laffenêtre. France
09:55-10:00
Discussion

Hall
10:00-10:30
Coffee break & Exhibition, Posters

10:30-12:00
MIS & SEVERE HALLUX VALGUS
Moderators: Peter Lam. Australia
Georg Hochheuser. Germany

10:30-10:45
MICA
Peter Lam. Australia
10:45-11:00
Scarf with screws
Eduard Rabat. Spain
11:00-11:15
Scarf without screws
Marc Elkaïm. France
11:15-11:30
Chevron
Gerhard Kaufmann. Austria
11:30-11:45
Lapidus
Christopher Miller. United States
11:45-12:00
Discussion

12:00-13:00
KEYNOTE LECTURES
Moderators: Jordi Vega. Spain
Joël Vernois. France

12:00-12:30
MIS from an MIS surgeon's perspective
Cesar de Cesar Netto. United States

Thursday 20th November Auditorium

12:30-13:00
Current role of arthroscopic ligamentplasty
Guillaume Cordier. France

Hall
13:00-14:30
Break & Exhibition, Posters

14:30-16:00
INVITED SOCIETY - ESSKA-AFAS: BIOMECHANICAL CONSIDERATIONS IN THE MANAGEMENT OF SYNDESMOSIS INJURIES
Moderator: Mette Andersen. Norway

14:30-14:50
Anatomy and biomechanics
Miki Dalmau-Pastor. Spain
14:50-15:10
What can we learn from the injury mechanism?
Pieter D'Hooghe. United Kingdom
15:10-15:30
Combined ankle ligament injuries – do we address them all?
Cesar de Cesar Netto. United States
15:30-15:50
My strategy for surgical intervention in ligamentous syndesmosis injuries
Guillaume Cordier. France
15:50-16:00
Discussion

16:00-17:00
MIS & MIDFOOT OSTEOARTHRITIS
Moderators: *Alastair Younger. Canada*
Sebastian Altenberger. Germany

16:00-16:15
MIS fusion
Alastair Younger. Canada
16:15-16:30
Neurectomy deep peroneal nerve
Alan Yong Yan. United States
16:30-16:45
Proximal metatarsal joint resection
Sebastian Altenberger. Germany
16:45-17:00
Discussion

Hall
17:00-17:30
Coffee break & Exhibition, Posters

17:30-18:30
COMPLICATIONS IN ANKLE ARTHROSCOPY AND THEIR MANAGEMENT
Moderators: *Mette Andersen. Norway*
Pieter D'Hooghe. United Kingdom

17:30-17:40
The superficial peroneal nerve
Gustavo Nunes. Brazil
17:40-17:50
Ankle stiffness
Gustavo Nunes. Brazil
17:50-18:00
Complications related to all inside ligament repair
Rodrigo Díaz Fernández. Spain
18:00-18:10
Complications related to arthroscopic ligamentplasty
Guillaume Cordier. France
18:10-18:20
Complications related to endoscopic FHL tendon transfer
Matteo Guelfi. Italy
18:20-18:30
Discussion

18:30-18:45
Opening Ceremony

Thursday 20th November Room 5

09:00-10:00
FREE PAPERS - ARTHRO
Moderators: Jordi Vega. Spain
Victor Dubois-Ferriere. Switzerland

09:00-09:05
Clinical outcomes and safety of arthroscopic all-inside ligament repair for chronic ankle instability in skeletally immature patients
Matteo Guelfi. Italy
09:05-09:10
Paving new pathways in ankle arthroscopy: utilization of a lateral portal for patients undergoing multiple procedures
Edward Haupt. United States
09:10-09:15
10-year prospective follow-up of patients treated with the all-inside arthroscopic lateral collateral ankle ligament repair
Martin Nicolas Muñoz Quevedo. Spain
09:15-09:20
Tendoscopy assisted flexor digitorum longus transfer and spring ligament synthetic suture tape reconstruction for flexible progressing collapsing foot deformity
Donatas Chlebinskas. United Kingdom
09:20-09:25
Arthroscopic MTP joint debridement and sesamoid denervation for recalcitrant sesamoiditis: a minimally invasive alternative to sesamoidectomy
Alberto Cuellar Avaroma. Mexico
09:25-09:30
Improvement in clinical outcomes following arthroscopic all-inside medial lateral ligament reconstruction for rotational ankle instability
Thomas Lewis. United Kingdom
09:30-09:35
Outcome scores after arthroscopic ankle fusion reach a steady state after one year, but revisions occur later - prospective analysis
Alastair Younger. Canada
09:35-09:40
Open versus arthroscopic ankle fusion: a long term prospective comparative multicenter study
Alastair Younger. Canada
09:40-09:45
Regularity of postural control in young adults with lateral ankle instability: comparison with healthy individuals and effects of a rehabilitation
Gustavo Nunes. Brazil
09:45-09:50
Autologous collagen-induced chondrogenesis (ACIC) for the treatment of osteochondral lesions of the talus: clinical outcomes at one year follow up
Pierre-Henri Vermorel. France
09:50-10:00
Discussion

10:30-11:50
ARTHROSCOPY IN THE TIBIOTALAR END-STAGE OF ARTHROSIS
Moderators: *Andrew Hoon Chiet Hong. Singapore*
Josep Torrent. Spain

10:30-10:50
Arthroscopic debridement
Andrew Choon Chiet Hong. Singapore
10:50-11:10
Anterior ankle fusion
Rodrigo Díaz Fernández. Spain
11:10-11:30
Hindfoot endoscopy for ankle fusion
Josep Torrent. Spain
11:30-11:50
Discussion

16:00-17:00
ARTHROSCOPIC AUGMENTATION TECHNIQUES ON ANKLE INSTABILITY
Moderators: Matteo Guelfi. Italy
Francesc Malagelada. United Kingdom

Thursday 20th November Room 5

16:00-16:12
Gould
Guillaume Cordier. France
16:12-16:24
Internal brace
Rodrigo Díaz Fernández. Spain
16:24-16:36
ATiFL
Jordi Vega. Spain
16:36-16:48
Deltoid augmentation
Jordi Vega. Spain
16:48-17:00
Discussion

17:30-18:30
FREE PAPERS - MIS
Moderators: Olivier Laffenêtre. France
Thomas Lorchan Lewis. United Kingdom

17:30-17:35
A cadaver biomechanical comparison of the plate construct for open lapidus fusion vs. percutaneous screw lapidus fusion with subchondral fixation
Alastair Younger. Canada
17:35-17:40
Incidence and functional impact of floating toe after distal metatarsal minimal invasive osteotomy vs open modified weil osteotomy
Rubén David Radkievich. Chile
17:40-17:45
Percutaneous portals for minimally invasive arthrodesis of the first tarsometatarsal (TMT) joint: a cadaveric study
Alastair Younger. Canada
17:45-17:50
Sequential testing of passive and active stability of TMT1 assists in differentiating hypermobility for preoperative assessment of hallux valgus deformity
Andreas Toepfer. Switzerland
17:50-17:55
Characterizing first tarsometatarsal joint instability after third-generation minimally invasive bunionectomy: a coverage mapping assessment
Joaquín M. Palma. United States
17:55-18:00
Association of tarsometarsal joint slippage following minimally invasive bunionectomy with removal of hardware
Holly Johnson. United States
18:00-18:05
Risk factors for first tarsometatarsal joint slippage after third-generation minimally invasive bunionectomy: a weight-bearing CT scan assessment
Joaquín M. Palma. United States
18:05-18:10
Hammer toe: a new percutaneous technique using intramedullary cannulated screw and proximal phalanx osteotomy – clinical and functional outcomes
Maria Belen Spinelli. Argentina
18:10-18:15
Can we perform DMMO osteotomies safely without fluoroscopy?
Josep Torrent. Spain
18:15-18:20
Medium-term clinical and radiographic outcomes of minimally invasive distal metatarsal metaphyseal osteotomy (DMMO) for metatarsalgia
Rubén David Radkievich. Chile
18:20-18:30
Discussion

Friday 21st November Auditorium

08:00-08:45
BATTLE - ARTHROSCOPIC REPAIR OR RECONSTRUCTION FOR ANKLE INSTABILITY IN ELITE SPORTS
Moderators: Gino M.M.J. Kerkhoffs. The Netherlands
Nasef Mohamed N. Abdelatif. Egypt

08:00-08:12
Repair
Jordi Vega. Spain
08:12-08:24
Reconstruction
Guillaume Cordier. Spain
08:24-08:45
Discussion

08:45-10:00
LIVE SURGERY - ALL-INSIDE
Moderators: Holly Johnson. United States
Andrew Choon Chiet Hong. Singapore

08:45-10:00
All-inside
Jordi Vega. Spain

Hall
10:00-10:30
Coffee break & Exhibition, Posters

10:30-12:00
ARTHRO - MANAGEMENT OF SECONDARY PROBLEMS IN UNSTABLE ANKLE. TREAT OR NOT TO TREAT
Moderators: Guillaume Cordier. France
Hazibullah Waizy. Germany

10:30-10:42
Posterior ankle impingement
Nasef Mohamed N. Abdelatif. Egypt
10:42-10:54
FHL entrapment (functional hallux limitus)
Victor Dubois-Ferriere. Switzerland
10:54-11:06
Anterior ankle impingement
Andrew Choon Chiet Hong. Singapore
11:06-11:18
Pain around the Bassett ligament
Holly Johnson. United States
11:18-11:30
Talar osteochondral lesion
Gino M.M.J. Kerkhoffs. The Netherlands
11:30-11:42
Peroneal tendons pain
Pim Van Dijk. The Netherlands

11:42-12:00
Discussion

12:00-13:00
KEYNOTE LECTURES
Moderators: Guillaume Cordier. France
Mette Andersen. Norway

12:00-12:30
Nanoscope
Gino M.M.J. Kerkhoffs.The Netherlands
12:30-13:00
Arthro - Imaging in ankle ligament injuries
Eva Llopis. Spain

13:00-13:15
MIFAS PhD PROGRAM:
RECOGNITION TO OUR NEW PHD GRADUATES!
Miki Dalmau-Pastor. Spain

Hall
13:15-14:30
Break & Exhibition, Posters

14:30-16:00
INVITED SOCIETY - EFAS: CAVOVARUS

14:30-14:50
Cavovarus: Definition, Diagnose, Differentialdiagnosis and Treatmentoptions
Kris Buedts. Belgium
14:50-15:05
Charcot Marie Tooth disease: Diagnose, Treatmentoptions-Literature
Manfred Thomas. Germany
15:05-15:20
Soft tissue procedures: Tendon transfers and soft tissue release: when and how to do it
Henryk Liszka. Poland
15:20-15:35
Bony procedures: Calcaneus Osteotomy and Cole osteotomy: Technique: Open- close, Tips and Tricks-Results
Markus Walther. Germany
15:35-15:50
Bony procedures: When and How to fuse? My approach
Mohamed Mokhtar Abd-Ella. Egypt
15:50-16:00
Discussion

Friday 21st November Auditorium

16:00-17:00
ARTHRO - THE DELTOID IN THE SPRAINED ANKLE
Moderators: João Vide. Portugal
Cesar de Cesar Netto. USA

16:00-16:10
Current anatomy of the deltoid for arthroscopists
Miki Dalmau-Pastor. Spain

16:10-16:20
Imaging study of injured deltoid
Eva Llopis. Spain

16:20-16:30
Arthroscopic management of the deltoid in the fractures
João Vide. Portugal

16:30-16:40
Pre-collicular deep deltoid injury (rotational ankle instability)
Matteo Guelfi. Italy

16:40-16:50
Collicular deep deltoid injury (dynamic medial ankle instability)
Jordi Vega. Spain

16:50-17:00
Discussion

Hall
17:00-17:30
Coffee break & Exhibition, Posters

17:30-18:30
MIS & FLATFOOT
Moderators: Andreas Toepfer. Switzerland
Robbie Ray. United Kingdom

17:30-17:45
Endoscopic FDL transfer
Marc Elkaïm. France

17:45-18:00
Hindfoot osteotomy
Andreas Toepfer. Switzerland

18:00-18:15
Arthroereisis
Robbie Ray. United Kingdom

18:15-18:30
Discussion

Friday 21st November Room 5

09:00-10:00
MIS IN PAEDIATRIC PATIENTS
Moderators: Anja Helmers. Germany
Marc Elkaïm. France

09:30-09:42
Complete cavus foot correction in MIS Technique
Frank Mattes. Germany
09:42-09:54
Hallux valgus correction in childhood without fixation
Marc Elkaïm. France
09:54-10:06
Arthroscopic resection of tarsal coalitions in children
Gorka Knörr Gimenez. Spain
10:06-10:18
MIS lesser toes correction in children
Anja Helmers. Germany
10:18-10:30
Discussion

10:30-12:00
MIS: HOT TOPICS (DIABETES AND REMAINING TOPICS)
Moderators: Frank Mattes. Germany
Roslyn Miller. United Kingdom

10:30-10:42
Diabetes overview
Frank Mattes. Germany
10:42-10:54
Metatarsal osteotomies
Carlo Biz. Italy
10:54-11:06
Midfoot Charcot: bony resection
Ana Cristina King Martinez. Mexico
11:06-11:18
Midfoot Charcot: reconstruction
Roslyn Miller. United Kingdom
11:18-11:30
What I learned from the first TMTJ instability with MIS
Gustavo Nunes. Brazil
11:30-11:42
MIS: Navigating around existing hardware in revision surgeries
Brant McCartan. United States
11:42-12:00
Discussion

16:00-17:00
FREE PAPERS - MIS
Moderators: Gustavo Nunes. Brazil
Carlo Biz. Italy

16:00-16:05
Three-dimensional evaluation of DMAA in hallux valgus using weight-bearing CT
Alberto Bailez. Spain
16:05-16:10
Open vs. percutaneous moberg osteotomy for hallux rigidus: a comparative study of surgical approaches with minimum 2 years follow up
Alice Montagna. Italy
16:10-16:15
Bone graft augmentation in fourth generation percutaneous hallux valgus surgery
Thomas Lewis. United Kingdom
16:15-16:20
Akin's osteotomy: prospective randomized controlled study on the value of fixation
Julien Lucas y Hernández. France
16:20-16:25
How to improve the results and avoid complications in the treatment of idiopathic brachymetatarsia by distraction osteogenesis
Piotr Chomicki-Bindas. Poland
16:25-16:30
Allograft affect on union rates in MIS hallux valgus surgery
Cary B Chapman. United States
16:30-16:35
Complete versus incomplete percutaneous distal closing wedge osteotomy for bunionette (tailor's bunion) deformity correction: a comparative study
Thomas Lewis. United Kingdom

Friday 21st November Room 5

16:35-16:40
Mayo block versus ankle block for postoperative analgesia in percutaneous hallux valgus correction surgery: a retrospective comparative study
Miguel Viana Pereira Filho. Brazil
16:40-16:45
Single-shot liposomal bupivacaine versus continuous catheter-based analgesia for postoperative pain management in foot surgery: a retrospective analysis
Paolo Ivan Fiore. Switzerland
16:45-16:50
Percutaneous NC fusion for flatfoot correction or arthritis: description of technique and early patient outcomes
Alastair Younger. Canada
16:50-17:00
Discussion

17:30-18:30
FREE PAPERS - MIS
Moderators: Véronique Darcel. France
Gerhard Kauffman. Austria

17:30-17:35
A comparison of spatiotemporal gait analysis in open haglund's resection vs. percutaneous zadek osteotomy for insertional achilles tendinopathy
Preston Harrison. United States
17:35-17:40
A comparison of push-off and gait strength following open haglund's resection vs. percutaneous zadek osteotomy for insertional achilles tendinopathy
Preston Harrison. United States
17:40-17:45
Percutaneous closing wedge calcaneal zadek osteotomy for insertional achilles tendinopathy with and without pes cavus: a comparative multi-centre study
Thomas Lewis. United Kingdom
17:45-17:50
The calcaneal X/Y ratio: true morphology or an x-ray illusion? a comparison of x-ray and CT
Togay Koc. United Kingdom
17:50-17:55
Minimally invasive fixation and augmentation with circular frame for unstable ankle fractures in complicated diabetic patients
Gonzalo Bastias. Chile
17:55-18:00
Differences in metatarsal rotation between hallux valgus patients with and without metatarsus adductus
Holly Johnson. United States
18:00-18:05
Clinical diagnostic study of syndesmotic instability using 3D weight-bearing CT distance mapping algorithm
Enrico Pozzessere. United States
18:05-18:10
Patient reported outcome measures and complication rates after minimally invasive vs. open calcaneal osteotomy
Preston Harrison. United States
18:10-18:15
MIS zadek osteotomy and sural nerve safety: a cadaveric anatomical study
Paolo Ivan Fiore. Switzerland
18:15-18:20
Patient reported outcomes and complications following open vs mis double and triple arthrodesis for rigid flatfoot deformity: a retrospective analysis
Paolo Ivan Fiore. Switzerland
18:20-18:30
Discussion

Saturday 22nd November Auditorium

08:00-08:45
BATTLE - PEiCO VS. MICA VS. SCARF
Moderators: Thomas Lorchan Lewis. United Kingdom
Andreas Toepfer. Switzerland

08:00-08:10
MICA
Peter Lam. Australia
08:10-08:20
Scarf with screws
Eduard Rabat. Spain
08:20-08:30
PEiCO
Javier Del Vecchio. Spain
08:30-08:45
Discussion

08:45-10:30
LIVE SURGERY - MIS IN HALLUX VALGUS
Moderators: Peter Lam. Australia
Javier Del Vecchio. Spain

08:45-09:30
MICA
Joël Vernois. France
Robbie Ray. United Kingdom
09:30-10:15
Scarf with screws
Josep Torrent. Spain
Eduard Rabat. Spain
10:15-10:30
Discussion

Hall
10:30-11:00
Coffee break & Exhibition, Posters

11:00-12:30
MIS & ARTHROSCOPY IN FRACTURES
Moderators: Francesc Malagelada. United Kingdom
Frederick Michels. Belgium

11:00-11:15
Why MIS in fractures?
Frederick Michels. Belgium
11:15-11:30
Talar fractures or other topic
Alastair Younger. Canada
11:30-11:45
5th metatarsal
Mariano De Prado. Spain
11:45-12:00
Arthroscopic management of bony fragments
Francesc Malagelada. United Kingdom
12:00-12:15
Arthroscopic management of ligament ruptures in fractures
Sebastian Altenberger. Germany
12:15-12:30
Discussion

12:30-13:30
KEYNOTE LECTURES
Moderators: Frederick Michels. Belgium
Javier Del Vecchio. Spain

12:30-13:00
MIS & calcaneal fractures
Tim Schepers. The Netherlands
13:00-13:30
MIS: Experience and evolution on MIS metatarsal osteotomies
Mariano De Prado. Spain

Hall
13:30-14:45
Break & Exhibition, Posters

14:45-15:45
MIS & HALLUX RIGIDUS
Moderators: Nasef Mohamed N. Abdelatif. Egypt
Rebecca Cerrato. United States

14:45-14:55
Cheilectomy endoscopic
Nasef Mohamed N. Abdelatif. Egypt
14:55-15:05
Extracapsular osteotomy
Paulo Carvalho. Portugal

Saturday 22nd November Auditorium

15:05-15:15
Intracapsular osteotomy
Javier Del Vecchio. Spain
15:15-15:25
Fusion
Rebecca Cerrato. United States
15:25-15:35
Stem cell treatment: two year follow up
Hermann Leidolf. Germany
15:35-15:45
Discussion

15:45-16:45
ARTHROSCOPIC ANKLE INSTABILITY MANAGEMENT IN BONY IMMATURE -PAEDIATRIC- PATIENTS
Moderators: *Matteo Guelfi. Italy*
Gorka Knörr Gimenez. Spain

15:45-15:57
What we need to know in ankle instability in kids
Gorka Knörr Gimenez. Spain
15:57-16:09
Surgical indications
João Vide. Portugal

16:09-16:21
Arthroscopic treatment. Where to place anchors to avoid physis damage
Matteo Guelfi. Italy
16:21-16:45
Discussion

16:45-17:00
CLOSING CEREMONY

17:00-18:00
GENERAL ASSEMBLY

Saturday 22nd November Room 5

09:00-10:30
ARHTRO - ACHILLES INSERTIONAL TENDINOPATHY MANAGEMENT IN YOUNG AND ACTIVE PATIENTS
Moderators: Hazibullah Waizy. Germany
Piotr Chomicki-Bindas. Poland

09:00-09:13
Any role of conservative management? (biological therapy) - Isolated Haglund resection
Sebastian Altenberger. Germany
09:13-09:26
Achilles tendon augmentation
João Vide. Portugal
09:26-09:39
Detach and reattach the achilles tendon
Guillaume Cordier. France
09:39-09:52
Transfer FHL tendon
Nasef Mohamed N. Abdelatif. Egypt
09:52-10:05
Percutaneous zadek
Julien Lucas y Hernández. France
10:05-10:18
Case discussion
Cinthya Vargas. Spain
10:18-10:30
Discussion

11:00-12:00
FREE PAPERS - MIS
Moderators: Paulo Carvalho. Portugal
Piotr Chomicki-Bindas. Poland

11:00-11:05
Cephalic translation, angular correction, and forefoot morphology in hallux valgus surgery: a comparative analysis of open and minimally invasive techniques
Joana Canhoto. Portugal
11:05-11:10
Effect of third-generation minimally invasive bunionectomy on first-ray pronation: a weight-bearing CT scan assessment
Joaquín M. Palma. United States
11:10-11:15
Comparison between single- or dual-screw fixation for chevron osteotomy in MICA procedure
Jan Zajc. Slovenia
11:15-11:20
Fourth Generation MIS Technique For Hallux Valgus: Short Term Results Using Tri-Cortical Screws
Emilio Wagner. Chile
11:20-11:25
Radiographic evaluation of time to union in minimally invasive hallux valgus correction
Cary B Chapman. United States
11:25-11:30
Minimally invasive hallux valgus surgery: comparing patient outcomes between consultant-led and supervised trainee procedures
Thomas Lewis. United Kingdom
11:30-11:35
The management of non-union following minimally invasive bunion surgery
Gil Genuth. Israel
11:35-11:40
Return to daily and sports activities following minimally invasive surgery for hallux valgus: setting realistic expectations
Gonzalo Bastias. Chile
11:40-11:45
Accuracy of percutaneous lateral release for hallux valgus: an anatomic study
Patrick J Maloney. United States
11:45-11:50
Case series of osteochondral lesions of the tibia plafond treated with retrograde drilling under real time navigation guidance
Virginia Maria Cafruni. Argentina
11:50-12:00
Discussion

Saturday 22nd November Room 5

14:45-15:45
FREE PAPERS - MIS
Moderators: Georg Hochheuser. Germany
Josep Torrent. Spain

14:45-14:50
Impact of tourniquet on internal temperature of the first metatarsal during minimally invasive chevron akin hallux valgus correction
Rebecca Cerrato. United States
14:50-14:55
Minimally invasive chevron akin (MICA) osteotomy corrects radiographic parameters but not central metatarsal loading in moderate to severe hallux valgus
Yan-Yu Chen. Taiwan
14:55-15:00
Percutaneous chevron and akin osteotomies (PECA) technique for recurrent hallux valgus: a matched case-control study
Gabriel Ferraz Ferreira. Brazil
15:00-15:05
Transverse vs. chevron osteotomy for minimally invasive surgery in severe hallux valgus deformity
Thomas Lewis. United Kingdom
15:05-15:10
Comparative radiographic outcomes of MICA, classic scarf, and maestro scarf for hallux valgus correction
Alberto Bailez. Spain
15:10-15:15
First metatarsal pronation correction after fourth-generation percutaneous transverse osteotomy for hallux valgus
Thomas Lewis. United Kingdom
15:15-15:20
Surgical treatment of hallux rigidus with percutaneous watermann-moberg technique
Luiz Carlos Ribeiro Lara. Brazil
15:20-15:25
Time to callus formation: a comparison between minimally invasive chevron and akin's (MICA) versus intramedullary osteotomy plate fixation (IOPF)
Bryan Hon. Singapore
15:25-15:30
How far can we push MICA? defining a radiographic threshold using the intermetatarsal ratio
Miguel Viana Pereira Filho. Brazil
15:30-15:35
Outcomes and complications of the META technique for hallux valgus with and without the use of a correction jig
Gonzalo Bastias. Chile
15:35-15:45
Discussion

15:45-16:45
FREE PAPERS - MIS
Moderators: Robbie Ray. United Kingdom
Julien Lucas y Hernández. France

15:45-15:50
Radiographic evaluation of MICA vs. META in hallux valgus surgery: proximal intermetatarsal angle and metatarsal head displacement
Ana Cecilia Parise. Argentina
15:50-15:55
Comparison of functional and radiological outcomes between unilateral and bilateral minimally invasive surgery for hallux valgus
Ana Cecilia Parise. Argentina
15:55-16:00
Early surgical complication rates following percutaneous hallux valgus correction in diabetic patients: a matched cohort analysis
Virginia Maria Cafruni. Argentina
16:00-16:05
The role of the metatarsalsesamoidal joint in the outcome of hallux valgus surgery
Gythe Bulstra. The Netherlands
16:05-16:10
Validation of a classification system for first metatarsal osteotomy healing following minimally invasive hallux valgus surgery
Thomas Lewis. United Kingdom
16:10-16:15
Fourth generation percutaneous transverse osteotomies for hallux valgus
Thomas Lewis. United Kingdom

Saturday 22nd November Room 5

16:15-16:20
Do all bunions with severe metatarsus adductus need lesser-toe lateralising procedures? – a novel method using the medial skin line
Jiawen Fong. Singapore
16:20-16:25
Angular correction and osteoarthritis progression in hallux valgus: a comparison between second- and fourth-generation distal percutaneous osteotomies
Maria Belen Spinelli. Argentina
16:25-16:30
The mini-scarf in the treatment oh hallux valgus: a serie of 80 cases
Labassi Mohamed Hichem. Algeria
16:30-16:35
The sequela of metatarsus primus varus - proposal for a new classification
Andreas Toepfer. Switzerland
16:35-16:45
Discussion

POSTERS

MIFAS
by Greemips

FOOT PERCUTANEOUS/MIS SURGERY

5 Minimally Invasive Bunionette Correction With An Internal Intramedullary Implant
John Chao[1], Jacob Zide[2], Jack Gersten[3], Charlie Benson[3]
1. Peachtree Orthopedics, Atlanta, United States
2. Orthopedic Associates of Dallas, Dallas, United States
3. Medical College of Georgia, Augusta, United States

6 How To Make MIS Bunion Surgeries Easier- It's All About The Room Set-Up:Technical Tip
Gil Genuth[1], Nadav Moses[2], Lukas Daniel Iselin[3]
1. Assuta Medical Centre, Tel Aviv, Israel
2. Wolfson Medical Centre, Tel Aviv, Israel
3. Orthopadisch Klinik, Luzern, Switzerland

9 Minimally Invasive Surgery For Intra-Articular Calcaneal Fractures: Arthroscopy-Assisted Approach Vs. Sinus Tarsi Approach
Naohiro Hio[1], Masanori Taki[2], Atsushi Hasegawa[1]
1. East Maebashi Orthopaedic Hospital, Maebashi, Japan
2. Seirei Hamamatsu General Hospital, Hamamatsu, Japan

10 Hallux Valgus Surgery With Metaphyseal Extra-Articular Transverse And Akin Osteotomy (META): Medium-Term Experience
Eric Daniel Dealbera[1,2]
1. Sanatorio de la Mujer, Rosario, Argentina
2. Sanatorio Británico, Rosario, Argentina

13 4th Generation Percutaneous Hallux Valgus Surgery For Revision Of Recurrent Hallux Valgus
Andreas Kurt Toepfer[1], Peter Lam[2], Robbie Ray[3], Pawel Chomej[4], Pablo Mococain[5], Henryk Liszka[6], Tom Lewis[2], David Gordon[7]
1. Kantonsspital St.Gallen, Sankt Gallen, Switzerland
2. Sydney Sports Medicine Centre, Sydney, Australia
3. Kings College NHS Foundation Trust, London, United Kingdom
4. Hallux Zentrum Leipzig, Leipzig, Germany
5. Clinica Alemana, Santiago De Chile, Chile
6. University Hospital, Kraków, Poland
7. The London Clinic, London, United Kingdom

15 WHO Level 1&2 Analgesics Are Sufficient For Perioperative Pain Management In 3rd And 4th Generation Percutaneous Hallux Valgus Surgery
Andreas Kurt Toepfer, Michael Straessle
Kantonsspital St.Gallen, Sankt Gallen, Switzerland

17 Minimally Invasive Fibular Fixation In Diabetic Patients With Intramedullary Nailing: A Mid-Term Experience
Eric Daniel Dealbera[1,2]
1. Sanatorio de la Mujer, Rosario, Argentina
2. Sanatorio Británico, Rosario, Argentina

18 Patient Outcomes Of MIS Zadek Osteotomy For Insertional Achilles Tendinopathy
Taylor David Schnepp[1], Kyle Anthony Lorenzo[1], Chase Burzynski[2], David Vasserman[1], Christina Chapman[3], Ross Groeschl[4], Brian Burgess[4], **Cary B Chapman[1]**
1. Baptist Health Orthopedics Institute, Coral Gables, United States
2. Nova Southeastern University Kiran C Patel College of Osteopathic Medicine, Fort Lauderdale, United States

3. Baptist Health Orthopedics Institute, Coral Gabels, United States
4. Illinois Bone & Joint Institute, Hinsdale, United States

19 Patient Outcomes Of Minimally Invasive Cheilectomy For Hallux Rigidus
Taylor David Schnepp[1], Kyle Anthony Lorenzo[1], Chase Burzynski[2], Paloma Gauthier[1], **Cary B Chapman[1]**
1. Baptist Health Orthopedics Institute, Coral Gables, United States
2. Nova Southeastern University Kiran C Patel College of Osteopathic Medicine, Fort Lauderdale, United States

20 Cost Benefit Analysis Of 2 Week Radiographs In Bunion Surgery
Taylor David Schnepp[1], Kyle Anthony Lorenzo[1], Chase Burzynski[2], David Vasserman[1], **Cary B Chapman[1]**
1. Baptist Health Orthopedics Institute, Coral Gables, United States
2. Nova Southeastern University Kiran C Patel College of Osteopathic Medicine, Fort Lauderdale, United States

23 Radiographic And Clinical Results Of Minimally Invasive Transverse Distal 1st Metatarsal Osteotomy For Symptomatic Hallux Valgus
Taylor David Schnepp, Kyle Anthony Lorenzo, Dino Fanfan, Wade Massey, **Cary B Chapman,** Thomas P San Giovanni
Baptist Health Orthopedics Institute, Coral Gables, United States

24 Minimally Invasive Surgery For The Treatment Of Clinodactyly: A Mid-Term Experience
Eric Daniel Dealbera[1,2]
1. Sanatorio de la Mujer, Rosario, Argentina
2. Sanatorio Británico, Rosario, Argentina

25 Minimally Invasive Talonavicular Arthrodesis Is Not Inferior To The Open Technique: Clinical And Radiological Outcomes In A Retrospective Cohort
Felix Werneburg, Natalia Gutteck
Department of Orthopedic and Trauma Surgery, Martin Luther University Halle-Wittenberg, Halle, Germany

26 Modified Broström-Gould Procedure With Internal Brace Augmentation Mini-Open For The Treatment Of Ankle Instability: Mid-Term Results.
Eric Daniel Dealbera[1,2]
1. Sanatorio de la Mujer, Rosario, Argentina
2. Sanatorio Británico, Rosario, Argentina

29 Percutaneous Correction Of Hallux Valgus With Adducted Forefoot Using Bosch, Akin And DMMO: Initial Experience
Andres Eugenio Eksarho, Nicolas Raimondi, Agustin Davies
Austral University Hospital, Buenos Aires, Argentina

30 Mastering The Percutaneous Scarf: A Learning Curve Study In 50 Consecutive Procedures
Iñaki Larrakoetxea[1,2], Eduard Rabat[2], Josep Torrent[2], Mariano Finola[2], Iban Clares[1]
1. Hospital Universitari Mutua Terrassa, Barcelona, Spain
2. Institut Rabat, Barcelona, Spain

33 The Filament Union Sign: Prevalence And Clinical Outcomes Of Incomplete Bone Remodeling Following Percutaneous Hallux Valgus Surgery
Thomas Lewis[1], Clare Watt[1], Lily Fletcher[1], Evelyn Murphy[1], Min Jia Chua[1], Gabriel Ferreira[2], Peter Robinson[3], Robbie Ray[4], Peter Lam[1]
1. Orthopaedics and Arthritis Specialist Centre, Sydney, Australia
2. Prevent Senior, Sao Paulo, Brazil
3. North Bristol NHS Trust, Bristol, United Kingdom
4. King's College Hospital, London, United Kingdom

36 One Versus Two Screw Fixation In Minimally Invasive Hallux Valgus Surgery: A Systematic Review
Thomas Lewis[1], Lily Fletcher[1], Ettore Vulcano[2], Tyler Gonzalez[3], Jonathan Kaplan[4], Robbie Ray[5], Peter Lam[1]
1. Orthopaedics and Arthritis Specialist Centre, Sydney, Australia
2. University of Columbia, Florida, United States
3. University of South Carolina, South Carolina, United States
4. Duke University, Durham, United States
5. King's College Hospital, London, United Kingdom

39 Minimally Invasive Surgery For Management Of Bunionette Deformity (Tailor's Bunion) Using Fifth Metatarsal Osteotomies: A Systematic Review And Meta-Analysis
Thomas Lewis[1], Peter Lam[1], Yousif Alkhalfan[2], Robbie Ray[3]
1. Orthopaedics and Arthritis Specialist Centre, Sydney, Australia
2. Guy's and St Thomas' NHS Foundation Trust, London, United Kingdom
3. King's College Hospital, London, United Kingdom

49 Zadek Vs. Achilles Debridement And Repair: Both Effective And Safe Interventions
Kyle Anthony Lorenzo[1], Taylor D Schnepp[1], Chase Burzynski[2], David Vasserman[1], Christina Chapman[1], Ross Groeschl[3], Brian Burgess[3], **Cary B Chapman[1]**
1. Baptist Health Orthopedic Institute, Coral Gables, United States
2. Nova Southeastern University Kiran C Patel College of Osteopathic Medicine, Fort Lauderdale, United States
3. Illinois Bone & Joint Institute, Hinsdale, United States

50 Non-Compression Screw Fixation Through Intact Subchondral Bone Provides Better Biomechanical Stability Than Compression Screws In First Metatarsophalangeal Joint Arthrodesis
Shuyuan Li[1], Mingjie Zhu[2], Min Zhu[2], Samuel Stark[2], Douglas Adams[2], Kenneth Hunt[2], **Alastair Younger[3],** Mark Myerson[2], Todd Baldini[2]
1. Dell medical school, Austin Tx, United States
2. University of Colorado, Denver, Co, United States
3. University of British Columbia, Vancouver, Canada

51 A Meta Analysis Of Full Thread MICA Screws Versus State Of The Art Headless Compression Screws For Hallux Valgus Surgery
Alastair Younger[1], Erika Louisville[2], Valissa Harris[2]
1. University of British Columbia, Vancouver, Canada
2. Stryker, Memphis, United States

52 Sweet And Simple Corrective Surgery For Hallux Valgus – Distal Linear Metatarsal Osteotomy, A Case Report.
Naiman Fahimy Mustapa[1,2], Thean Sim Yee[3], Benny Boon Ewe Yeow[4]
1. Hospital Sultanah Bahiyah, Alor Setar, Malaysia
2. International Islamic University Malaysia, Kuantan, Malaysia
3. Kek Lok Si Charitable Hospital, Penang, Malaysia
4. sland Hospital, Penang, Malaysia

56 Using An External Jig For Minimally Invasive Bunion Surgery Reduces Number Of Cases Required To Achieve Operative Proficiency And Efficiency
Matthew Towner[1], Imad Najm[1], **Togay Koc[1,2]**
1. University Hospital Southampton NHS Foundation Trust, Southampton, United Kingdom
2. University of Southampton, Southampton, United Kingdom

58 Radiographic Comparison Of Forefoot And Midfoot Width Changes With 4th Generation Minimally Invasive Bunion Surgery Versus The Modified Lapidus Procedure

Imad Najm[1], Matthew Towner[1], **Togay Koc[1,2]**
1. University Hospital Southampton NHS Foundation Trust, Southampton, United Kingdom
2. University of Southampton, Southampton, United Kingdom

59 Safety And Outcomes Of Day Case Percutaneous Zadek Osteotomy With Immediate Weightbearing For The Treatment Of Insertional Achilles Tendinopathy

Matthew Towner[1], Imad Najm[1], **Togay Koc[1,2]**
1. University Hospital Southampton NHS Foundation Trust, Southampton, United Kingdom
2. University of Southampton, Southampton, United Kingdom

60 Technique And Results Of MIS Lisfranc Arthrodesis

Natalia Gutteck[1], **Felix Werneburg[2]**
1. University hospital Halle Wittrenberg, Halle, Germany
2. Martin Luther University Halle-Wittenberg, Halle/saale, Germany

63 Tarsal Tunnel Syndrome By Compressive Lipoma

Mohamed Hichem Labassi, Abdelrazak Chouiti
Hopital universitaire Oran, Oran, Algeria

64 Evaluation Of Minimally Invasive Hindfoot Nails For The Treatment Of Complex And Fragility Acute Ankle Fractures

Sarah Hall Kiriluk[1], Cyrus Anthony Pumilia[2], Dylan Crawford[3], John O'Keefe[2], Rodrigo Encinas[4], Moawiah Mustaf[2], Kevin Murr[5], J. Benjamin Jackson[2], Tyler Aaron Gonzalez[5], **Preston Harrison[6]**
1. Walter Reed National Military Medical Center, Bethesda, United States
2. Prisma Health Orthopedics, Columbia, United States
3. University of South Carolina School of Medicine, South Carolina, United States
4. Orlando Health Orthopedics, South Carolina, United States
5. Prisma Health Orthopedics, South Carolina, United States
6. Prisma Health Orthopedics, Maryland, United States

65 Minimally Invasive Arthroscopy-Assisted Tibiotalocalcaneal Nailing For Complex Hindfoot Deformities: A Technique Tip

Cyrus Anthony Pumilia[1], Sarah Hall Kiriluk[2], John O'Keefe[3], Rodrigo Encinas[4], Moawiah Mustafa[1], Ettore Vulcano[5], J. Benjamin Jackson[6], Christopher Miller[7], Tyler Gonzalez[1], **Preston Harrison[8]**
1. Prisma Health Orthopedics, Columbia, United States
2. Walter Reed National Military Medical Center, South Carolina, United States
3. Prisma Health Orthopedics, Bethesda, United States
4. Orlando Health Orthopedics, Maryland, United States
5. Columbia University Division of Orthopedics at Mount Sinai Medical Center, South Carolina, United States
6. Prisma Health Orthopedics, Orlando, United States
7. Brigham and Women's Hospital, Florida, United States
8. Prisma Health Orthopedics, Maryland, United States

66 Efficacy And Safety Of The Interdigital Approach In The Surgical Treatment Of Morton's Neuroma: A Retrospective Study Of 132 Cases

Nicolas Raimondi, Juan Manual Yañez Arauz, Adalberto De Jesus Fontalvo, Andres Eugenio Eksarho, Claudio Tome
Hospital Universitario Austral, Buenos Aires, Argentina

67 Treatment Of Antero-Lateral Ankle Instability Using The Hemi-Castaing Technique Via A Minimally Invasive Approach; A Case Report Of 74 Patients

Rafik Sellam, Mohamed Elamine Senouci, Mohamed Hichem Labassi
The Regional Military University Hospital of Oran, Oran, Algeria

71 The Effect Of Allograft Vs. Autograft And BMI On Outcomes, Complications, And Union Rate Following Hindfoot Arthrodesis Procedures

Sarah Hall Kiriluk[1], **Preston Harrison[2],** Rodrigo Encinas[3], John O'Keefe[4], Moawiah Mustafa[5], Daniel Scott[6], Christopher Gross[7], J. Benjamin Jackson[4], Tyler Gonzalez[8]
1. Walter Reed National Military Medical Center, Bethesda, United States
2. Prisma Health Orthopedics, Maryland, United States
3. Orlando Health Orthopedics, Columbia, United States
4. Prisma Health Orthopedics, South Carolina, United States
5. Prisma Health Orthopedics, Orlando, United States
6. Medical University of South Carolina, Florida, United States
7. Medical University of South Carolina, Columbia, United States
8. Prisma Health Orthopedics, Columbia, United States

72 The Effect Of Allograft Vs. Autograft And BMI On Outcomes, Complications, And Union Rate Following Midfoot Arthrodesis Procedures

Sarah Hall Kiriluk[1], **Preston Harrison[2],** Rodrigo Encinas[3], John O'Keefe[4], Moawiah Mustafa[5], Daniel Scott[6], Christopher Gross[7], J. Benjamin Jackson[4], Tyler Gonzalez[8]
1. Walter Reed National Military Medical Center, Bethesda, United States
2. University of South Carolina School of Medicine, Maryland, United States
3. Orlando Health Orthopedics, Columbia, United States
4. Prisma Health Orthopedics, South Carolina, United States
5. Prisma Health Orthopedics, Orlando, United States
6. Medical University of South Carolina, Florida, United States
7. Medical University of South Carolina, Columbia, United States
8. Prisma Health Orthopedics, Columbia, United States

73 The Effect Of BMI On Outcomes, Complications, And Union Rate Following Midfoot And Hindfoot Arthrodesis Procedures

Sarah Hall Kiriluk[1], **Preston Harrison[2],** Rodrigo Encinas[3], John O'Keefe[4], Moawiah Mustafa[5], Daniel Scott[6], Christopher Gross[7], J. Benjamin Jackson[4], Tyler Gonzalez[8]
1. Walter Reed National Military Medical Center, Bethesda, United States
2. University of South Carolina School of Medicine, Maryland, United States
3. Orlando Health Orthopedics, Columbia, United States
4. Prisma Health Orthopedics, South Carolina, United States
5. Prisma Health Orthopedics, Orlando, United States
6. Medical University of South Carolina, Florida, United States
7. Medical University of South Carolina, Columbia, United States
8. Prisma Health Orthopedics, Columbia, United States

74 Analysis Of Union Rates, Functional Outcomes, Complications After Autograft Vs. Allograft In Midfoot And Hindfoot Arthrodesis

Sarah Hall Kiriluk[1], **Preston Harrison[2],** Rodrigo Encinas[3], John O'Keefe[4], Moawiah Mustafa[5], Daniel Scott[6], Christopher Gross[7], J. Benjamin Jackson[4], Tyler Gonzalez[8]
1. Walter Reed National Military Medical Center, Bethesda, United States
2. University of South Carolina School of Medicine, Maryland, United States
3. Orlando Health Orthopedics, Columbia, United States
4. Prisma Health Orthopedics, South Carolina, United States
5. Prisma Health Orthopedics, Orlando, United States

6. Medical University of South Carolina, Florida, United States
7. Medical University of South Carolina, Columbia, United States
8. Prisma Health Orthopedics, Columbia, United States

79 Clinical And Radiographic Outcome Of Bio-Integrative Minimally Invasive Bunion Surgery: A Case Series
Steven K Neufeld
Centers for Advanced Orthopaedics, Washington, Dc, United States

83 Risk Factors For Metatarsal Fracture In Minimally Invasive Hallux Valgus Surgery: A Case-Control Study
Gabriel Ferraz Ferreira[1], Daniel Sonnewend Proença[1], Guilherme Ferrari[1], Davy Sevilla Dorado[1], Gustavo Nunes[2], Mauro Cesar Mattos Dinato[3], Thomas Lorchan Lewis[4], Robbie Ray[5], Miguel Viana Pereira Filho[1]
1. Prevent Senior, São Paulo, Brazil
2. COTE, Brasília, Brazil
3. Instituto Vita, São Paulo, Brazil
4. Orthopaedic and Arthritis Specialist Centre, Sydney, Australia
5. *King's Foot and Ankle Unit, London, United Kingdom*

87 3D Guides And MIS: The Future For The Correction Of Major Foot Deformities
Laia Lopez-Capdevila, Manel Fa Binefa, Sergio Lopez Hervas, Maria Angeles Iglesias, Abdel Hakim Moustafa, Iago Andreu Gonzalez, **Alexis Raúl Lucas**
Hospital Santa Creu i Sant Pau, Barcelona, Spain

95 Are Patients With CLAI More Functionally Impaired Compared To Those With Symptomatic Single Lateral Ankle Sprain?
Xinyi Lim, Sammy Khin Yee Loh, Choon Chiet Hong
National University Hospital, Singapore, Singapore, Singapore

98 Outcomes Of Horizontal Versus Akin Osteotomy Of The Proximal Phalanx For Hallux Valgus
Itaru Morohashi
Juntendo Nerima Hospital, Tokyo, Japan

99 Outcomes Of Open Versus Minimally Invasive Zadek Osteotomy In Treatment Of Insertional Achilles Tendinopathy.
Dhivakaran Gengatharan, Daran Huang, Eric Wei Liang Cher
Sengkang General Hospital, Singapore, Singapore

100 One In Four Patients Surgically Treated For Symptomatic Lateral Ankle Instability Have Osteochondral Lesions Of The Ankle Joint
Khin Yee Sammy Loh, Xinyi Lim, Choon Chiet Hong
National University Hospital, Singapore, Singapore

102 Percutaneous Lapidus Procedure For The Management Of Primary Hallux Valgus Deformity – A Retrospective Cohort Analysis.
Alastair Stephen Younger[1], Alasdair Barrie[2], Oliver Gagne[1], James Ryeburn[1], Murray Penner[1], Shuyuan Li[3], Kevin Wing[1], Andrea Veljkovic[1]
1. University of British Columbia, Vancouver, Canada
2. Royal Cornwall Hospital, Truro, United Kingdom
3. Dell Medical Center, University of Texas at Austin, Austin, United States

106 Patient Reported Outcomes And Complications Of Percutaneous Zadek Osteotomy Vs Open Midline Achilles Tendon Splitting Haglund's Resection For IAT

Sarah Hall Kiriluk[1], Jonathan Kaplan[2], Ettore Vulcano[3], Oliver N. Schipper[4], Thomas Lewis[5], Peter Lam[6], A. Holly Johnson[7], J. Benjamin Jackson[8], Tyler Gonzalez[9], **Preston Harrison[10]**
1. Walter Reed National Military Medical Center, Bethesda, United States
2. Duke University, Durham, United States
3. Columbia University Division of Orthopedics at Mount Sinai Medical Center, North Carolina, United States
4. Anderson Orthopaedic Clinic, Miami Beach, United States
5. King's College Hospital NHS Foundation Trust, Florida, United Kingdom
6. Orthopaedic and Arthritis Specialist Centre, Arlington, Australia
7. Hospital for Special Surgery, Virginia, United States
8. Prisma Health Orthopedics, London, United States
9. Prisma Health Orthopedics, Sydney, United States
10. Prisma Health Orthopedics, Maryland, United States

109 Minimum 1 Year Results For Open Chevron-MIS Akin Technique For Moderate Hallux Valgus

Joaquin Zuñiga, Diego Godoy, Ruben Radkievich, Mario Escudero, Diego Zanolli, Pablo Mococain, Pablo Wagner, Andres Keller, **Emilio Wagner**
Clinica Alemana de Santiago-Universidad del Desarrollo, Santiago, Chile

110 Box Technique For Original MIS Lapidus In Severe Hallux Valgus: Preliminary Results

Jose Tomas De La Torre, Diego Corral, Cristobal Palominos, Pablo Wagner, **Emilio Wagner**
Clinica Alemana de Santiago-Universidad del Desarrollo, Santiago, Chile

112 Technique Tip: Knotless Double-Anchor Repair Of The Superior Peroneal Retinaculum For Peroneal Tendon Instability

Rohith Ryali, Justin Luk, Ivy Lee, Christopher P Miller
Mass General Brigham, Boston, United States

116 Implant Removal Rates For Cannulated Cut-Screw Vs Headless-Screws For MISHallux Valgus Osteosynthesis: A Preliminary Study.

Abraham Guadalupe Espinosa-Uribe[1,2], Fernando Alfredo Fernandez-Garza[3], David Muñoz-Leija[1], Jorge Gutiérrez-De La O1, José Felix Vilchez-Cavazos[1], Alejandro Quiroga-Garza[1], Rodrigo E. Elizondo-Omaña[1]
1. Human Anatomy Department, School of Medicine, Universidad Autónoma de Nuevo León, Monterrey, Mexico
2. Instituto de Seguridad Social y Servicios de los Trabajadores del Estado de Nuevo León, Monterrey, Mexico, Monterrey, Mexico

117 Comaparison Of An All-Lateral Approach To Endoscopic Triple Arthrodesis

Ziyaad Mayet[1], Nazrana Aboo[2], Ntswe Mofokeng[1]
1. Chris Hani Baragwanath Academic Hospital, Johannesburg, South Africa
2. Bonesetters Orthopaedics, Johannesburg, South Africa

118 Evaluation Of Endoscopic Assisted Cheilectomy For Hallux Rigidus

Ziyaad Mayet[1], Nazrana Aboo[2], Ameer Khan[3]
1. University of the Witwatersrand, Chris Hani Baragwanath Academic Hospital, Johannesburg, South Africa
2. Bonesetters Orthopaedics, Johannesburg, South Africa
3. University of the Witwatersrand, Johannesburg, South Africa

126 Minimally Invasive Versus Open Tibiotalocalcaneal Fusion: A Retrospective Cohort Study

Ivy Lee[1,2,3], Jonathan Hintz[3], Mario Keko[3], Michael Mctague[3], **Justin Luk[1,2],** Rohith Ryali[1,2], Soheil Ashkani-Esfahani[1,2], Fernando Raduan[3], Christopher P. Miller[2]

1. Foot and Ankle Research and Innovation Laboratory (FARIL), Department of Orthopaedic Surgery, Massachusetts
2. General Hospital, Harvard Medical School, Boston, United States
3. Foot and Ankle Division, Department of Orthopaedic Surgery, Massachusetts General Hospital, Harvard Medical
4. School, Boston, United States
5. Department of Orthopaedic Surgery, Beth Israel Deaconess Medical Center, Boston, United States

129 Percutaneous Fusions In The Hindfoot: Early Outcomes

Imad Najm[1], Mathew Towner[1], **Togay Koc[1,2]**
1. University Hospital Southampton, Southampton, United Kingdom
2. University of Southampton, Southampton, United Kingdom

134 Three-Dimensional Distance Maps Demonstrate Intercuneiform And Naviculocuneiform Joint Involvement In Hallux Valgus Patients Compared With Matched Control Patients

Brian Closkey[1], Brett Steineman[2], Shu-Han Wang[3], Scott Ellis[3], **Holly Johnson[3],** Matthew Conti[3]
1. Georgetown University School of Medicine, Washington, United States
2. Hospital for Special Surgery, D.c., United States
3. Hospital for Special Surgery, New York, United States

136 Radiographic And Clinical Outcomes Of Guided PETA For Hallux Valgus Correction

Antoine Acker[1], Filipo Pierobon[1], Albert Bailez[2], Theenesh Theyvan[1], Mathieu Assal[1], Victor Dubois-Ferriere[1]
1. Centre Assal, Geneva, Switzerland
2. Lenox Corachan, Barcelona, Spain

149 MIS Floating Diaphyseal Osteotomies Of Metatarsals In Chronic Neuropathic Plantar Ulcers: Clinical And Biomechanical Outcomes

Sanjay Seetharama Sharma
FootSecure, Bangalore, India

150 Minimally Invasive Plantar Spur Reduction With Subcutaneous Fascia Release: Case Series Demonstrating Pain Relief And Functional Recovery

Sanjay Seetharama Sharma
FootSecure, Bangalore, India

155 Case Series Of Modified MICA Procedure With First Metatarsal Shortening For Extremely Severe Hallux Valgus

Toshinori Kurashige
Nadogaya hospital, 2-1-1, Japan

158 If It'S Crooked, Make It Straight: A Minimally Invasive Approach To Correcting First Metatarsophalangeal Arthrodesis Malunion

Nicolas Dohse[1], Cole Herbel[2], Jorge Gil[3], Tyler Gonzalez[4], **Edward Haupt[2]**
University of Florida Jacksonville College of Medicine, Jacksonville, United States
1. Mayo Clinic Jacksonville, Jacksonville, United States
2. Baptist Health, Naples, United States
3. Prisma Health, Columbia, United States

159 Basal First Metatarsal Osteotomy And Akin Procedure: A Comparative Study Of Fixation Methods In 65 Feet

Ana Cristina King Martinez[1,2]
1. Hospital General Dr. Manuel Gea Gonzalez, Mexico City, Mexico
2. Medica Sur, mexico city, Mexico

165 Percutaneous Treatment Of Hallux Varus With Reverse Wilson Osteotomy
Osny Salomão[1], Eduardo Melo De Castro Moreira[1], Luiz Carlos Ribeiro Lara[2], **Frederico Pinheiro De Lima[2],** Lara Furtado Lancia[2], Nivea Ribeiro Xavier[2], Leticia Tondato Da Silva Costa[2], Glaucia Bordignon[2]
1. Hospital Sírio-Libanês, São Paulo, Brazil
2. Hospital Universitário de Taubaté, Taubaté, Brazil

170 Minimally Invasive PIP Joint Fusion Of The Second Toe With Hallux Valgus Correction: A Prospective Case Series
Mohamed Sayed Yousef, Ayla Newton, Robbie Ray, Lilanthi Wickramarachchi, Thomas Lewis
King's College NHS Foundation Trust, London, United Kingdom

172 Climatic Influence On Surgical Indication In Hallux Valgus: A Comparative Study Between Singapore And Barcelona
Iñaki Larrakoetxea[1], Josep Torrent[2], Iban Clares[1], Mariano Finola[2], Eduard Rabat[2]
1. Mutua Terrassa, Barcelona, Spain
2. Institut Rabat, Barcelona, Spain

173 Minimally Invasive Rotational Osteotomy Of The Tibia And Fibula: A Case Report
Cesar Antonio Ramirez, Seif El Masry, Alex Bechtle, **Edward Haupt**
Mayo Clinic, Jacksonville, United States

175 Progression Of Hallux Valgus After Isolated DMMO: A Long-Term Radiographic Study
Iban Clares Moreno[1], Iñaki Larrakoetxea Intxausti[1], María José Jiménez Jiménez[1], Francesc Anglès Crespo[1], Josep Torrent Gómez[2]
1. Fundació Assitencial Mútua Terrassa, Terrassa, Spain
2. Institut rabat- Barcelona Foot and Ankle Clínic, Barcelona, Spain

177 Evaluation Of The Role Of Adductor Release And Akin Osteotomy In The Angular Correction Of Moderate-To-Severe Hallux Valgus
Maria Belen Spinelli, Ana Cecilia Parise, Virginia Maria Cafruni, Julian Manuel Parma, Pablo Adrian Solorzano Bedoya, Maria Gala Santini Araújo, Pablo Sotelano
Hospital italiano de Buenos Aires, Caba, Argentina

178 Minimally Invasive Metatarsophalangeal Arthrodesis
Juan Carlos Albornoz Albarran
Policlínica Méndez Gimón, Caracas, Venezuela

179 Comparative Study Of Percutaneous Modified Reverdin-Isham Versus Minimally Invasive Chevron-Akin (MICA) For Moderate Hallux Valgus Correction
Luiz Carlos Ribeiro Lara, **Frederico Pinheiro De Lima,** Lara Furtado Lancia, Leticia Tondato Da Silva Costa, Glaucia Bordignon, José Leonardo Mattoso Do Carmo Wenke Motta, Flávio Aguiar De Albuquerque, João Pedro Da Silva Angélica Varginha
Hospital Universitário de Taubaté, Taubaté, Brazil

181 MICA Technique In The Third World: My Experience
Juan Carlos Albornoz Albarran
Policlínica Méndez Gimón, Caracas, Venezuela

182 Surgical Outcomes Of Minimally Invasive Hallux Valgus Correction Using 3D-Printed Patient-Specific Instrumentation: A Prospective Case Series

Gabriel Ferraz Ferreira[1], Thomas Lorchan Lewis[2], Kepler Alencar Mendes De Carvalho[3], Andreas Toepfer[4], Miguel Viana Pereira Filho[5], Noman Siddiqui[6], Rodrigo Gonçalves Pagnano[5]
1. Universidade Estadual de Campinas (UNICAMP), Campinas, Brazil
2. Orthopaedic and Arthritis Specialist Centre, Sydney, Australia
3. University of Iowa, Iowa, United States
4. Kantonsspital St.Gallen, St.gallen, Switzerland
5. Universidade Estadual de Campinas, Campinas, Brazil
6. International Center for Limb Lengthening, Baltimore, United States

184 Minimally Invasive Midfoot Osteotomy

Mohamed Mokhtar Abd-Ella
Ain shams University, Cairo, Egypt

189 MIZO Mini Invasive Zadek Osteotomy For Insertional Achilles Tendinopathy And Haglund's Syndrom : Long Term Efficacity And Safety

Thomas Grimaud, Julien Lucas Y Hernandez, Olivier Laffenetre, Joel Vernois
Centre Hospitalo Universitaire Pellegrin, Bordeaux, France

192 Iatrogenic AV Fistula After Screw Placement In Percutaneous 4th Generation Hallux Valgus Correction: A Case Report

Primoz Potocnik[1], **Andreas Toepfer[2]**
1. Kantonsspital Graubünden, Klinik für Orthopädie und Traumatologie, Chur, Switzerland
2. Health Ostschweiz, Kantonssoital St.Gallen, Klinik für Orthopädie und Traumatologie, Sankt Gallen, Switzerland

193 Posterior Tibial Vein Thrombosis in Adult-Acquired Flatfoot: A Potential Biomechanical Link

A. Rodríguez Garzón, J. Sánchez Rúas
Clínica Universidad de Navarra, Madrid, Spain

ANKLE ARTHROSCOPY

28 Ankle Arthroscopy Complication Risk Is Correlated With Procedural Complexity
Cole Herbel[1], Ramiro Lopez[1], Jonathan Arias[2], Alex M Moses[2], **Edward T Haupt[1]**
1. Mayo Clinic in Florida, Jacksonville, United States
2. University of Florida - Jacksonville, Jacksonville, United States

40 Endoscopic Flexor Hallucis Longus Transfer With Interference Screw And Additional Tension Slide Cortical Button For Chronic Achilles Tendon Rupture
Ayla Newton[1], Samuel Franklin[1], **Thomas Lewis[2],** Sanjana Mehrotra[1], Siddhartha Murhekar[1], Vikramman Vignaraja[1], Robbie Ray[1]
1. King's College Hospital, London, United Kingdom
2. Orthopaedics and Arthritis Specialist Centre, Sydney, Australia

48 Arthroscopic Handlebar Technique For The Treatment Of Posterior Malleolar Fractures
Masanori Taki[1], Kazunari Oshima[1], Naohiro Hio[2]
Seirei Hamamatsu General Hospital, Hamamatsu, Japan
Higashi Maebashi Orthopaedic Hospital, Maebashi, Japan

61 Outcomes And Return To Sports In Female Athletes With Chronic Ankle Instability Treated With The ArthroBröstrom Technique
Gonzalo F. Bastias[1,2], Jose Bazan[3,4], Luis Carlos Perez[1,5], Dafne Araya[6], Ignacio Valderrama[1], Natalio Cuchacovich[1,7]
1. Hospital del Trabajador, Santiago, Chile
2. Clinica Universidad de Los Andes, Santiago, Chile
3. Hospital Traumatologico de Concepcion, Concepcion, Chile
4. Sanatorio Aleman, Concepcion, Chile
5. Hospital del Salvador, Santiago, Chile
6. Hospital de Coquimbo, Coquimbo, Chile
7. Clinica Las Condes, Santiago, Chile

62 Endoscopic Flexor Hallucis Longus Tenotomy For Checkrein Deformity: A Minimally Invasive Alternative To Traditional Z-Plasty
Andrea Sallent[1,2], Gemma Duarri[1,2], Marta Altayo[1], Iñaki Maled[1], Rosa Busquets[1]
1. Hospital Vall d'Hebron, Barcelona, Spain
2. Hospital El Pilar, Barcelona, Spain

68 Clinical Outcomes And Complication Profile Of Open And Arthroscopic Ankle Arthrodesis: A Systematic Review
Rodrigo Encinas[1], Sarah Hall Kiriluk[2], Jack Hardman[3], J. Benjamin Jackson[4], Tyler Gonzalez[5], Preston Harrison[4]
1. Orlando Health Orthopedics, Orlando, United States
2. Walter Reed National Military Medical Center, Florida, United States
3. Orlando Health Orthopedics, Bethesda, United States
4. Prisma Health Orthopedics, Maryland, United States
5. Prisma Health Orthopedics, Orlando, United States

69 Total Ankle Arthroplasty And The Utilization Of Tranexamic Acid: A Systematic Review.
Rodrigo Encinas[1], Sarah Hall Kiriluk[2], Jack Hardman[3], J. Benjamin Jackson[4], Tyler Gonzalez[5], **Preston Harrison[4]**
1. Orlando Health Orthopedics, Orlando, United States
2. Walter Reed National Military Medical Center, Florida, United States
3. Orlando Health Orthopedics, Bethesda, United States
4. Prisma Health Orthopedics, Maryland, United States
5. Prisma Health Orthopedics, Orlando, United States

70 Clinical Outcomes And Safety Profile For Total Ankle Arthroplasty And Ankle Arthrodesis For Symptomatic Ankle Arthritis: A Systematic Review
Rodrigo Encinas[1], Sarah Hall Kiriluk[2], Jack Hardman[3], J. Benjamin Jackson[4], Tyler Gonzalez[5], **Preston Harrison[4]**
1. Orlando Health Orthopedics, Orlando, United States
2. Walter Reed National Military Medical Center, Florida, United States
3. Orlando Health Orthopedics, Bethesda, United States
4. Prisma Health Orthopedics, Maryland, United States
5. Prisma Health Orthopedics, Orlando, United States

80 Complex Osteochondral Lesions Of The Talus Treated With A Novel Biphasic Construct With Minced Autologous Cartilage Via Arthroscopic Implantation
Chien Hua Chen
Taipei Municipal Wanfang Hospital, Taipei City, Taiwan

82 Arthroscopic Subtalar Arthrodesis Via Lateral Approach: An Update Of The Technique And Its Application To Pathologies Associated With Subtalar Osteoarthritis
Mario Cristobal Abarca-Montaño[1,2], Alvaro Layseca[1], Patricio Zagal[1]
1. Hospital del Trabajador Santiago, Santiago, Chile
2. Clinica INDISA, Santiago, Chile

85 Posterior Arthroscopy In Lateral Decubitus, A Gateway To Periarticular Ankle MIS Surgery
Colin Dujardin, Nathalie Bouffioux, Gael Gaudin
Impulsion / ankle and foot surgery, Orléans, France

86 Arthroscopic Reduction And Fixation Using Kirschner-Wires For Comminuted Posterior Malleolar Fractures
Kazunari Oshima
Seirei Hamamatsu General Hospital, Hamamatsu City, Japan

90 Analysis Of Complications In Ankle Arthroscopy And Their Relationship With The Mid-Term Learning Curve
Javier Ignacio Zaourak, Johanna Michell Bellot, Juan Drago, Diego Javier Yearson, Sofia Carlucci, Jorge Enrique Restrepo Jiménez
Climba, Caba, Argentina

94 Endoscopic Treatment Of Haglund's Disease: Evaluation Of Clinical, Functionaloutcomes And Complications At The Beginning Of The Learning Curve
Javier Ignacio Zaourak, Juan José Drago, Jorge Enrique Restrepo Jiménez, Johanna Michell Bellot, Diego Javier Yearson, Sofia Carlucci
Climba, Caba, Argentina

124 Early Clinical Outcomes Of Endoscopic DORR Procedure For Recalcitrant Plantar Fasciitis
Craigven Hao Sheng Sim, Dhivakaran Gengatharan, Walter-Soon-Yaw Wong, Wenxian Png, Eric Wei Liang Cher
Sengkang General Hospital, Singapore, Singapore

125 Radiological Outcomes Of Endoscopic DORR Procedure For Recalcitrant Plantar Fasciitis
Dhivakaran Gengatharan, Walter-Soon-Yaw Wong, Inderjeet Singh Rikhraj, Steven Bak Siew Wong, Eric Wei Liang Cher
Sengkang General Hospital, Singapore, Singapore

130 Arthroscopic Findings And Accuracy Of Preoperative Diagnosis In Patients With Lateral Ankle Instability.
Pierre-Henri Vermorel[1], Jordi Vega[2], Miquel Dalmau-Pastor[3], Francesc Malagelada[4], Andrea Pantalone[5], Matteo Guelfi[6]
1. CHU Nord, Saint-Etienne, France
2. Hospital Quirón Barcelona, Barcelona, Spain
3. University of Barcelone, Barcelona, Spain
4. The Royal London Hospital, London, United Kingdom
5. Ospedale SS. Annunziata di Chieti, Pescara, Italy
6. Casa di cura villa montallegro, Genova, Italy

137 Arthroscopic Correlation Of Syndesmotic Lesions With MRI Findings Predicting Instability (A Retrospective Study)
Guillermo Cardone, Facundo Bilbao, Maria Gala Santini Araújo
Hospita Italiano San Justo, San Justo, Argentina

138 Good Long-Term Results On Anterior Ankle Impeachment Requires Treating The Cause In Conjunction
Guillermo Cardone, Facundo Bilbao, Maria Gala Santini Araújo
Hospita Italiano San Justo, San Justo, Argentina

152 Surgical Versus Nonoperative Treatment For Severe Acute Lateral Ankle Ligament Injuries: A Long-Term Follow-Up Study
Hideo Noguchi, Junko Sato, Yoshinori Ishii, Ikuko Takahashi
Ishii Orthopaedic and Rehabilitation Clinic, Gyoda, Japan

153 All-Arthroscopic AMIC® (AT-AMIC): A Long-Lasting Procedure For The Treatment Of Talar Osteochondral Defects. Long-Term Follow-Up Cross-Sectional Study
Gustavo Nunes[1], Tiago Baumfeld[2], Andre Lemos[3], Gabriel Moraes[3], Marcelo Prado[3], Caio Nery[3], Daniel Baumfeld[2]
1. COTE Clinic, Brasília- Df, Brazil
2. Universidade Federal de Minas Gerais, Belo Horizonte, Brazil
3. Universidade Federal de São Paulo, São Paulo, Brazil

154 Long-term follow-up after calcaneoplasty: Does it work?
Gustavo Nunes[1], Tiago Baumfeld[2], Matheus Correa[2], Caio Nery[3], Daniel Baumfeld[2]
C1. COTE Clinic, Brasília- Df, Brazil
2. Universidade Federal de Minas Gerais, Belo Horizonte, Brazil
3. Universidade Federal de São Paulo, São Paulo, Brazil

160 AOFAS And ATRS Improvement After Endoscopic FHL Transfer For Chronic Achilles Rupture: A Case Series
Alberto Cuellar Avaroma[1], Luciano Torres Sanchez[2], Lucas Porto Cortines Laxe Martins Da Silva[3]
1. Hospital Medica Sur, Mexico City, Mexico
2. Hospital General Purisima del Rincón, Guanajuato, Mexico
3. INR Hospital Dr. Luis Guillermo Ibarra Ibarra, Mexico City, Mexico

161 360-Degree Endoscopic Approach For Mid-Portion Achilles Tendinopathy: Functional Outcomes And The Role Of Associated FHL Tendinitis
Alberto Cuellar Avaroma
Hospital Medica Sur, Mexico City, Mexico

168 FASTANKOR And ANKOR Score: A Fast And Reliable Scoring System For Surgical Decision-Making In Chronic Ankle Instability

Fabrizio Forconi[1], Andrea De Fazio[2], Domenico Sinopoli[2], **Raffaele Vitiello[2]**
1. Casa di Cura Villa Stuart, Roma, Italy
2. Fondazione Policlinico Gemelli IRCCS, Roma, Italy

174 The Anatomic Ankle Lateral Ligament Reconstruction (ALL-Recon): A Three-Dimensional (3D) Computed Tomography Study And Finite Element Analysis Of Proper Fibular

Krit Rachayont
Thammasat University, Pathum Thani, Thailand

191 Clinical and functional outcomes of surgical strategies in the management of osteochondral lesions of the ankle

Juan Esteban Paneso Echeverry[1], Camilo Andres Velandia Amaya[1], Francisco Javier García Bermúdez[2]
1. Orthopedic Surgery Resident, National University of Colombia, Bogotá, Colombia
2. Foot and Ankle Surgeon, Associate Professor at the National University of Colombia, Bogotá, Colombia

LUNCH SYMPOSIA

MIFAS
by Grecmip

Thursday 20th November

TARSOPLASTY, REDEFINING LAPIDUS
ROOM 3
13:00h – 14:15h
Moderators: Peter Lam & Robbie Ray
Speakers: Christopher Miller, Tristan Meusnier, Christian Plaas

enovis FOOT & ANKLE

13:00-13:25
MIS Lapidus Tarsoplasty technique
MIS Lapidus: what indications?
Tarsoplasty: Simplifying Lapidus journey from open to MIS

13:25-13:50
Roundtable & cases discussions.

13:50-14:14:14
Hands on workshop

Friday 21th November

ALL AROUND THE ANKLE - PERCUTANEUS TECHNIQUES, NEW TECHNOLOGIES AND FINDINGS
ROOM 3
13:30h – 14:30h
Moderator: Nasef Mohamed N. Abdelatif

Arthrex

Percutaneus FiberTak Achilles SpeedBridge System for Insertional Achilles Pathologies
Pieter D´Hooghe
The Importance of Deltoid Ligament Repair for Rotational Ankle Stability
Nasef Mohamed N. Abdelatif
Minimaly Invasive Techniques for Flatfoot Correction
Andreas Toepfer
The use of NanoNeedle Technology for syndesmotic Injuries
Gino Kerkhoffs

OUR SPONSORS

Platinium

Arthrex

enovis FOOT & ANKLE

Gold

ConMed

Paragon 28 Exclusively foot & ankle

Silver

stryker

NEWCLIP TECHNICS

BRM ExtremitieS

GROUPE FH ORTHO

GROUP extremities

interALPES foot and ankle academy Ausbildung auf höchstem Niveau

ORTHOSCAN

STEPS ORTHO

SWISSRAY TECHNOLOGIES

VILEX

EXHIBITION FLOOR MAP

VILEX 01	GROUPE FH ORTHO 02
NEWCLIP TECHNICS 03	BRM Extremities 04
stryker 05	Exclusively foot & ankle Paragon 28 06
enovis FOOT & ANKLE 07	CONMED 08
SWISSRAY TECHNOLOGIES 09	ORTHOSCAN 10
Arthrex 11	STEPS ORTHO 12
interALPES foot and ankle academy Ausbildung auf höchstem Niveau 13	GROUP extremities 14
stryker 01	CONMED 02

MIFAS
by Greemip