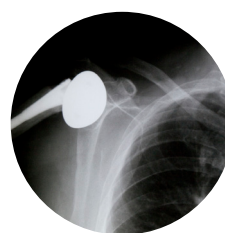
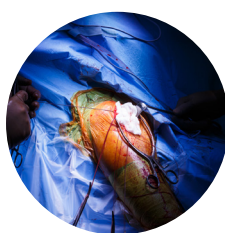




# 4th Madrid shoulder course

NOVEMBER 21 - 23 | 2024

Chairmen: Samuel Antuña · Emilio Calvo · Fernando Marco



[www.madridshouldercourse.com](http://www.madridshouldercourse.com)



Organized by

SCIENTIFIC PROGRAM





4th Madrid  
shoulder course



NOVEMBER 21 - 23 | 2024

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## 4th Madrid shoulder course



# Welcome letter

Dear friends,

As part of our continuing effort to spread the knowledge on shoulder surgery, we are delighted to present to you the 4th edition of the Madrid Shoulder Course (MSC24).

The MSC2024 will take place from November 21st to 23rd 2024 in downtown Madrid. We have structured a great comprehensive program, full of fresh knowledge covering state of the art surgical techniques. We have already confirmed an outstanding faculty panel, all of them are internationally recognized experts and opinion leaders on shoulder surgery. MSC is already consolidated as an enjoyable and profitable meeting for delegates with a wide range of knowledge in shoulder surgery.

During these three days, a large number of scientific and technical controversies will be covered. Our intention is to designate specific time slots for symposium and workshops to cover surgical procedures and hot topics. Delegates will have the chance of presenting their cases and there will be a significant amount of time devoted to discussion.

We are now finishing the final program which will be always updated on our web page [www.madridshouldercourse.com](http://www.madridshouldercourse.com). Have a look and you will immediately understand why you cannot miss the dates.

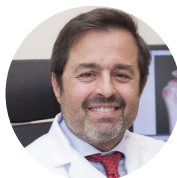
Welcome to Madrid !!

Best Regards,

### Local Organizing Committee



**Samuel Antuña**  
Hospital Universitario  
La Paz  
(Spain)



**Emilio Calvo**  
Fundación  
Jiménez Díaz  
(Spain)



**Fernando Marco**  
Hospital Clínico  
San Carlos  
(Spain)



# 4th Madrid shoulder course



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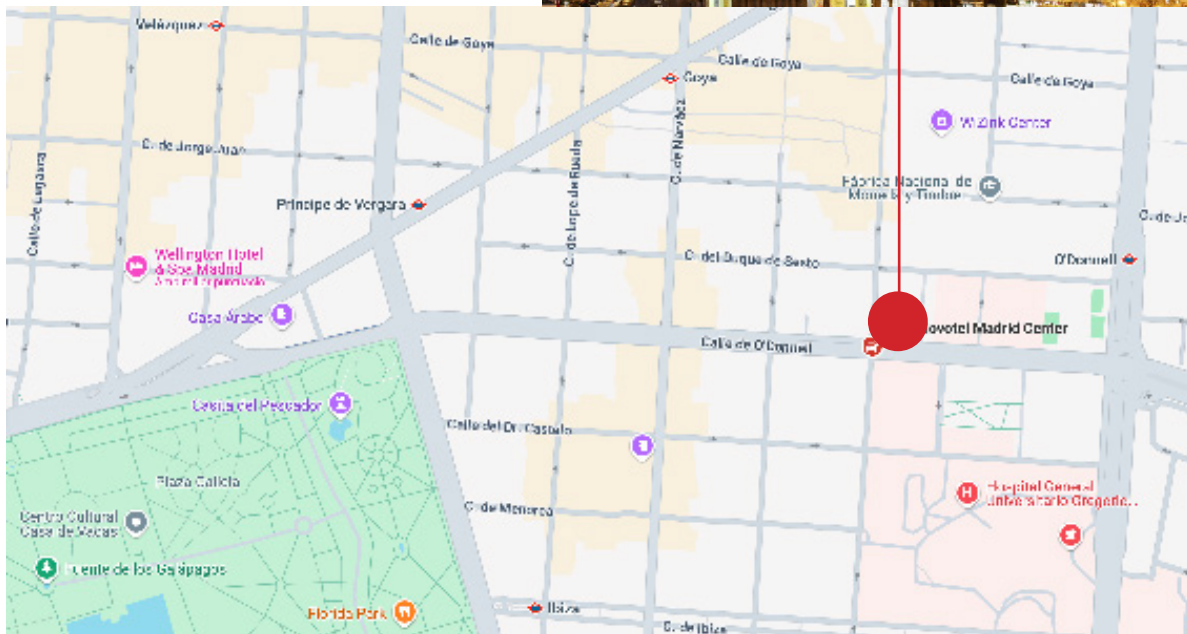
## General information

### Venue

#### Novotel Madrid Center

Calle O'Donnell, 53, 28009 Madrid

[WEBSITE \(CLICK HERE\)](#)



### Registration fees

#### Before October 1st

Standard 650€

Trainee\* 350€

#### After October 2nd

Standard 750€

Trainee\* 400€

\*Trainees must present a document proving their current situation.

21% Spanish VAT included

### Accommodation

#### Novotel Madrid Center

Calle O'Donnell, 53, 28009 Madrid

Single Room: 240€

VAT included

Bed and Breakfast included





# 4th Madrid shoulder course



## General information

### Website

[www.madridshouldercourse.com](http://www.madridshouldercourse.com)



### Technical Secretariat

**TORRESPARDO**  
Association Management

Desirée Muñoz

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Nàpols 187, 2º - 08013 Barcelona

Tel. +34 93 246 35 66

[www.torrespardo.com](http://www.torrespardo.com)

### REGISTRATION

Only through the Event website  
[www.madridshouldercourse.com](http://www.madridshouldercourse.com)

#### Registration:

Opens:

April 1st 2024

Deadline early bird registration:

October 1st 2024

### WIRELESS INTERNET ACCESS

WiFi Internet access area will be available  
at the Event

### EXHIBITION

Access to the exhibition is free for registered  
participants.

### LUNCH AND REFRESHMENTS

Lunches are included in the participants'  
registration fee. Coffee, tea will be available in  
the exhibition area during the breaks.

### LIABILITY

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

### LETTER OF INVITATION

Upon request, the Local Organising Committee  
will be pleased to send a personal letter of  
invitation to registered participants so as to  
enable participants to obtain visas for attending  
the Event. These invitation letters cannot be  
considered as an offer of financial support by  
the organisers and will only be provided to  
registered participants once the payment has  
been received.



# 4th Madrid shoulder course



NOVEMBER 21 - 23 | 2024

## Faculty



**Joseph Abboud**  
USA



**Samuel Antuña**  
Spain



**Raúl Barco**  
Spain



**Juan Bruguera**  
Spain



**Emilio Calvo**  
Spain



**Eduardo Carpinteiro**  
Portugal



**Carlos Cobiella**  
UK



**Peter Cole**  
USA



**Cristina Delgado**  
Spain



**Bassem Elhassan**  
USA [Remote Speaker]



**Mark Frankle**  
USA [Remote Speaker]



**Antonio Foruria**  
Spain



**Carlos García**  
Spain



**Abdul-ilah Hachem**  
Spain



**Laurent Lafosse**  
France



**Yaiza López**  
Spain



# 4th Madrid shoulder course



## Faculty



**Gonzalo Luengo**  
Spain



**Fernando Marco**  
Spain



**Natalia Martínez**  
Catalán  
Spain



**Giuseppe Milano**  
Italy



**Álvaro Minuesa**  
Spain



**Phillip Moroder**  
Switzerland



**Marta Navarro**  
Spain



**Gia Rodriguez  
Vaquero**  
Spain



**Miguel Angel  
Ruiz Iban**  
Spain



**Carlos Torrens  
Canovas**  
Spain



**Pablo Vadillo**  
Spain



**Maria Valencia**  
Spain



**Alfonso Vaquero**  
Spain



**Olivier Verborgt**  
Belgium



**Joseph Zuckermann**  
USA [Remote Speaker]



## Program at a glance

### Thursday, November 21st | Convención Room

|             |                        |  |              |
|-------------|------------------------|--|--------------|
| 07:45-08:00 | Welcome                |  |              |
| 08:00-09:00 | Reconstructive surgery | Shoulder arthroplasty I                              | Update       |
| 09:00-10:00 |                        | Dual screen live surgery                             | Live Surgery |
| 10:00-10:30 | Coffee break           |  |              |
| 10:30-11:30 | Reconstructive surgery | Shoulder arthroplasty II                             | Update       |
| 11:30-12:30 |                        | Shoulder arthroplasty III                            | Update       |
| 12:30-12:46 |                        | Shoulder arthroplasty IV                             | Update       |
| 12:46-13:15 | Reconstructive surgery | Invited Guest Lecture                                | Keynote      |
| 13:15-14:15 | Lunch Break            |  |              |
| 14:15-15:15 | Trauma                 | Acute Proximal Humerus fractures (PHF)               | Update       |
| 15:15-16:15 |                        | Problems after PHF & special situations in GH trauma | Update       |
| 16:15-16:45 | Coffee break           |  |              |
| 16:45-17:45 | Trauma                 | Trauma of the scapula                                | Update       |
| END OF DAY  |                        |  |              |





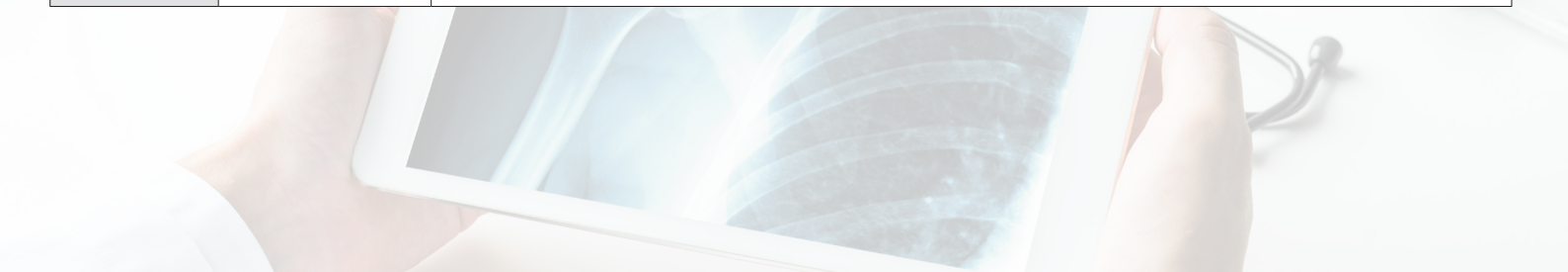
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## Program at a glance

| Friday, November 22nd   Convención Room |                    |   |              |
|---|--------------------|---|--------------|
| 08:00-09:00                             | <b>Trauma</b>      | The clavicle & ACJ injuries                               | Update       |
| 09:00-10:00                             | <b>Arthroscopy</b> | Dual screen live surgery                                  | Live Surgery |
| 10:00-10:30                             | Coffee break       |   |              |
| 10:30-11:30                             | <b>Arthroscopy</b> | Rotator cuff and subacromial problems                     | Update       |
| 11:30-12:10                             |                    | Massive irreparable rotator cuff tears                    | Update       |
| 12:10-13:10                             |                    | Shoulder instability                                      | Update       |
| 13:10-13:40                             | <b>Arthroscopy</b> | Invited Guest Lecture                                     | Keynote      |
| 13:40-14:40                             | Lunch Break        |   |              |
| 14:40-15:30                             | <b>Arthroscopy</b> | Complex and Revision Problems in Shoulder Sports Medicine | Update       |
| 15:30-16:30                             |                    | Dual screen live surgery                                  | Live Surgery |
| 16:30-17:00                             | Coffee break       |   |              |
| 17:00-17:30                             | <b>Arthroscopy</b> | Invited Guest Lecture                                     | Keynote      |
| 17:30-18:00                             | <b>Arthroscopy</b> | The scapula   | Update       |
| 18:00-18:30                             | Closing remarks    |   |              |

| Saturday, November 23rd   Caracas-La Paz-Bahía Rooms |   |
|--|---|
| 09:00-12:30  |  <p><b>POST-COURSE SESSION<br/>BRING YOUR CASES!</b></p> |





## Thursday, November 21st | Convención Room

07:45-08:00 Welcome

### RECONSTRUCTIVE SURGERY

08:00-09:00

#### SHOULDER ARTHROPLASTY I

**Moderators:** Alfonso Vaquero & Joseph Abboud

- 08:00-08:08 Preoperative planning:  
Understanding its benefits  
*Raúl Barco*
- 08:08-08:16 The importance of lateralization in  
RSA  
*Mark Frankle [Remote Speaker]*
- 08:16-08:24 Why and when I prefer anatomic TSA  
*Olivier Verborgt*
- 08:24-08:32 Why consideration of patient  
posture is important for RTSA?  
*Philipp Moroder [Remote Speaker]*
- 08:32-08:40 The glenoid in RSA: how to get it  
right  
*Olivier Verborgt*
- 08:40-09:00 Questions & Answers  
Panel Discussion

09:00-10:00

#### DUAL SCREEN LIVE SURGERY

**Moderators:** Carlos Torrens & Laurent Lafosse

- Reverse Shoulder Arthroplasty  
*Marta Navarro*
- Rotator cuff tear repair with long head of the bi-  
ceps augmentation  
*Álvaro Minuesa*

10:00-10:30

Coffee break



10:30-11:30

#### SHOULDER ARTHROPLASTY II

**Moderators:** Juan Bruguera & Carlos Torrens

- 10:30-10:38 Stemless reverse shoulder  
arthroplasty  
*Raúl Barco*

10:38-10:46

Biceps Subscapularis Augmentation.  
Technique And Short Term Results  
In Anatomic Shoulder Replacement  
*Joseph Abboud*

10:46-10:54

What influence has liner design in  
outcome of RSA?

*Philipp Moroder [Remote Speaker]*

10:54-11:02

Addressing glenoid bone loss in RSA  
*María Valencia*

11:02-11:10

Addressing humeral bone loss  
*Mark Frankle [Remote Speaker]*

11:10-11:30

Case discussion brought by  
moderators

11:30-12:30

#### SHOULDER ARTHROPLASTY III

**Moderators:** Raul Barco & Olivier Verborgt

- 11:30-11:38 Soft tissue management in RSA:  
How to obtain a stable and mobile  
prosthesis  
*Joseph Abboud*
- 11:38-11:46 The infected shoulder arthroplasty  
*Miguel Ángel Ruiz Iban*
- 11:46-11:54 Salvage of failed reverse shoulder  
arthroplasty: Principles of treatment  
*Fernando Marco*
- 11:54-12:02 Tuberosity healing in RSA for fractures  
*Abdul-ilah Hachem*
- 12:02-12:10 What are the differences among RTSA?  
*Carlos Torrens*
- 12:10-12:30 Case discussion brought by  
moderators

12:30-13:15

#### SHOULDER ARTHROPLASTY IV

**Moderators:** María Valencia & Fernando Marco

- 12:30-12:38 Robotics and virtual reality in  
shoulder replacement  
*Olivier Verborgt*
- 12:38-12:46 Navigation assisted RSA:  
does it still play a role?  
*Alfonso Vaquero*
- 12:46-12:51 Discussion



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## Thursday, November 21st | Convención Room

12:46-13:15

### INVITED GUEST LECTURE

What I Have Learnt In Shoulder Arthroplasty In The Last 30 Years  
*Joseph Zuckermann [Remote Speaker]*

13:15-14:15

Lunch Break

## TRAUMA

14:15-15:15

### ACUTE PROXIMAL HUMERUS FRACTURES (PHF)

**Moderators: Pablo Vadillo & Olivier Verbogt**

- 14:15-14:23 PHF: nailing is believing  
*Carlos García Fernández*
- 14:23-14:31 PHF: when RSA cracks age limits for the young  
*Carlos Torrens*
- 14:31-14:39 The healthy eighties in need of surgery  
*Fernando Marco*
- 14:39-14:47 Making it stable: advances in plate osteosynthesis & augmentation  
*Antonio Foruria*
- 14:47-14:55 Does anybody do a hemi anymore?  
*Miguel Ángel Ruiz Iban*
- 14:55-15:15 Solve my PHF case  
Panel Discussion

15:15-16:15

### PROBLEMS AFTER PHF & SPECIAL SITUATIONS IN GH TRAUMA

**Moderators: Fernando Marco & Peter Cole**

- 15:15-15:23 Bipolar GH fractures  
*Fernando Marco*
- 15:23-15:31 Make it move: dealing with stiffness  
*Gonzalo Luengo*
- 15:31-15:39 When & how: the best greater tuberosity fixation  
*Giuseppe Milano*
- 15:39-15:47 Does malunion & NAV need surgery?  
*Antonio Foruria*
- 15:47-15:55 Non-union can be solved  
*Alfonso Vaquero*

- 15:55-16:15 Make my complication disappear  
Panel discussion

16:15-16:45

Coffee break



16:45-17:45

### TRAUMA OF THE SCAPULA

**Moderators: Antonio Foruria & Yaiza Lopiz**

- 16:45-16:53 Acromial Stress Fracture treatment in RSA (a trauma surgeon's perspective)  
*Peter Cole*
- 16:53-17:01 Arthroscopic treatment of glenoid fractures  
*Emilio Calvo*
- 17:01-17:09 Acromion & coracoid fractures  
*Fernando Marco*
- 17:09-17:17 Exposure, reduction & fixation for scapular fractures including mipo  
*Peter Cole*
- 17:17-17:25 Double & triple lesions of the sssc  
*Fernando Marco*
- 17:25-17:33 Scapular neck & body malunions  
*Peter Cole*
- 17:33-17:45 How I fix this scapula?  
Panel discussion

17:45

End of day



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## Friday, November 22nd | Convención Room

### TRAUMA

08:00-09:00

#### THE CLAVICLE & ACJ INJURIES

**Moderators: Samuel Antuña & Philipp Moroder**

08:00-08:08 Lateral third fracture fixation

*Carlos García Fernández*

08:08-08:16 Acute ACJ dislocation: When & How?

*Abdul-ilah Hachem*

08:16-08:24 Chronic ACJ dislocation

reconstruction

*Giuseppe Milano*

08:24-08:32 The painful ACJ in sports

*Carlos Cobiella*

08:32-08:40 Sternoclavicular joint instability

*Peter Cole*

08:40-09:00 Decide for me

Panel discussion

### ARTHROSCOPY

09:00-10:00

#### DUAL SCREEN LIVE SURGERY

**Moderators: Abdul-ilah Hachem & Carlos Cobiella**

Arthroscopic Anatomic Glenoid Reconstruction

*Emilio Calvo*

Rotator cuff tear repair with bioinductive collagen

implant

*Eduardo Carpinteiro*

10:00-10:30

Coffee break



### ARTHROSCOPY

10:30-11:30

#### ROTATOR CUFF AND SUBACROMIAL PROBLEMS

**Moderators: Álvaro Minuesa & Carlos Cobiella**

10:30-10:38 Shoulder tendinopathies

*Gonzalo Luengo*

10:38-10:46 Subscapularis tears

*Laurent Lafosse*

10:46-10:54 Can AI predict RCT repair?

*Natalia Martínez Catalán*

10:54-11:02 Biologic augmentation in rotator cuff

repair: From with micro-fragmented

bursal tissue to collagen patch

*Miguel Ángel Ruiz Iban*

11:02-11:10 Biologic augmentation in rotator cuff

repair with the long head of the

biceps tendon

*Giuseppe Milano*

11:10-11:30

Q&A

11:30-12:10

#### MASSIVE IRREPERABLE ROTATOR CUFF TEARS

**Moderadores: Juan Bruguera & Giuseppe Milano**

11:30-11:38 Subacromial Spacer for Massive

Irreparable Cuff Tears: How does it

work

*Gonzalo Luengo*

11:38-11:46 Latissimus dorsi transfer for massive

irreparable RCT

*Laurent Lafosse*

11:46-11:54 Lower trapezious transfer for

massive irreparable RCT

*Gia Rodríguez Vaquero*

11:54-12:10

Q&A



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## Friday, November 22nd | Convención Room

### ARTHROSCOPY

12:10-13:10

#### SHOULDER INSTABILITY

**Moderators: Miguel Ángel Ruiz Iban & Laurent Lafosse**

12:10-12:18 Soft tissue injury: Morphology of the injured and repaired glenoid labrum and its role in recurrent instability  
*Giuseppe Milano*

12:18-12:26 Bony lesions: The Global Track concept for bipolar bone loss in anterior shoulder instability  
*Philipp Moroder*

12:26-12:34 Shoulder Instability in the High Level Athlete  
*Eduardo Carpinteiro*

12:34-12:40 The long term followup: What I learned from my own audit in shoulder instability  
*Emilio Calvo*

12:40-12:48 Free bone block procedures for shoulder instability  
*Abdul-ilah Hachem*

12:48-13:10 Q&A  
Panel Discussion

13:10-13:40

#### INVITED GUEST LECTURE

**The 20 years experience of arthroscopic Latarjet**

*Laurent Lafosse*

13:40-14:40

Lunch Break

14:40-15:30

#### COMPLEX AND REVISION PROBLEMS IN SHOULDER SPORTS MEDICINE

**Moderators: Gonzalo Luengo & Giuseppe Milano**

14:40-14:48 The failed RCT repair  
*Carlos Cobiella*

14:48-14:56 The failed Bankart repair  
*Cristina Delgado*

14:56-15:04 The failed Latarjet  
*Emilio Calvo*

15:04-15:12 Static posterior instability and decentering, where does it come from and how can we treat it?  
*Philipp Moroder*

15:12-15:30 Q&A  
Panel Discussion

15:30-16:30

#### DUAL SCREEN LIVE-SURGERY

**Moderators: Eduardo Carpinteiro & Philipp Moroder**

Reverse Shoulder Arthroplasty  
*Fernando Marco*

Reverse Shoulder Arthroplasty  
*Raúl Barco*

16:30-17:00

Coffee break



17:00-17:30

#### INVITED GUEST LECTURE

**What is it and How to classify STAM?**

*Bassem Elhassan [Remote Speaker]*

17:30-18:00

#### THE SCAPULA

**Moderators: Pablo Vadillo & Philipp Moroder**

17:30-17:38 Surgical solutions for scapular diskinesis  
*Gia Rodriguez Vaquero*

17:38-17:46 Pectoralis minor release: Fact or fiction?  
*Raul Barco*

17:46-18:00 Q&A  
Panel Discussion

18:00-18:30

CLOSING REMARKS



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## POST-COURSE SESSION BRING YOUR CASES!



**SATURDAY, NOVEMBER 23rd 09:00-12:30h**  
**Caracas-La Paz-Bahía Rooms**

**9:00-10:00**

ARTHROPLASTY

*Moderators: Samuel Antuña & Philip Moroder*

**10:10-11:10**

TRAUMA

*Moderators: Peter Cole & Fernando Marco*

**11:20-12:20**

INSTABILITY & ROTATOR CUFF

*Moderators: Emilio Calvo & Carlos Cobiella*

**12:20-12:30**

ADJOURN

*Samuel Antuña, Emilio Calvo & Fernando Marco*

*\*permanent coffee* ☕





# 4th Madrid shoulder course



## Dual Screen Live Surgeries

### THURSDAY 21st, 2024 NOVEMBER

**09:00-10:00**

Moderators: Carlos Torrens & Laurent Lafosse

09:00-10:00

Preoperative Planning and Reverse Shoulder Arthroplasty

*Marta Navarro*

*In collaboration with Stryker*

09:00-10:00

Biceps Smash Technique: Biceps Tendon Autograft

Augmentation for Arthroscopic Rotator Cuff Reconstruction

*Alvaro Minuesa*

*In collaboration with Arthrex*

### FRIDAY 22nd, 2024 NOVEMBER

**09:00-10:00**

Moderators: Abdul-ilah Hachem & Carlos Cobiella

09:00-10:00

Isolated Bioinductive Arthroscopic Repair of Partial-Thickness Rotator Cuff Tear

*Eduardo Carpinteiro*

*In collaboration with Smith&Nephew*

09:00-10:00

Arthroscopic Assisted Glenoid Reconstruction

*Emilio Calvo*

*In collaboration with DePuy Synthes*

**15:30-16:30**

Moderators: Miguel Ángel Ruiz Iban & Philipp Moroder

15:30-16:30

PRIMA Short Stem - A game changer for the RSA

*Fernando Marco*

*In collaboration with Enovis*

15:30-16:30

Equinoxe® GPS Reverse Shoulder Arthroplasty with Ergo® instrumentation

*Raúl Barco*

*In collaboration with Exatech*



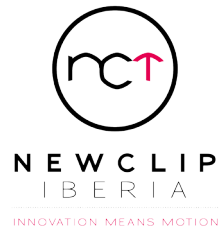


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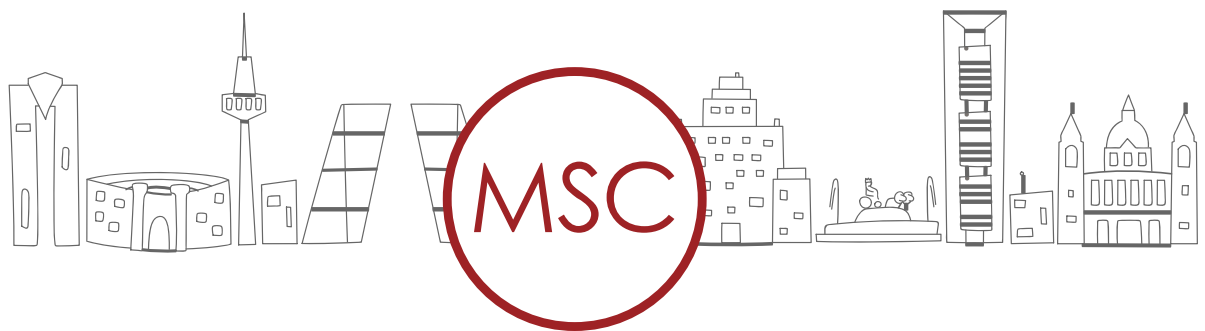


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