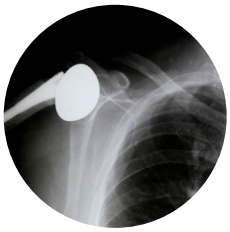
5th Madrid shoulder course

NOVEMBER 12 - 14 | 2026

Chairmen: Samuel Antuña · Emilio Calvo · Fernando Marco





www.madridshouldercourse.com



FINAL PROGRAM

Organized by

Hospital Universitario Fundación Jiménez Díaz
Grupo quirónsalud

Hospital Clínico San Carlos
SaludMadrid
Comunidad de Madrid

Hospital Universitario La Paz
SaludMadrid
Comunidad de Madrid

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ASOCIACION ESPAÑOLA DE ARTROSCOPIA
FUNDADA EN 1982

AGA – GESELLSCHAFT FÜR ARTHROSKOPIE UND GELENKCHIRURGIE
AGA
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PATRONAT

AMERICAN SHOULDER and ELBOW SURGEONS
1982

ISAKOS

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Welcome letter

Dear Colleagues,

It is our great pleasure to welcome you to the 5th edition of the Madrid Shoulder Course, taking place from November 12th to 14th, 2026.

This edition offers a highly scientific and comprehensive program focused on the latest advances in shoulder pathology, including arthroplasty, trauma, and arthroscopy. The course combines clinical case discussions, live surgeries, and cadaveric procedures, which are broadcast live to the main lecture hall. Our goal is to create a dynamic educational environment where cutting-edge knowledge and real-time surgical techniques come together to enrich the learning experience.

We are delighted to welcome around 300 delegates from all over the world, making this an exceptional opportunity to strengthen collaboration between shoulder surgeons and the orthopedic industry. Participating companies showcase their products through hands-on workshops, live surgery sessions, and cadaveric demonstrations, contributing to the exchange of knowledge and the advancement of shoulder surgery.

We are confident that the 5th Madrid Shoulder Course provides a valuable platform to share expertise, foster professional collaboration, and highlight the latest innovations in shoulder surgery. We hope you enjoy the scientific program and take full advantage of the opportunities this event offers to connect with colleagues and industry partners.

Thank you for being part of this important event. We wish you a fruitful and enjoyable experience in Madrid.

With kind regards,

The Organizing Committee



Samuel Antuña
Hospital Universitario La Paz



Emilio Calvo
Fundación Jiménez Díaz



Fernando Marco
Hospital Clínico San Carlos

Hospital Universitario La Paz · Hospital Universitario Fundación Jiménez Díaz · Hospital Clínico San Carlos

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Faculty



Joseph Abboud
USA



Samuel Antuña
Spain



Guillermo Arce
Argentina



Claudio Ascani
Italy



Stephen Bale
UK



Raúl Barco
Spain



Emilio Calvo
Spain



Peter Cole
USA



Giovanni Di Giacomo
Italy



Thomas Duquin
USA



Hany Ahmed Elsayed
Saudi Arabia



Antonio Foruria
Spain



Mark Frankle
USA



Jérôme Garret
France



Stefano Gumina
Italy



Abdul-ilah Hachem
Spain



Martin Jäger
Germany



Jean Kany
France



Franz Kralinger
Austria



Laurent Lafosse
France

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Faculty



Simon Lambert
UK



Yaiza Lópiz
Spain



Fernando Marco
Spain



Teruhisa Mihata
Japan



Phillip Moroder
Switzerland



Patric Raiss
Germany



Howard Routman
USA



Miguel Ángel Ruiz Ibán
Spain



Joaquin Sanchez-Sotelo
USA



Markus Scheibel
Germany



John W. Sperling
USA



Carlos Torrens Canovas
Spain



Olivier Verborgt
Belgium



Matthias Alexander Zumstein
Switzerland

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Assistant Surgeons Fundación Jiménez Díaz

Hospital Universitario Fundación Jiménez Díaz
Grupo quirónsalud



Juan Ameztoy Gallego



Cristina Delgado del Caño



Blanca Díez Sánchez



Carlos García Fernández



José Javier Llorente Pérez



Gonzalo Luengo Alonso



Natalia Martínez Catalán



María Valencia Mora

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Scientific Grid

NOVEMBER 12th, 2026	
07:40-08:00	Registration
08:00-08:10	WELCOME ADDRESS
08:10-09:00	SESSION 1 **Arthroplasty Update - Shoulder arthroplasty: Hot Topics in 2026**
09:00-10:15	**LIVE SURGERY - INDUSTRY SESSION**
10:15-10:40	Coffee break - Exhibition Area
10:40-11:25	SESSION 2 **Arthroplasty Case discussion - Arthritis in the young patient**
11:25-12:10	SESSION 3 **Arthroplasty Case discussion - Arthritis with glenoid bone deficiency**
12:10-12:55	SESSION 4 **Arthroplasty The great debate - Which is the best configuration of RSA?**
12:55-13:15	**Keynote lecture**
13:15-14:15	Lunch
14:15-15:00	SESSION 5 **Arthroplasty Update - Specific situations**
15:00-15:45	SESSION 6 **Arthroplasty Case discussion - Humerus bone loss: OMG!**
15:45-17:00	**LIVE SURGERY - INDUSTRY SESSION**
17:00-17:25	Coffee break and exhibition visit
17:25-18:00	SESSION 7 **Arthroplasty Update - When something goes wrong**

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Scientific Grid

NOVEMBER 13th, 2026	
08:00-09:00	SESSION 1 **Arthroscopy Update - Frequent causes of shoulder pain**
09:00-10:15	**LIVE SURGERY - INDUSTRY SESSION**
10:15-10:40	Coffee break - Exhibition Area
10:40-11:40	SESSION 2 **Arthroscopy Case discussion - Massive rotator cuff tear**
11:40-12:25	SESSION 3 **Arthroscopy The great debate - Augmentation & orthobiologics in RCT**
12:25-12:45	**Keynote lecture**
12:45-13:30	Lunch
13:30-14:15	INDUSTRY SYMPOSIUM
14:15-14:55	SESSION 5 **Arthroscopy Update - Posterior shoulder instability**
14:55-15:40	SESSION 6 **Arthroscopy Case discussion - Subcritical bone defect in anterior shoulder instability**
15:45-17:00	**LIVE SURGERY - INDUSTRY SESSION**
17:00-17:25	Coffee break - Exhibition Area
17:25-18:00	SESSION 7 **Arthroscopy Update - When something goes wrong in shoulder arthroscopy**

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Scientific Grid

NOVEMBER 14th, 2026	
07:45-08:20	SESSION 1 **Trauma Update - Proximal humerus fractures**
08:20-09:00	SESSION 2 **Trauma Case discussion - Proximal humerus nonunion**
09:00-10:15	**LIVE SURGERY - INDUSTRY SESSION**
10:15-10:40	Coffee break- Exhibition Area
10:40-11:15	SESSION 3 **Trauma Update - Acromioclavicular Joint injury and clavicular fractures**
11:15-12:00	SESSION 4 **Trauma Case discussion - Lateral Clavicular Fractures**
12:00-12:20	**Keynote lecture**
12:20-13:05	SESSION 5 **Trauma The great debate - The limits of surgery for proximal humerus fractures**
13:05-13:45	SESSION 6 **Trauma Update - Scapular trauma**
13:45-14:00	WRAP UP AND FAREWELL



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07:40-08:00 Registration

08:00-08:10 Welcome Address

08:10-09:00 ARTHROPLASTY SESSION 1: UPDATE
Shoulder arthroplasty: Hot Topics in 2026
Chairs: J. Abboud, S. Antuña

08:10-08:16 Intro robotics & navigation: all autonomous in 2030?
O. Verborgt

08:16-08:22 New designs in shoulder arthroplasty: do they improve outcomes?
M. Scheibel

08:22-08:28 The anatomic reverse shoulder arthroplasty
M. Frankle

08:28-08:34 Complications of RSA: are they changing?
S. Bale

08:34-08:40 Bone deficiency: the challenge
J. Sanchez-Sotelo

08:40-09:00 Discussion

09:00-10:15 LIVE SURGERY - INDUSTRY SESSION

10:15-10:40 Coffee break - Exhibition Area

10:40-11:25 ARTHROPLASTY SESSION 2: CASE DISCUSSION
Arthritis in the young patient
Chairs: M. Scheibel, S. Bale

10:40-10:45 *Case presentation*
J. Ameztoy Gallego

10:45-10:51 CAM is the way
E. Calvo

10:51-10:57 Hemi with pirocarbon
J. Garret

10:57-11:03 Anatomic TSA
J. Abboud

11:03-11:09 Reverse shoulder arthroplasty
G. di Giacomo

11:09-11:25 Discussion

11:25-12:10 ARTHROPLASTY SESSION 3: CASE DISCUSSION
Arthritis with glenoid bone deficiency
Chairs: M. Frankle, H. Routman

11:25-11:30 *Case presentation*
J. Ameztoy Gallego

11:30-11:36 Correct with bone graft
F. Marco

11:36-11:42 Correct with metal
P. Raiss

11:42-11:48 Correct with reaming
J. Garret

11:48-11:54 No correction is required
S. Antuña

11:54-12:10 Discussion

12:10-12:55 ARTHROPLASTY SESSION 4: THE GREAT DEBATE
Which is the best configuration of RSA?
Chair: S. Antuña

M. Frankle
H. Routman
J. Sanchez-Sotelo
O. Verborgt
P. Raiss

12:55-13:15 KEYNOTE GUEST LECTURE
Survival is the Seed: A Generational Model of Surgical Innovation
M. Frankle

13:15-14:15 Lunch



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14:15-15:00 **ARTHROPLASTY SESSION 5: UPDATE**
Specific situations
Chairs: J. Garret, C. Ascani

14:15-14:21 Shoulder Arthroplasty with Bone Deformity. Managing the Tuberosity
S. Antuña
14:21-14:27 Augmented glenoid components: a risky decision?
J. Sperling
14:27-14:33 Stemless reverse: really?
R. Barco
14:33-14:39 Arthritis with static posterior subluxation: acromion is key
M.A. Zumstein
14:39-14:45 Anatomic TSA is back for real
J. Sperling
14:45-15:00 Discussion

15:00-15:45 **ARTHROPLASTY SESSION 6: CASE DISCUSSION**
Humerus bone loss: OMG!
Chairs: R. Barco, C. Torrens

15:00-15:05 *Case presentation*
J. Ameztoy Gallego
15:05-15:11 Always bone
J. Abboud
15:11-15:17 Always metal
H. Routman
15:17-15:23 Always bone and tendon
J. Sanchez-Sotelo
15:23-15:29 Beyond limits: Resection arthroplasty
Y. Lópiz
15:29-15:45 Discussion

15:45-17:00 **LIVE SURGERY - INDUSTRY SESSION**

17:00-17:25 Coffee break - Exhibition Area

17:25-18:00 **ARTHROPLASTY SESSION 7: UPDATE**
When something goes wrong
Chairs: J. Sanchez-Sotelo, G. di Giacomo

17:25-17:31 Instability after RSA
M. Frankle
17:31-17:37 Periprosthetic fractures: some heal ...
C. Ascani
17:37-17:43 Infection: noooooo!
C. Torrens
17:43-17:49 Glenoid Side Reconstruction. Always Custom?
H. Routman
17:49-18:00 Discussion

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08:00-09:00 ARTHROSCOPY SESSION 1: UPDATE
Frequent causes of shoulder pain
Chairs: M.A. Zumstein, J. Kany

08:00-08:06 Calcifying tendonitis
T. Mihata
08:06-08:12 Adhesive capsulitis
H. A. Elsayed
08:12-08:18 Unstable Painful Shoulder
M.A. Ruiz Ibán
08:18-08:24 Pectoralis minor hyperactivation
L. Lafosse
08:24-08:30 STAM
R. Barco
08:30-08:36 Subscapularis tears - tips and tricks for easier repair
P. Moroder
08:36-08:42 The irreparable SC tear
J. Kany
08:42-09:00 Discussion

09:00-10:15 LIVE SURGERY - INDUSTRY SESSION

10:15-10:40 Coffee break - Exhibition Area

10:40-11:40 ARTHROSCOPY SESSION 2: CASE DISCUSSION
Massive rotator cuff tear
Chairs: R. Barco, P. Moroder

10:40-10:45 *Case presentation*
B. Díez Sánchez
10:45-10:51 Nothing has been demonstrated to be superior to partial repair
E. Calvo
10:51-10:57 SCR, this is the indication!
T. Mihata
10:57-11:03 Think of biology, LHB augmentation
M. Scheibel
11:03-11:09 Subacromial spacer: Fast, easy and efficient
J. Abboud
11:09-11:15 Tendon transfer: Give the patient strength!
J. Kany
11:15-11:21 RSA, reliable and durable
C. Torrens
11:21-11:40 Discussion

11:40-12:25 ARTHROSCOPY SESSION 3: THE GREAT DEBATE
Augmentation & Orthobiologics in RCT
Chair: E. Calvo

M. A. Ruiz Ibán
T. Mihata
M. Zumstein
M. Scheibel
G. di Giacomo

12:25-12:45 KEYNOTE GUEST LECTURE
Fine tuning in reverse shoulder arthroplasty
M. Scheibel

12:45-13:30 Lunch

13:30-14:15 INDUSTRY SYMPOSIUM

14:15-14:55 ARTHROSCPY SESSION 4: UPDATE
Posterior shoulder instability
Chairs: G. Arce, J. Kany

14:15-14:21 Understanding posterior shoulder instability
P. Moroder
14:21-14:27 A solid support is needed: posterior bone block
L. Lafosse
14:27-14:33 Less is more: capsulolabral repair for posterior instability
P. Moroder
14:33-14:39 The problem is more complex than it looks: acromial osteotomy
M.A. Zumstein
14:39-14:55 Discussion



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14:55-15:40 **ARTHROSCOPY SESSION 6: CASE DISCUSSION**
Subcritical bone defect in anterior shoulder instability
Chairs: E. Calvo, L. Lafosse

14:55-15:00	*Case presentation* *B. Díez Sánchez*
15:00-15:06	Bankart & bone fixation *G. Arce*
15:06-15:12	Bankart & remplissage *P. Raiss*
15:12-15:18	Free bone block *A. Hachem*
15:18-15:24	Latarjet *G. di Giacomo*
15:24-15:40	Discussion

15:45-17:00 **LIVE SURGERY - INDUSTRY SESSION**

17:00-17:25 Coffee break - Exhibition Area

17:25-18:00 **ARTHROSCOPY SESSION 7: UPDATE**
When something goes wrong in shoulder arthroscopy
Chairs: A. Hachem, S. Gumina

17:25-17:31	The failed soft tissue repair in shoulder instability *G. di Giacomo*
17:31-17:37	The failed Latarjet *E. Calvo*
17:37-17:43	The failed rotator cuff tear repair *M.A. Zumstein*
17:43-17:49	Instability and rotator cuff tear *T. Mihata*
17:49-18:00	Discussion

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07:45-08:20 TRAUMA SESION 1: UPDATE
Proximal humerus fractures
Chairs: A.M. Foruria, P. Moroder

07:45-07:51 Biomechanics of proximal humerus fracture fixation
M. Jäger
07:51-07:57 Frequent mistakes in proximal humerus fracture fixation: learn to avoid them
F. Kralinger
07:57-08:03 Do fractures need a specifically designed RSA?
Y. Lópiz
08:03-08:09 ORIF in Elderly Patients: Is It Still Reasonable?
A.M. Foruria
08:09-08:20 Discussion

08:20-09:00 TRAUMA SESSION 2: CASE DISCUSSION
Proximal humerus nonunion
Chairs: S. Gumina, C. Torrens

08:20-08:25 *Case presentation*
A. Bartrina Tarreo
08:25-08:31 Follow the classics: Bone graft and plating
M. Jäger
08:31-08:37 Hemiarthroplasty
G. Arce
08:37-08:43 Reverse arthroplasty
A.M. Foruria
08:43-09:00 Discussion

09:00-10:15 LIVE SURGERY - INDUSTRY SESSION

10:15-10:40 Coffee break - Exhibition Area

10:40-11:15 TRAUMA SESION 3: UPDATE
Acromioclavicular Joint injury and clavicular fractures
Chairs: T. Mihata, G. Arce

10:40-10:51 The role of arthroscopy in ACJ injury
M. Scheibel
10:51-10:57 The failed ACJ reconstruction: how to solve it?
A. Hachem
10:57-11:03 Is clavicle malunion clinically important?
P. Cole
11:03-11:15 Discussion

11:15-12:00 TRAUMA SESSION 4: CASE DISCUSSION
Lateral Clavicular Fractures
Chairs: S. Lambert, F. Kralinger

11:15-11:20 *Case presentation*
A. Bartrina Tarreo
11:20-11:26 Arthroscopic approach
R. Barco
11:26-11:32 Hook plating
M. Jäger
11:32-11:38 Anatomical plating
F. Marco
11:38-11:44 Combined Reconstruction
S. Gumina
11:44-12:00 Discussion

12:00-12:20 KEYNOTE GUEST LECTURE
Nerve dangers around the shoulder: From suspicion to treatment
S. Lambert



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12:20-13:05 **TRAUMA SESSION 5: THE GREAT DEBATE**
The limits of surgery for proximal humerus fractures
Chair: F. Marco

S. Lambert
M. Jäger
A.M. Foruria
F. Kralinger
Y. Lópiz

13:05-13:45 **TRAUMA SESSION 6: UPDATE**
Scapular trauma
Chairs: Lambert, M. Jäger

13:05-13:11 When should scapular fractures be operated? Evidence based indications
P. Cole

13:11-13:17 Modern surgical approaches for scapular fractures
F. Marco

13:17-13:23 Operative pearls for complex scapular fractures
P. Cole

13:23-13:291 Plating the spine & acromion for stress fractures associated with RSA
C. Ascani

13:29-13:45 Discussion

13:45-14:00 **WRAP UP AND FAREWELL**



SECOND SECTION

LIVE SURGERIES

November 12th

09:00-10:15 *Chairs: O. Verborgt, P. Raiss*

TRAUMA
Proximal humerus fracture
Antonio Foruria
Assistant surgeons:
N. Martínez Catalán, B. Díez Sánchez

ARTHROPLASTY
Reverse shoulder arthroplasty
Fernando Marco
Assistant surgeons:
C. García Fernández, G. Luengo Alonso

ARTHROPLASTY
Reverse shoulder arthroplasty
Raúl Barco
Assistant surgeons:
M. Valencia Mora, J. Ameztoy Gallego

15:45-17:00 *Chairs: L. Lafosse, G. Arce*

ARTHROPLASTY
Robotic Assisted Shoulder Arthroplasty
Thomas Duquin

ARTHROPLASTY
Reverse shoulder arthroplasty
Patrick Raiss
Assistant surgeons:
G. Luengo Alonso, J.J. Llorente Pérez

ARTHROPLASTY
Anatomic Total Shoulder Arthroplasty
Olivier Verborgt, Samuel Antuña
Assistant surgeons:
N. Martínez Catalán, B. Díez Sánchez

November 13th

09:00-10:15 *Chairs: M. Frankle, F. Marco*

ARTHROSCOPY
Bone block
Abdul-ilah Hachem
Assistant surgeons:
G. Luengo Alonso, C. Delgado del Caño

ARTHROPLASTY
Anatomic Shoulder Arthroplasty
Joaquin Sanchez-Sotelo
Assistant surgeons:
N. Martínez Catalán, M. Valencia Mora

15:45-17:00 *Chairs: S. Bale, J. Abboud*

ARTHROPLASTY
Custom made glenoid reconstruction
Carlos Torrens, Joan Miquel

ARTHROSCOPY
Rotator cuff tear repair
Miguel Ángel Ruiz Ibán
Assistant surgeon:
C. Delgado del Caño

ARTHROSCOPY
Rotator cuff tear repair
Markus Scheibel
Assistant surgeon:
M. Valencia Mora

November 14th

09:00-10:15 *Chairs: P. Moroder, S. Antuña*

ARTHROSCOPY
Latarjet
Emilio Calvo, Laurent Lafosse
Assistant surgeon:
C. Delgado del Caño

09:00-10:15

ARTHROPLASTY
Reverse Shoulder Arthroplasty
Jérôme Garret
Assistant surgeons:
B. Díez Sánchez, J. Ameztoy Gallego

SECOND SECTION

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INDUSTRY SYMPOSIUM

November 13th, 2026

13:30-14:15

Medacta International

Cutting-Edge Technologies for Enhanced Surgical Practice

Plenary room

Moderator: *Franz Kralinger*

NextAR Shoulder: precision and accuracy in action

M. Zumstein

MyImplant: handling uncustomary cases with confidence

- Pegged custom-made glenoid: when a surgery becomes a challenge

A. Armàn

- Peg-less custom-made glenoid: 5-year follow-up

M. Jäger

- Custom-made clavicular implant: a challenging clinical case

S. Lambert

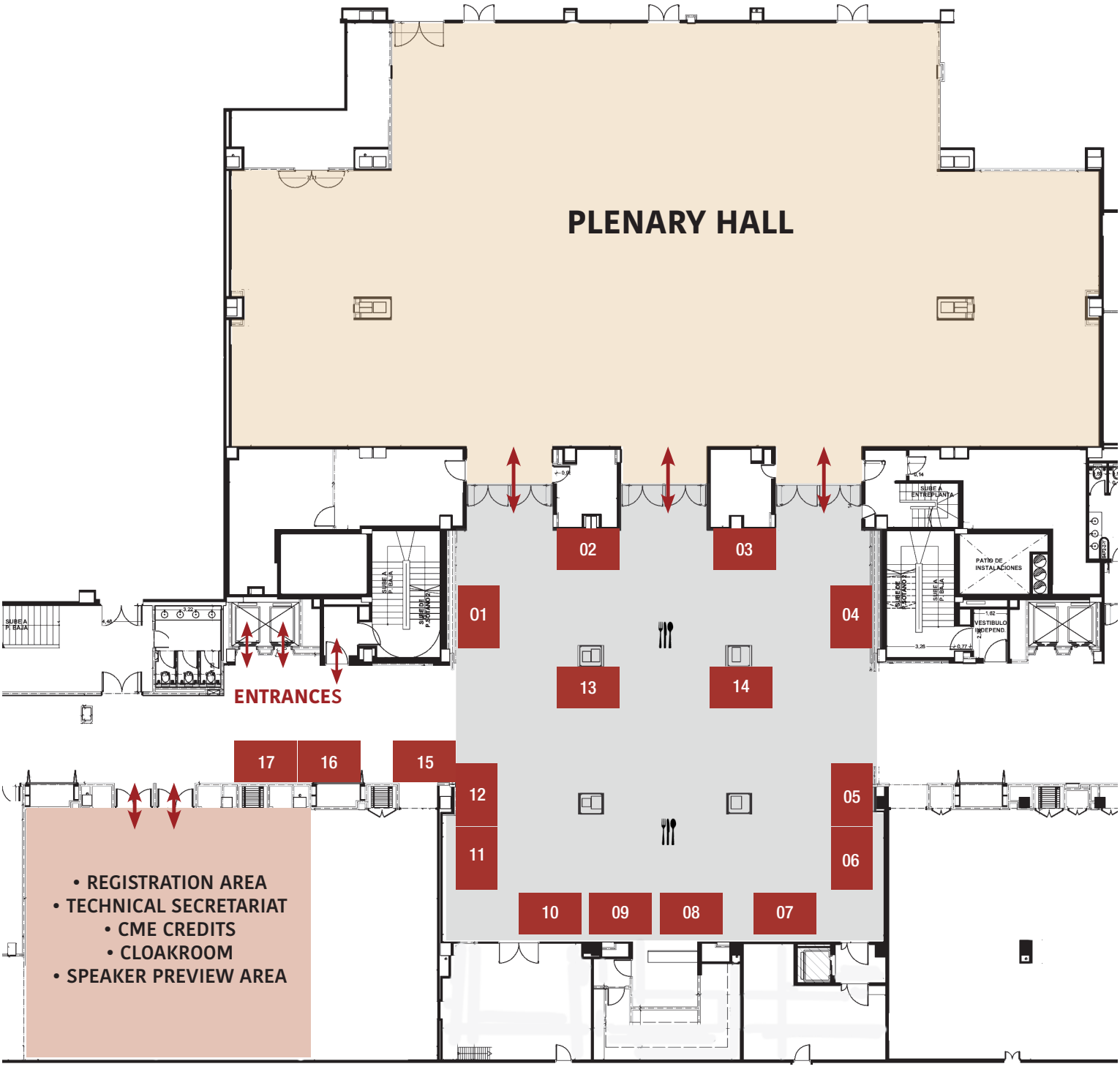
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FLOOR MAP





EXHIBITORS

Smith+Nephew 01	DePuy Synthes 02	CONMED 03	LINK 04
MBA SURGICAL EMPOWERMENT 05	A2C 06	advita ORTHO 07	acumed 08
medartis® 09	Arthrex® 10	Medacta International 11	enovis™ 12
stryker 13	ZIMMER BIOMET 14	lépine Depuis 1714 15	dt DISTRAUMA MEDICAL 16
medcomtech Innovation.Technology.Service 17			

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