

# 30<sup>th</sup> ANNUAL MEETING OF THE MUSCULOSKELETAL ULTRASOUND SOCIETY

EUROCAJA RURAL TOLEDO SPAIN

MUSOC  
2022

JUNE 1-4

All information and online registration at:

*Toda la información e Inscripciones en:*

<https://eventos.aymon.es/musoc-toledo-2022/>

## SCIENTIFIC PROGRAM PROGRAMA CIENTÍFICO

Wednesday, 1<sup>st</sup> of June 2022

*Miércoles, 1 de Junio 2022*

08:00 – 09:00 h.      **DELIVERY OF DOCUMENTATION**  
*ENTREGA DE DOCUMENTACIÓN*

**MASTER OF CEREMONY**  
*PRESIDENTE DE LAS SESIONES*  
Marnix van Holsbeeck

09:00 – 09:15 h.      **OPENING SESSION**  
*SESIÓN DE INAUGURACIÓN*  
Michael Di Pietro  
José Antonio Bouffard  
Marnix van Holsbeeck

09:15 – 11:00 h.      **INTRODUCTION AND MISCELLANEOUS**  
*INTRODUCCIÓN Y MISCELÁNEA*  
*Moderator*  
José Antonio Bouffard

09:15 – 09:40 h.      **New developments in MSK US**  
*Nuevos avances en MSK US*  
Marnix van Holsbeeck

09:40 – 10:00 h.      **Shear Wave Elastography Use in MSK Pathology**  
*Uso de la elastografía Shear Wave en patología MSK*  
Iván Quirós Bazán

- 10:00 – 10:20 h.**      **Pediatrics: The DDH Exam**  
*Pediatría: Examen ecográfico de la Displasia de Cadera (DDH)*  
**Michael Di Pietro**
- 10:20 – 10:40 h.**      **Dermatologic ultrasound in MSK pathologies :  
from inside out to outside in**  
*Ultrasonido dermatológico en patologías MSK:  
desde dentro hacia afuera*  
**Fernando Alfageme**
- 10:40 – 11:00 h.**      **Pediatrics: Practice and Pointers**  
*Pediatría: Práctica habitual y consejos*  
**Michael Di Pietro**
- 11:00 – 11:30 h.**      **COFFEE BREAK AT COMMERCIAL EXHIBITS**  
*PAUSA – CAFÉ EN LA EXPOSICIÓN COMERCIAL*
- 11:30 – 19:00 h.**      **SHOULDER**  
*HOMBRO*  
**Moderator**  
**Michael Di Pietro**
- 11:30 – 11:50 h.**      **Ultrasound in rheumatology : guidelines for examination**  
**Ultrasonido en reumatología: pautas para un examen correcto**  
**Jacqueline Usón**
- 11:50 – 12:10 h.**      **Shoulder Impingement: Types and Radiologic Assessment**  
*Atrapamiento del hombro: tipos y evaluación radiológica*  
**Iván Quirós Bazán**
- 12:10 – 12:30 h.**      **Arthroscopic view of US lesions (incl.pitfalls)**  
*Visión artroscópica de las lesiones ecográficas*  
**Patricia Kolowich**
- 12:30 – 12:50 h.**      **Posterior shoulder evaluation –Capsule-labral complex and extra-  
articular pathologies**  
*Evaluación posterior del hombro: lesiones del complejo cápsulo-labral  
y patologías extraarticulares*  
**Nidhi Bhatnagar and Ankit B. Shah**
- 12:50 – 13:10 h.**      **Sonography of the post-operative rotator cuff**  
*Ecografía del manguito rotador postoperado*  
**Nirvikar Dahiya**

**13:10 – 13:30 h.**      **Sono evaluation of adhesive capsulitis and high volume injection therapy**  
*Sono evaluación de la capsulitis adhesiva y tratamiento ecoguiado mediante inyección de alto volumen*  
**Nidhi Bhatnagar and Joban Babhulkar**

**13:30 – 14:30 h.**      **LUNCH**  
**COMIDA**

**14:30 – 15:00 h.**      **Live Demonstration Shoulder, elbow and hand and wrist**  
*Demostración en vivo del hombro, codo, mano y muñeca*  
**Eugenio Cerezo**

**15:00 – 18:00 h.**      **HANDS ON WORKSHOP: SHOULDER, ELBOW AND HAND AND WRIST**  
*TALLER: HOMBRO, CODO Y MANO Y MUÑECA*

Senior Faculty and Junior faculty

**Germán Arancibia**

**Iván José Ardines**

**Caicoya**

**Joban Ashish**

**Babhulkar**

**Ankit B. Shah**

**José Antonio Bouffard**

**Eugenio Cerezo López**

**Nirvikar Dahiya**

**Miguel Jiménez**

**Henry Goitz**

**Phil O'Connor**

**Philippe Peetrons**

**Jose Luis Pérez Navarro**

**Iván Quirós Bazán**

**Richard A. Scheuring**

**Jacqueline Usón**

**Marnix van Holsbeeck**

**Gerardo Villa**

**18:00 – 19:00 h.**      **SELF TRAINING**  
*AUTO-ENTRENAMIENTO*  
**Junior Faculty**

**Thursday, 2<sup>nd</sup> of June 2022**

*Jueves, 2 de Junio 2022*

**MASTER OF CEREMONY**

*PRESIDENTE DE LAS SESIONES*

**José Antonio Bouffard**

**08:00 – 09:00 h.**      **ORAL COMMUNICATIONS**  
*COMUNICACIONES ORALES*

*President*

**Marnix van Holsbeeck**

*Moderator*

**Iván José Ardines Caicoya**

### *Collaborators*

Gerardo Villa and Javier Abián

- 08:00 – 08:10 h.      **Ultrasound-Guided percutaneoustenotomy of the long head of the biceps: A Treatment in Low Demand Patients or Patients aged 78 years and older**  
Blum, Carlos; Barros, Santiago; Mariscal, Walter; Lopez, Nathalie (M.03)
- 08:10 – 08:20 h.      **High resolution ultrasound evaluation of normal anterior cruciate ligament**  
Pawar, Samragini; Pawar, Kirti (M.04)
- 08:20 – 08:30 h.      **PENG block in coxalgia**  
Alarcón Mora, Luis Eduardo; Acosta Rueda, Jerónimo; Román Malo, Carmen (M.06)
- 08:30 – 08:40 h.      **Ultrasound Imaging of Schwanommas. Can the splitting of fat be an important sign?**  
Shah, Mohit Veerkumar; Deka, Jeena Bordoloi (\*); Shah, Ritu; Deka Nilim. (M.16)
- 08:40 – 08:50 h.      **Rectus femoris stiffness during an incremental isometric strength test**  
Bravo-Sánchez, Alfredo; Abián, Pablo; Curtin, Patricia; Ramírez-de laCruz, María; Jiménez-Díaz, José Fernando; Abián-Vicén, Javier. (M.13)
- 08:50 – 09:00 h.      **BREAK**  
DESCANSO
- 09:00 – 10:30 h.      **ELBOW, HAND AND WRIST**  
*CODO, MANO Y MUÑECA*  
**Moderator**  
Philippe Peetrons
- 09:00 – 09:20 h.      **Differential diagnosis of epicondylopathies**  
*Diagnóstico diferencial de las epicondilopatías*  
Iván José Ardines Caicoya
- 09:20 – 09:40 h.      **Ultrasound approach to the flexor pulleys**  
*Aproximación por ultrasonido a las poleas flexoras*  
Javier Ferreira Vilanova
- 09:40 – 10:00 h.      **Surgery of the elbow: what is relevant for imaging**  
*Cirugía del codo: lo que es relevante por la imagen*  
Patricia Kolowich

**10:00 – 10:30 h.**      **Carpal tunnel syndrome and injuries of peripheral nerves in wrist and elbow**  
*Síndrome del túnel carpiano y lesiones de los nervios periféricos en la muñeca y el codo*  
**Javier Ferreira Vilanova**

**10:30 – 11:00 h.**      **COFFEE BREAK AT COMMERCIAL EXHIBITS**  
*PAUSA – CAFÉ EN LA EXPOSICIÓN COMERCIAL*

*>> EXHIBITION OF SCIENTIFIC POSTERS*

**President:**

**Marnix van Holsbeeck**  
**Scientific Committee**

Targeting the myofascial injection site for treatment of achilles tendinosis by comparing the length of the achilles tendon and hand span  
**Yeong-Min Yoo, Kyung-Hoon Kim. M.01**

Ultrasound-guided botulinum toxin injection into the piriformis muscle while performing a flexion-adduction-internal rotation test  
**Min-Woo Chung, Kyung-Hoon Kim. M.02**

Injuries incidence in professional male soccer players in ecuador diagnosed using imaging studies, from february to september in 2021  
**Blum, Carlos; López, Nathalie. M.05**

Ultrasound-guided surgery for lateral snapping hip: a novel ultraminimally invasive technique  
**Noriega Matanza, Concha, Villanueva Martínez, Manuel; Iborra Marcos, Alvaro, Sanz Ruiz, Pablo. M.07**

Ultrasound-guided release for iliotibial band syndrome: a novel ultraminimally invasive surgical procedure  
**Noriega Matanza, Concha; Villanueva Martínez, Manuel; Iborra Marcos, Álvaro; Rodríguez Fabián, Guillermo. M.08**

Sonographic findings of recurrent proliferative fasciitis: a case report  
**Chavarría Elizondo, AP; Chavarría Estrada, LF. (M.17)**

**11:00 – 19:00 h.**      **HIP, MUSCLE AND NERVE**  
*CADERA, MÚSCULO Y NERVIOS*  
**Moderator**  
**Marnix van Holsbeeck**

**11:00 – 11:20 h.**      **Proper place of ultrasound in the hip clinic?**  
*¿Cuál es el lugar adecuado de la ecografía en la clínica de la cadera?*  
**Marnix van Holsbeeck**

- 11:20 – 11:40 h.**      **Greater trochanteric pain syndrome**  
*Síndrome doloroso del trocánter mayor*  
**José Antonio Bouffard**
- 11:40 – 12:00 h.**      **Ultrasound of the normal postoperative findings, postsurgical complications in hip injuries**  
*Ecografía de los hallazgos postoperatorios normales y de las complicaciones posquirúrgicas en lesiones de cadera*  
**Nirvikar Dahiya**
- 12:00 – 12:20 h.**      **Ultrasound of Nerve Entrapment: Upper Extremity**  
*Ecografía del atrapamiento nervioso: extremidad superior*  
**Jon A. Jacobson (Online)**
- 12:20 – 12:40 h.**      **Deep gluteal Syndrome**  
*Síndrome del glúteo profundo*  
**Alejandro Ortega Romero**
- 12:40 – 13:00 h.**      **Ultrasound of Nerve Entrapment: Lower Extremity**  
*Ecografía del atrapamiento nervioso: extremidad inferior*  
**Phil O'Connor**
- 13:00 – 13:30 h.**      **Clinical Cases show**  
*Demostración de casos clínicos*  
**Senior Faculty**
- 13:30 – 14:30 h.**      **LUNCH**  
*COMIDA*
- 14:30 – 15:00 h.**      **Live Demonstration Hip**  
*Demostración en vivo de la cadera*  
**Marnix van Holsbeeck**
- 15:00 – 15:30 h.**      **Live Demonstration Knee**  
*Demostración en vivo de la rodilla*  
**José Antonio Bouffard**
- 15:30 – 18:00 h.**      **HANDS ON WORKSHOP: HIP AND KNEE**  
*TALLER: CADERA Y RODILLA*  
Senior Faculty and Junior Faculty
- |                                |                                |
|--------------------------------|--------------------------------|
| <b>Germán Arancibia</b>        | <b>Henry Goitz</b>             |
| <b>Iván J. Ardines Caicoya</b> | <b>Phil O'Connor</b>           |
| <b>Pedro Bernáldez</b>         | <b>Philippe Peetrons</b>       |
| <b>Jeena Bordoloi Deka</b>     | <b>Jose Luis Pérez Navarro</b> |
| <b>Nidhi Bhatnagar</b>         | <b>Iván Quirós Bazán</b>       |
| <b>José Antonio Bouffard</b>   | <b>Richard A. Scheuring</b>    |
| <b>Eugenio Cerezo López</b>    | <b>Jacqueline Usón</b>         |
| <b>Nirvikar Dahiya</b>         | <b>Gerardo Villa</b>           |
| <b>Miguel Jiménez</b>          | <b>Marnix van Holsbeeck</b>    |

18:00 – 19:00 h. **SELF TRAINING**  
*AUTO-ENTRENAMIENTO*  
Junior Faculty

Friday, 3<sup>rd</sup> of June 2022

*Viernes, 3 de Junio 2022*

**MASTER OF CEREMONY**  
*PRESIDENTE DE LAS SESIONES*  
Michael Di Pietro

08:00 – 09:00 h. **ORAL COMMUNICATIONS**  
*COMUNICACIONES ORALES*  
**President**  
José Antonio Bouffard  
**Moderator**  
Carlos de Teresa  
**Collaborators**  
Gerardo Villa and Javier Abián

08:00 – 08:10 h. Treatment of calcific tendinopathy of the rotator cuff with barbotage technique plus platelet-rich plasma  
Bernáldez Domínguez, Pedro; Fernández-Bravo Rueda, Almudena; Dallo Lazzarini, Ignacio. (M.23)

08:10 – 08:20 h. Anterior approach ultrasound guided hydrodistension for adhesive capsulitis  
Fernández-Bravo Rueda, Almudena; Bernáldez Domínguez, Pedro; De Acha Esteve, José Luis; Pérez-Cuesta Llaneras, María; Fernández López, Ana. (M.26)

08:20 – 08:30 h. Glenohumeral joint hydrodilatation of adhesive capsulitis of the shoulder  
Alarcón Mora, Luis Eduardo; Acosta Rueda, Jerónimo; Román Malo, Carmen; Bautista Troncoso, Julián. (M.09)

08:30 – 08:40 h. Role of High Resolution Ultrasound in Peripheral Nerve Trauma  
Shah, Mohit Veerkumar(\*); Shah, Ritu. (M.19)

- 08:40 – 08:50 h.** Shear Wave Elastography to assess patellar tendon stiffness during an isometric test  
Bravo-Sánchez, Alfredo; Abián, Pablo; Esteban-García, Paula; Ramírez-de la Cruz, María; Jiménez Díaz, José Fernando; Abián-Vicén, Javier. (M.21)
- 08:50 – 09:00 h.** Ultrasound-guided excision of an infrapatellar bone fragment through a surgical incision  
Ramírez Haua, Jorge; Barastegui Fernández, David; Alentorn Geli, Eduard; Álvarez Díaz, Pedro; Cugat Bertomeu, Ramon; Steinbacher, Gilbert. (M.30)
- 09:00 – 10:30 h.** **KNEE AND LEG**  
*RODILLA Y PIERNA*  
**Moderator**  
Carlos de Teresa
- 09:00 – 09:20 h.** **MSK US in space!**  
*MSK US en el espacio!*  
Richard A. Scheuring
- 09:20 – 09:40 h.** **Sono evaluation of knee pathologies: OA, beyond knee effusions and ultrasound in ACL pathologies**  
*Ecografía de la rodilla: osteoartritis, otros derrames articulares y lesiones del ligamento cruzado anterior*  
Jeena Bordoloi and Satheesh Pawar
- 09:40 – 10:00 h.** **Update of US applications in knee tendon injuries**  
*Actualización de las aplicaciones ecográficas en las lesiones tendinosas de la rodilla*  
Iván José Ardines Caicoya
- 10:00 – 10:30 h.** **Leg injuries: not everything is tennis leg**  
*Lesiones en el tríceps sural: no todo es tennis leg*  
Fernando Jiménez Díaz
- 10:30 – 11:00 h.** **COFFEE BREAK AT COMMERCIAL EXHIBITS**  
*PAUSA – CAFÉ EN LA EXPOSICIÓN COMERCIAL*
- >> EXHIBITION OF SCIENTIFIC POSTERS**  
**President:**  
José Antonio Bouffard  
Scientific Committee
- Hand ultrasound patterns during rheumatoid arthritis evolution  
Díaz Lopez, Ramiro S; Beladrich, Maria Romina. M.22



Musculoskeletal alterations determined by ultrasonography and their relationship with vascular changes evaluated by spectral doppler analysis in patients

**Márquez Rodríguez, Reinaldo Luis; Gutiérrez Naharro, Eva María. M.24**

Ultrasound evaluation of entheses in patients with clinical suspicion of spondyloarthropathy

**Ana Laura Álvarez del Castillo Araujo; Rincón Narváez, Sandra Chris; García Bernal, Ana Gabriela; Gómez-Ruiz, Citlallyc Josefina. M.27**

Case report: injury of the lateral intermediate femoral septum as a cause of lateral hip pain

**Jiménez Fermín, Miguel; Santos Sánchez, José Ángel; Villa Vicente, José Gerardo; Pérez Navarro, José Luis; Urraca Fernández, José María; Jiménez Díaz, José Fernando. M. 28**

Ultrasound evaluation of lower limb muscle architecture in children and young people with down's syndrome

**Esteban-García, Paula; Bravo-Sánchez, Alfredo; Ramírez-de la Cruz, María; Curtin, Patricia; Abián-Vicén, Javier; Jiménez Díaz, José Fernando. M.31**

**11:00 – 19:00 h.**

## **FOOT AND ANKLE**

*PIE Y TOBILLO*

*Moderator*

**Eugenio Cerezo López**

**11:00 – 11:20 h.**

### **Achilles' Tendon Insertional Variants and their Clinical Relevance**

*Variantes de la inserción del tendón de Aquiles y su relevancia clínica*

**Iván Quirós Bazán**

**11:20 – 11:40 h.**

### **Masses and tumors in the foot**

*Ecografía de las masas y tumores en el pie*

**Sandra Allison (Online)**

**11:40 – 12:00 h.**

### **Ultrasound of the lateral ligament complex of the ankle**

*Ecografía del complejo del ligamento lateral externo del tobillo*

**Phil O'Connor**

**12:00 – 12:20 h.**

### **Imaging of plantar fascia disorders**

*Imagen US de los trastornos de la fascia plantar*

**Ferdinando Draghi**

**12:20 – 12:40 h.**

### **Ultrasound of Morton neuroma and other foot injuries**

*Ecografía del neuroma de Morton y de otras lesiones del pie*

**Ankit B. Shah**

**12:40 – 13:00 h.**      **Ultrasound peri-articular ankle tendon disease**  
*Sonología de las enfermedades tendinosas periarticulares del tobillo*  
**Phil O'Connor**

**13:00 – 13:30 h.**      **Sonography of the Achilles Tendon After Complete Rupture Repair**  
*Ecografía de la rotura completa del tendón de Aquiles reparado*  
**Ferdinando Draghi**

**13:30 – 14:30 h.**      **LUNCH**  
*COMIDA*

**14:30 – 15:00 h.**      **Live Demonstration Foot and Ankle**  
*Demostración en vivo del pie y del tobillo*  
**José Antonio Bouffard**  
**Fernando Jiménez Díaz**

**15:00 – 17:00 h.**      **HANDS ON WORKSHOP: FOOT AND ANKLE**

*TALLER: PIE Y TOBILLO*

Senior Faculty and Junior faculty

**Germán Arancibia**

**Iván J. Ardines Caicoya**

**Pedro Bernáldez**

**Ferdinando Draghi**

**Eugenio Cerezo López**

**Nirvikar Dahiya**

**Miguel Jiménez**

**Henry Goitz**

**Phil O'Connor**

**Satheesh Pawar**

**Philippe Peetrons**

**Jose Luis Pérez Navarro**

**Iván Quirós Bazán**

**Mohit Shah**

**Richard A. Scheuring**

**Jacqueline Usón**

**Marnix van Holsbeeck**

**Gerardo Villa**

**17:00 – 19:00 h.**      **INTERVENTIONAL PRACTICES FROM THE OPERATING ROOM (STREAMING)**  
*RETRANSMISIÓN DE INTERVENCIONES ECO-GUIADAS DESDE EL QUIRÓFANO  
DEL HOSPITAL LABORAL SOLIMAT (STREAMING)*

**20:30 – 23:30 h.**      **GALA DINNER: EUROSTARS PALACIO BUENAVISTA HOTEL**  
*CENA DE GALA: HOTEL EUROSTARS PALACIO BUENAVISTA*

Saturday, 4<sup>th</sup> of June 2022

Sábado, 4 de Junio 2022

**MASTER OF CEREMONY**

*PRESIDENTE DE LAS SESIONES*

**Philippe Peetrons**

**08:00 – 09:00 h.**

**ORAL COMMUNICATIONS**

*COMUNICACIONES ORALES*

*President*

**Philippe Peetrons**

*Moderator*

**Javier Ferreira Vilanova**

*Collaborators*

**Gerardo Villa and Javier Abián**

**08:00 – 08:10 h.**

**Role of High-Resolution Ultrasound in the Evaluation of Lateral Dislocation of Patella**

**Shah, Mohit Veerkumar (\*); Deka, Jeena Bordoloi; Shah, Ritu; Deka, Nilim. (M.20)**

**08:10 – 08:20 h.**

**Marjolin's Ulcer – Role of high resolution musculoskeletal ultrasound in its management**

**Deka, Jeena Bordoloi; Shah, Mohit Veerkumar; Shah, Ritu; Sharma, Rajen; Deka, Nilim. (M.14)**

**08:20 – 08:30 h.**

**Radial tunnel syndrome secondary to radiocapitellar synovial cyst: pseudo epicondylitis**

**Pérez Rivaes, M Carmen; Pinto, Javier A; Pujol Castellnou, Carme, Figueras Batet, Meritxell; Peralta Gonzalez, Paula. (M.25)**

**08:30 – 08:40 h.**

**Distal intersection syndrome - role of high resolution ultrasound imaging in diagnosis**

**Deka, Jeena Bordoloi; Shah, Mohit Veerkumar; Shah, Ritu; Deka Nilim. (M.15)**

**08:40 – 08:50 h.**

**Contribution of ultrasound in complete hamstring desinsertions**

**Pérez-Navarro, José Luis; Jiménez Fermín, Miguel; Villa Vicente, José Gerardo; Ríos Luna, Antonio; Fahandezh Saddi, Homid; Jimenez Díaz, José Fernando. (M.29)**

- 08:50 – 09:00 h.**      **BREAK**  
DESCANSO
- 09:00 – 10:30 h.**      **SPINE AND NERVE BLOCKS**  
*BLOQUEOS DE LA COLUMNA Y NERVIOS PERIFERICOS*  
**Moderator**  
**Kyung-Hoon Kim**
- 09:00 – 09:20 h.**      **Ultrasound guided lumbar spine approaches**  
*Abordajes de la columna lumbar guiados por ultrasonido*  
**Vicente Roqués Escolar**
- 09:20 – 09:40 h.**      **How to Do It: Shoulder Articular Nerve Blockade an  
Radiofrequency Ablation**  
*Bloqueo del nervio articular del hombro o ablación por  
radiofrecuencia: ¿Cómo hacerlo?*  
**Alejandro Ortega Romero**
- 09:40 – 10:00 h.**      **Ultrasound guided cervical and thoracic spine approaches**  
*Abordajes en la columna cervical y torácica guiados por ultrasonido*  
**Vicente Roqués Escolar**
- 10:00 – 10:30 h.**      **Effects of Geniculars Nerve Block in Knee Osteoarthritis**  
*Efectos del bloqueo del nervio geniculado en la osteoartritis de rodilla*  
**Alejandro Ortega Romero**
- 10:30 – 11:00 h.**      **COFFEE BREAK AT COMMERCIAL EXHIBITS**  
*PAUSA – CAFÉ EN LA EXPOSICIÓN COMERCIAL*
- 11:00 – 18:00 h.**      **ECHO GUIDED THERAPIES**  
*TERAPIAS ECO-GUIADAS*  
**Moderator**  
**Henry Goitz**
- 11:00 – 11:20 h.**      **Ultrasound-guided therapeutic protocol in MSK lesions:  
Corticosteroids, hyaluronic, PRP, collagen**  
*Protocolo terapéutico ecoguiado en lesiones músculoesqueléticas:  
corticoides, hialurónico, PRP, colágeno etc.*  
**Philippe Peetrons**
- 11:20 – 11:40 h.**      **Sonography before and after carpal tunnel release**  
*Ecografía antes y después de la liberación del túnel carpiano*  
**Ferdinando Draghi**

- 11:40 – 12:00 h.**      **Tendon sheet, bursa and paratenon interventions**  
*Intervenciones eco-dirigidas sobre las vainas tendinosas, bursas y paratendón*  
**Philippe Peetrons**
- 12:00 – 12:20 h.**      **Interventional Musculoskeletal Ultrasound: Common Applications**  
*Ecografía musculoesquelética intervencionista: aplicaciones más frecuentes*  
**Jon A. Jacobson (Online)**
- 12:20 – 12:40 h.**      **Calcific tendinopathy & US-guiding intervention of the shoulder**  
*Tendinopatía calcificante e intervención guiada por ecografía del hombro*  
**Sandra Allison (Online)**
- 12:40 – 13:00 h.**      **Echo-guided approach to nerve compression syndromes: Extra and intraneural treatment**  
*Abordaje ecoguiado de los síndromes de compresión nerviosa: tratamiento extra e intraneural*  
**Mikel Sánchez**
- 13:00 – 13:30 h.**      **Discussion**  
*Discusión*

**13:30 – 15:00 h.**      **LUNCH**  
*COMIDA*

**15:00 – 18:00 h.**      **HANDS ON WORKSHOP: ECHOGUIDED INTERVENTIONS**

*TALLER: INTERVENCIONES ECO – GUIADAS*

Senior Faculty and Junior faculty

**Germán Arancibia**  
**Iván J. Ardines Caicoya**  
**Nidhi Bhatnagar**  
**José Antonio Bouffard**  
**Javier Ferreira**  
**Ferdinando Draghi**  
**Eugenio Cerezo López**  
**Miguel Jiménez**  
**Henry Goitz**

**Phil O'Connor**  
**Philippe Peetrons**  
**Jose Luis Pérez Navarro**  
**Iván Quirós Bazán**  
**Vicente Roqués Escolar**  
**Richard A. Scheuring**  
**Marnix van Holsbeeck**  
**Gerardo Villa**

**18:00 – 18:30 h.**      **AWARDS**  
*PREMIOS*

**18:30 h.**      **CLOSING SESSION**  
*CLAUSURA*

*Sponsor:*



GE Healthcare

***MODERATORS AND SPEAKERS***

**Fernando Alfageme**

Dermatology Specialist  
Hospital U. Puerta de Hierro Majadahonda  
Madrid, Spain

**Iván José Ardines Caicoya**

Orthopedic Surgery and Traumatology Specialist  
San Roque Clinic and Physio Consulting Clinic  
Las Palmas de Gran Canaria, Spain

**Joban Ashish Babhulkar**

Radiology Specialist  
Deenanath Mangeshkar Hospital  
Pune, Maharashtra, India

**Nidhi Bhatnagar**

Radiology Specialist  
Heading Radiology Department of Mata Devi Hospital  
Max Hospital, Panchsheel  
New Delhi, India

**Jeena Bordoloi Deka**

Radiology Specialist  
Dispur Polyclinic & Hospitals Pvt Ltd.  
Guwahati, Assam, India

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