



VENUE

Palau de Congressos
de Barcelona



7th International Congress of Foot & Ankle Minimally Invasive Surgery

November 20-22, 2025
Barcelona, Spain



MIFAS PRESIDENT
Javier Del Vecchio
(Spain)

CONGRESS CO PRESIDENTS



Georg Hochheuser
(Germany)



Miki Dalmau-Pastor
(Spain)

SCIENTIFIC PROGRAM





7th International Congress of Foot & Ankle Minimally Invasive Surgery

November 20-22, 2025
Barcelona, Spain



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



7th International Congress of Foot & Ankle Minimally Invasive Surgery

November 20-22, 2025
Barcelona, Spain



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

Julien Lucas y Hernández (France)
TREASURER

Jordi Vega (Spain)
PAST PRESIDENT

Miki Dalmau-Pastor (Spain)
OPERATIONAL LEADER

Rebecca Cerrato (USA)
VICE-PRESIDENT FOR NORD-AMERICA

Josep Torrent (Spain)
CHIEF OF THE MEDIA COMMITTEE

Samir Karrakchou (Morocco)
VICE-PRESIDENT FOR AFRICA-MIDDLE EAST

Véronique Darcel (France)
MEMBER AT LARGE

Paulo Carvalho (Portugal)
CONTINENT LEADER & CHIEF OF THE EDUCATION
COMMITTEE

Matteo Guelfi (Italy)
BOARD MEMBER

Marc Elkaïm (France)
GENERAL SECRETARY

Frederick Michels (Belgium)
VICE-PRESIDENT FOR EUROPE

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



7th International Congress of Foot & Ankle Minimally Invasive Surgery

November 20-22, 2025
Barcelona, Spain



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 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).



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](#)



7th International Congress of Foot & Ankle Minimally Invasive Surgery

November 20-22, 2025
Barcelona, Spain



VENUE

VENUE

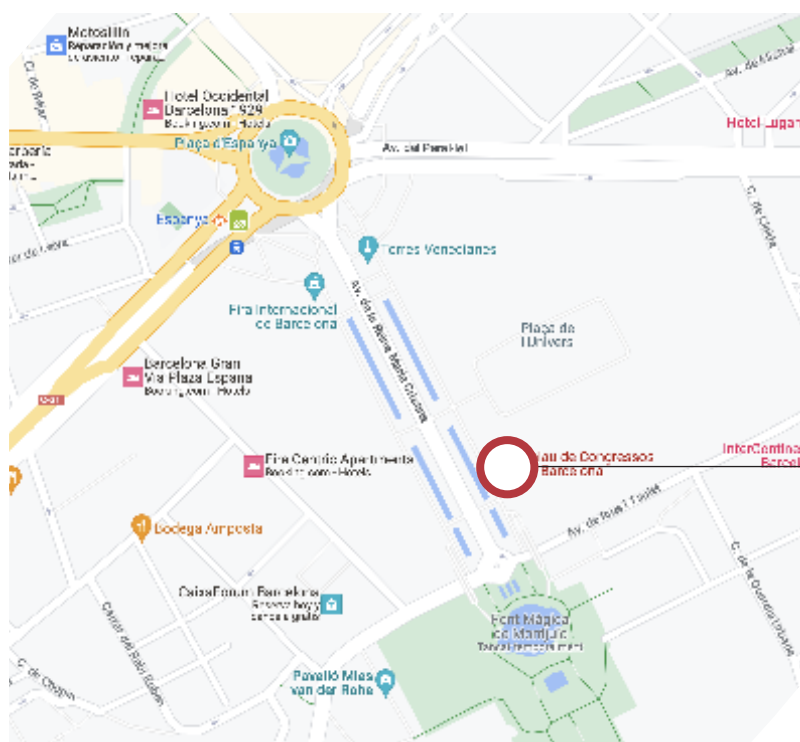
Palau de Congressos de Barcelona
Av. de la Reina Maria Cristina, s/n,
08004 Barcelona
www.firabarcelona.com/en/montjuic/

WEBSITE

www.mifas2025.com
www.mifas.org

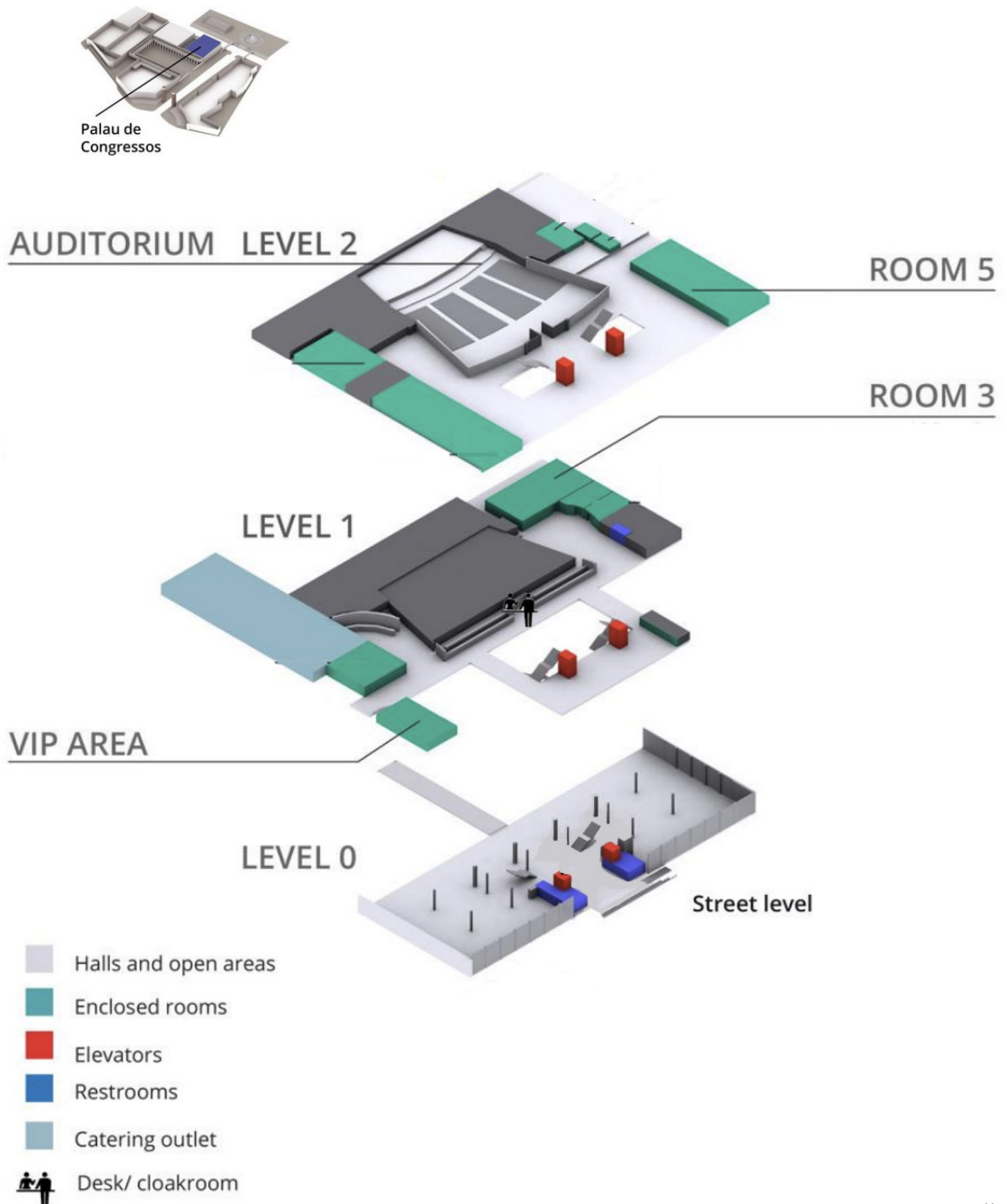


Fira Barcelona





VENUE





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:

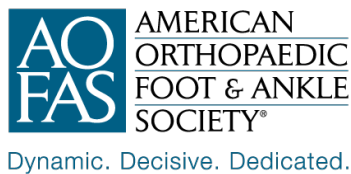
Bank transfer- all relevant bank details are made available on the registration form.

Credit card - payment via secure online e-commerce gateway (VISA and Mastercard accepted).

PATRONAGE - ENDORSED BY



AFCP / FFAS
Association Française de
Chirurgie du Pied



AOFAS
American Orthopaedic
Foot & Ankle Society



ESSKA
European Society of Sports
Traumatology, Knee Surgery &
Arthroscopy



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



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



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

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
08:45 - 10:30h		LS3 - Live Surgery MIS in Hallux Valgus	Achilles insertional tendinopathy management in young and active patients
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 -paediatric- 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

Véronique Darcel. 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 ligamentoplasty
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 ligamen-
tous 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
ligamentoplasty**

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 tarsometatarsal 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 PRO- BLEMS 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

*Moderators: Kris Buedts. Belgium
Manfred Thomas. Germany*

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

17:30-18:30

MIS & FLATFOOT

Moderators: *Andreas Toepfer. Switzerland*
Robbie Ray. United Kingdom

17:30-17:45

Endoscopic FDL transfer

Marc Elkaim. France

17:45-18:00

Hindfoot osteotomy

Andreas Toepfer. Switzerland

18:00-18:15

Arthroereisis

Robbie Ray. United Kingdom

18:15-18:30

Discussion

Hall

17:00-17:30

Coffee break & Exhibition, Posters

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

Talus 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 of 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





FOOT PERCUTANEOUS/MIS SURGERY

5 Minimally Invasive Bunionette Correction With An Internal Intramedullary Implant

John Chao¹, Jacob Zide², Jack Gersten³, Charlie Benson³

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 Genuth¹, Nadav Moses², Lukas Daniel Iselin³

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 Hio¹, Masanori Taki², Atsushi Hasegawa¹

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 Toepfer¹, Peter Lam², Robbie Ray³, Pawel Chomej⁴, Pablo Mococain⁵, Henryk Liszka⁶, Tom Lewis², David Gordon⁷

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 Schnepf¹, Kyle Anthony Lorenzo¹, Chase Burzynski², David Vasserman¹, Christina Chapman³, Ross Groeschl⁴, Brian Burgess⁴, **Cary B Chapman¹**

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 Gables, United States

4. Illinois Bone & Joint Institute, Hinsdale, United States

19 Patient Outcomes Of Minimally Invasive Cheilectomy For Hallux Rigidus

Taylor David Schnepf¹, Kyle Anthony Lorenzo¹, Chase Burzynski², Paloma Gauthier¹, **Cary B Chapman¹**

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 Schnepf¹, Kyle Anthony Lorenzo¹, Chase Burzynski², David Vasserman¹, **Cary B Chapman¹**

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 Schnepf, 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 Rabat², Josep Torrent², Mariano Finola², Iban Clares¹

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 Lewis¹, Clare Watt¹, Lily Fletcher¹, Evelyn Murphy¹, Min Jia Chua¹, Gabriel Ferreira², Peter Robinson³, Robbie Ray⁴, Peter Lam¹

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 Lewis¹, Lily Fletcher¹, Ettore Vulcano², Tyler Gonzalez³, Jonathan Kaplan⁴, Robbie Ray⁵, Peter Lam¹

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 Lewis¹, Peter Lam¹, Yousif Alkhalfan², Robbie Ray³

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 Lorenzo¹, Taylor D Schnepf¹, Chase Burzynski², David Vasserman¹, Christina Chapman¹, Ross Groeschl³, Brian Burgess³, **Cary B Chapman¹**

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 Li¹, Mingjie Zhu², Min Zhu², Samuel Stark², Douglas Adams², Kenneth Hunt², **Alastair Younger³**, Mark Myerson², Todd Baldini²

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 Younger¹, Erika Louisville², Valissa Harris²

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 Yee³, Benny Boon Ewe Yeow⁴

1. Hospital Sultanah Bahiyah, Alor Setar, Malaysia

2. International Islamic University Malaysia, Kuantan, Malaysia

3. Kek Lok Si Charitable Hospital, Penang, Malaysia

4. Island 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 Towner¹, Imad Najm¹, **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 Najm¹, Matthew Towner¹, **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 Towner¹, Imad Najm¹, **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 Gutteck¹, **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 Kiriluk¹, Cyrus Anthony Pumilia², Dylan Crawford³, John O'Keefe², Rodrigo Encinas⁴, Moawiah Mustaf², Kevin Murr⁵, J. Benjamin Jackson², Tyler Aaron Gonzalez⁵, **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 Tibiototalcalcaneal Nailing For Complex Hindfoot Deformities: A Technique Tip

Cyrus Anthony Pumilia¹, Sarah Hall Kiriluk², John O'Keefe³, Rodrigo Encinas⁴, Moawiah Mustafa¹, Ettore Vulcano⁵, J. Benjamin Jackson⁶, Christopher Miller⁷, Tyler Gonzalez¹, **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 Kiriluk¹, **Preston Harrison**², Rodrigo Encinas³, John O'Keefe⁴, Moawiah Mustafa⁵, Daniel Scott⁶, Christopher Gross⁷, J. Benjamin Jackson⁴, Tyler Gonzalez⁸

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 Kiriluk¹, **Preston Harrison**², Rodrigo Encinas³, John O'Keefe⁴, Moawiah Mustafa⁵, Daniel Scott⁶, Christopher Gross⁷, J. Benjamin Jackson⁴, Tyler Gonzalez⁸

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 Kiriluk¹, **Preston Harrison**², Rodrigo Encinas³, John O'Keefe⁴, Moawiah Mustafa⁵, Daniel Scott⁶, Christopher Gross⁷, J. Benjamin Jackson⁴, Tyler Gonzalez⁸

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 Kiriluk¹, **Preston Harrison**², Rodrigo Encinas³, John O'Keefe⁴, Moawiah Mustafa⁵, Daniel Scott⁶, Christopher Gross⁷, J. Benjamin Jackson⁴, Tyler Gonzalez⁸

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 Ferreira¹, Daniel Sonnewend Proença¹, Guilherme Ferrari¹, Davy Sevilla Dorado¹, Gustavo Nunes², Mauro Cesar Mattos Dinato³, Thomas Lorchan Lewis⁴, Robbie Ray⁵, Miguel Viana Pereira Filho¹

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 Younger¹, Alasdair Barrie², Oliver Gagne¹, James Ryeburn¹, Murray Penner¹, Shuyuan Li³, Kevin Wing¹, Andrea Veljkovic¹

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 Kiriluk¹, Jonathan Kaplan², Ettore Vulcano³, Oliver N. Schipper⁴, Thomas Lewis⁵, Peter Lam⁶, A. Holly Johnson⁷, J. Benjamin Jackson⁸, Tyler Gonzalez⁹, **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-Urbe^{1,2}, Fernando Alfredo Fernandez-Garza³, David Muñoz-Leija¹, Jorge Gutiérrez-De La O¹, José Felix Vilchez-Cavazos¹, Alejandro Quiroga-Garza¹, Rodrigo E. Elizondo-Omaña¹

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 Comparison Of An All-Lateral Approach To Endoscopic Triple Arthrodesis

Ziyaad Mayet¹, Nazrana Aboo², Ntswe Mofokeng¹

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 Mayet¹, Nazrana Aboo², Ameer Khan³

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 Hintz³, Mario Keko³, Michael Mctague³, **Justin Luk**^{1,2}, Rohith Ryali^{1,2}, Soheil Ashkani-Esfahani^{1,2}, Fernando Raduan³, Christopher P. Miller²



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

129 Percutaneous Fusions In The Hindfoot: Early Outcomes

Imad Najm¹, Mathew Towner¹, **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 Closkey¹, Brett Steineman², Shu-Han Wang³, Scott Ellis³, **Holly Johnson**³, Matthew Conti³

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 Acker¹, Filippo Pierobon¹, Albert Bailez², Theenesh Theyvan¹, Mathieu Assal¹, Victor Dubois-Ferriere¹

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 Dohse¹, Cole Herbel², Jorge Gil³, Tyler Gonzalez⁴, **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 Salomão¹, Eduardo Melo De Castro Moreira¹, Luiz Carlos Ribeiro Lara², **Frederico Pinheiro De Lima**², Lara Furtado Lancia², Nivea Ribeiro Xavier², Leticia Tondato Da Silva Costa², Glaucia Bordignon²

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 Larrakoetxea¹, Josep Torrent², Iban Clares¹, Mariano Finola², Eduard Rabat²

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 Moreno¹, Iñaki Larrakoetxea Intxausti¹, María José Jiménez Jiménez¹, Francesc Anglès Crespo¹, Josep Torrent Gómez²

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 Ferreira¹, Thomas Lorchan Lewis², Kepler Alencar Mendes De Carvalho³, Andreas Toepfer⁴, Miguel Viana Pereira Filho⁵, Noman Siddiqui⁶, Rodrigo Gonçalves Pagnano⁵

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 Efficacy 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 Potocnik¹, **Andreas Toepfer²**

1. *Kantonsspital Graubünden, Klinik für Orthopädie und Traumatologie, Chur, Switzerland*

2. *Health Ostschweiz, Kantonsspital 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 Herbel¹, Ramiro Lopez¹, Jonathan Arias², Alex M Moses², Edward T Haupt¹

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 Newton¹, Samuel Franklin¹, Thomas Lewis², Sanjana Mehrotra¹, Siddhartha Murhekar¹, Vikramman Vignaraja¹, Robbie Ray¹

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 Taki¹, Kazunari Oshima¹, Naohiro Hio²

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 Araya⁶, Ignacio Valderrama¹, 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 Altayo¹, Iñaki Maled¹, Rosa Busquets¹

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 Encinas¹, Sarah Hall Kiriluk², Jack Hardman³, J. Benjamin Jackson⁴, Tyler Gonzalez⁵, Preston Harrison⁴

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 Encinas¹, Sarah Hall Kiriluk², Jack Hardman³, J. Benjamin Jackson⁴, Tyler Gonzalez⁵, Preston Harrison⁴

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 Encinas¹, Sarah Hall Kiriluk², Jack Hardman³, J. Benjamin Jackson⁴, Tyler Gonzalez⁵, **Preston Harrison⁴**

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-Montaña^{1,2}, Alvaro Layseca¹, Patricio Zagal¹

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 Bouffieux, 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, Functional outcomes 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 Rikhranj, 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 Vermorel¹, Jordi Vega², Miquel Dalmau-Pastor³, Francesc Malagelada⁴, Andrea Pantalone⁵, Matteo Guelfi⁶

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 Nunes¹, Tiago Baumfeld², Andre Lemos³, Gabriel Moraes³, Marcelo Prado³, Caio Nery³, Daniel Baumfeld²

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 Nunes¹, Tiago Baumfeld², Matheus Correa², Caio Nery³, Daniel Baumfeld²

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 Avaroma¹, Luciano Torres Sanchez², Lucas Porto Cortines Laxe Martins Da Silva³

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 Forconi¹, Andrea De Fazio², Domenico Sinopoli², **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 Echeverry¹, Camilo Andres Velandia Amaya¹, Francisco Javier García Bermúdez²

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





Thursday 20th November

TARSOPLASTY, REDEFINING LAPIDUS

ROOM 3

13:00h – 14:15h

Moderators: Peter Lam & Robbie Ray

Speakers: Christopher Miller, Tristan Meusnier, Christian Plaas

enovisTM

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

13:15h – 14:30h

Moderator: Nasef Mohamed N. Abdelatif

Arthrex[®]

**Percutaneous 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

Minimally Invasive Techniques for Flatfoot Correction

Andreas Toepfer

The use of NanoNeedle Technology for syndesmotic Injuries

Gino Kerkhoffs



7th International Congress of Foot & Ankle Minimally Invasive Surgery

November 20-22, 2025
Barcelona, Spain

OUR SPONSORS

Platinum



Gold



Silver





EXHIBITION FLOOR MAP

