



PROGRAM

AO Trauma Masters Course— Management of Hand and Wrist Fractures (With Human Anatomical Specimens)

Feb 17 - 18, 2027
Madrid, Spain

Level:	Masters
Language:	English
Lab:	Wet lab

Goal of the event

The goal of this course is to increase knowledge and skills for managing difficult and complex cases in the hand and wrist. As a Masters' level course, state-of-the-art techniques and approaches, best practices for treatment, and the management of complications will all be addressed at a high level.

Target participants

Hand and wrist surgeons and hand fellows with an interest in trauma and reconstruction. As this is a Masters' level course, participants should have several years of experience in management of complex hand injuries and complications. Participants have preferably already completed the AO Trauma Course— Management of Hand and Wrist Injuries and the AO Trauma Course—Advanced Principles of Fracture Management.

Learning objectives

Upon completion of this course, participants will be able to:

- Describe, apply, and practice principles of surgical management of hand and wrist injuries
- Demonstrate and understand preoperative decision-making and indications and contraindications of those decisions
- Identify and summarize advantages and disadvantages of different fixation techniques
- List common complications of injury and treatment and discuss their prevention and management
- Relate principles and techniques of treatment to personal clinical experience

Event description

This Masters' course addresses the latest techniques and best practices in operative fracture management to deal with complex orthopedic trauma of the hand and wrist. The course includes many case presentations and open group discussions moderated by experts in the field. The anatomical specimen lab provides participants the opportunity to practice the more intricate approaches and procedures.

Chairpersons



Inese Breide
Hospital of Traumatology and
Orthopaedics / Ortomed Riga, Latvia



Alex Lluch
Hospital Vall d'Hebron-Institut Kaplan
Barcelona, Spain

Venue

Universidad Complutense de Madrid

Centro de Donación de Cuerpos y Salas de Disección (CDC&SD) / Bodies Donation Centre

Plaza de Ramón y Cajal, s/n – Facultad de Medicina

Pavilion 6, 1st floor

28040 Madrid

Spain

www.ucm.es/cdcysd

Registration Fees

Standard Ticket

Standard: EUR 1864

Member: EUR 1678

Included in the registration fee: course materials, coffee breaks, lunches (days 1 & 2), and course certificate.

Cancellation policy

50% until 30 days before the event. No refund thereafter.

This agenda has not been finalized

AO Trauma Masters Course—Management of Hand and Wrist Fractures (With Human Anatomical Specimens) — Madrid, 17-18 February 2027

Wednesday

February 17, 2027

08:30 - 09:00 **Registration of participants**

09:00 - 09:10 **Welcome and introduction to the course**

Module 1

Opening sessions: all modules

09:10 - 10:40 **Master's case arena: Faculty present one challenging case from each module (forearm instability, carpal instability and its sequelae, PIP stiffness and malunion), with live audience debate**

10:40 - 11:00 **Coffee break**

11:00 - 11:30 **Master's Clinic (How Masters Diagnose), Module 1: How the experts reach the diagnosis in forearm instability: history, clinical tests shown on a volunteer, and the X-ray, CT and MRI projections and findings they look at**

11:30 - 12:00 **Master's Clinic, Module 2: How the experts reach the diagnosis in carpal instability and its sequelae: history, clinical tests shown on a volunteer, and the imaging projections and findings they look at**

12:00 - 12:30 **Master's Clinic, Module 3: How the experts reach the diagnosis in PIP joint stiffness and malunion: history, clinical tests shown on a volunteer, and the imaging projections and findings they look at**

12:30 - 13:45 **Lunch break**

Module 2

The Pathoanatomy of Forearm Instability

13:45 - 14:45 **Case-based discussions in small groups: Forearm instability: the DRUJ, the radial head and the interosseous membrane**

14:45 - 15:30 **Coffee break and transfer to the anatomy lab**

15:30 - 16:30 **Anatomical practice 1: DRUJ stabilisation**

16:30 - 17:30 **Anatomical practice 2: Radial head replacement**

17:30 - 17:50 **Coffee break**

17:50 - 18:50 **Anatomical practice 3: Forearm exploration, DOB or Interosseous membrane reconstruction**

18:50 - 19:05 **Summary: solutions for cases discussed in module 1 based on anatomical work**

Thursday

February 18, 2027

Module 3

The Pathoanatomy of Carpal Instability and its Sequelae

08:30 - 09:30 **Case-based discussions in small groups: Carpal instability and its sequelae: scapholunate, perilunate, lunotriquetral and midcarpal instability; carpal collapse**

09:30 - 10:30 **Anatomical practice 4: Scapholunate ligament repair and reconstruction**

10:30 - 11:30 **Anatomical practice 5: Four-corner fusion**

11:30 - 11:50 **Coffee break**

11:50 - 12:50 **Anatomical practice 6: Proximal row carpectomy**

12:50 - 13:05 **Summary: solutions for cases discussed in module 2 based on anatomical work**

13:05 - 13:50 **Lunch break**

Module 4

The Pathoanatomy of PIP Joint Stiffness and Malunion

13:50 - 14:50 **Case-based discussions in small groups: PIP joint stiffness and malunion of the phalanges: indications for arthrolysis, arthrodesis and corrective osteotomy**

14:50 - 15:50 **Anatomical practice 7: PIP joint arthrolysis**

15:50 - 16:10 **Coffee break**

16:10 - 17:10 **Anatomical practice 8: PIP joint arthrodesis**

17:10 - 17:20 **Closure**

Event Terms

General information

Event organization compliance

In certain countries where AO has no office but offers educational events, the AO cooperates with third party companies to conduct local organization and logistics, as well as to communicate with participants in the local language. In these cases, the AO has put rules and guidelines in place to ensure that this cooperation has no impact on the curricula, scientific program, or faculty selection.

AO funding sources

Unrestricted educational grants from different sources are collected and pooled together centrally by the AO. All events are planned and scheduled by local and regional AO surgeon groups based on local needs assessments. We rely on industrial/commercial partners for in-kind support to run simulations/skills training if educationally needed.

Evaluation guidelines

All AO events apply the same evaluation process, which includes pre- and post-event online evaluation and on-site written questionnaires. These evaluation tools help ensure that AO continues to meet your training needs.

Intellectual property

Event materials, presentations, and case studies are the intellectual property of the event faculty. All rights are reserved. For more information, please see: www.aofoundation.org/legal

Recording, photographing, or copying of lectures, practical exercises, case discussions, or any course materials is absolutely forbidden.

The AO Foundation reserves the right to film, photograph, and audio record during their events. Participants must understand that in this context they may appear in these recorded materials. The AO Foundation assumes participants agree that these recorded materials may be used for AO marketing and other purposes and made available to the public.

Security

There will be a security check at the entrance of the building. Wearing of a name tag is compulsory during lectures, workshops, and group discussions.

No insurance

The event organization does not take out insurance to cover any individual against accidents, theft, or other risks.

Use of mobile phone

Mobile phone use is not allowed in the lecture halls and in other rooms during educational activities. Please be considerate of others by turning off your mobile phone.

Hygiene guidelines for AO educational events

At anatomical practical-exercise stations

- Personal protective equipment (PPE): surgical face masks and non-sterile, latex-free examination gloves must be worn by all participants and faculty
- Surgical face masks and gloves must be stocked in sufficient numbers, and made available at the entrance of practical-exercise rooms
- All PPE must be disposed of after the end of the practical-exercise session in a dedicated place. New PPE must be used for subsequent sessions
- All instruments must be disinfected (sprayed) after the practical exercise is completed
- Participants re-use the same station for the full duration of the event
- If necessary, adapt the quantity of workstations per table to meet space requirements

Principle of AO educational events

1. Academic independence

Development of all curricula, design of scientific event programs, and selection of faculty are the sole responsibilities of volunteer AO network surgeons. All education is planned based on needs assessment data, designed and evaluated using concepts and evidence from the most current medical education research, and reflects the expertise of the AO Education Institute (www.aofoundation.org). Industry participation is not allowed during the entire curriculum development and planning process to ensure academic independence and to keep content free from bias.

2. Compliance to accreditation and industry codes

All planning, organization, and execution of educational activities follow existing codes for accreditation of high-quality education:

- Accreditation Criteria of the Accreditation Council for Continuing Medical Education, US
- ACCME Standards for Commercial Support: Standards to Ensure Independence in CME Activities
- Criteria for Accreditation of Live Educational Events of the European Accreditation Council for Continuing Medical Education

Events that receive direct or indirect unrestricted educational grants or in-kind support from industry also follow the ethical codes of the medical industry, such as:

- Medtech Europe Guidelines on Interactions with Healthcare Professionals
- AdvaMed Code of Ethics on Interactions with Health Care Professionals
- Mecomed Guidelines on Interactions with Healthcare Professionals

3. Branding and advertising

No industry logos or advertising (apart from the AO Foundation and its AO Units) are permitted in the area where educational activities take place.

Sponsors providing financial or in-kind support are allowed to have a promotional booth or run activities outside the educational area with approval from the event chairperson.

4. Use of technologies and products in practical sessions

In case practical sessions are chosen as an educational method to educate skills, the technologies and products used have been approved or reviewed by the AO Technical Commission—a large independent group of volunteer surgeons developing and peer-reviewing new technology on behalf of the AO Foundation. Any technology and/or products used in the practical sessions of this event have been found suitable to serve the defined educational purposes. However, this does not imply any statement about its use and performance in actual clinical scenarios. Similar products may be

available on the market beyond those offered at the event. More information on the AO Technical Commission can be found on the AO's website: www.aofoundation.org/tc.

5. Personnel

Industry staff members are not permitted to interfere with the educational content or engage in educational activities during the event.

AO World

Welcome letter

Welcome

Dear participant,

Wherever you are in the world, we welcome you to this AO Foundation educational activity!

In recent years, the landscape of education and training has been transformed. You can now access and participate in learning activities worldwide, 24 hours a day, 7 days a week. The AO offers top-notch educational events and the chance to engage with experts and peers across various clinical specialties from around the globe.

With the support of our exceptional AO Faculty and partners, we are committed to helping you achieve your goals and supporting you on your lifelong learning journey.

Enjoy this event, participate actively, and interact with your faculty. Build new friendships and make the most of your experience. You are now part of the AO network, which includes over half a million healthcare professionals worldwide. Together, we advance the mission of promoting excellence in patient care.

Please take a moment to explore what we have to offer. An AO membership will open many doors for you to learn and expand your network.

AO Foundation

AO mission & principles

Mission

The AO's mission is promoting excellence in patient care and outcomes in trauma and musculoskeletal disorders.

The AO principles of fracture management

1. Fracture reduction and fixation to restore anatomical relationships.
2. Fracture fixation providing absolute or relative stability, as required by the “personality” of the fracture, the patient, and the injury.
3. Preservation of the blood supply to soft tissues and bone by gentle reduction techniques and careful handling.
4. Early and safe mobilization and rehabilitation of the injured part and the patient as a whole.

Explore AO offerings

AO Research Institute Davos (ARI)

The ARI advances patient care through innovative orthopedic research and development. Its goals are to contribute high-quality applied preclinical research and development focused on clinical applications and solutions, investigate and improve the performance of surgical procedures, devices, and substances, and build a close relationship with the AO Foundation's medical community, academic societies, and universities.

[ARI website](#)

AO Innovation Translation Center (AO ITC)

The AO ITC streamlines and drives innovation projects, with activities ranging from developing solutions with industrial partners, innovation gathering, and proof-of-concept studies with innovators, to strategic investment in intellectual property, technology, or companies, and evidence creation through clinical research.

[AO ITC website](#)

AO Education Institute (AO EI)

The AO EI is the driving force behind the global educational programs of the AO Foundation. Specialists in medical education and training collaborate with surgeons from around the world to develop continuing education programs based on the latest research. Additionally, the AO EI develops multimedia educational resources for medical training to support surgeons and operating room professionals in continuously improving the treatment of their patients.

[AO EI website](#)

Commercial Partners

We thank our major industry partner **DePuy Synthes** for contributing key in-kind support (material, technical staff, and logistics), without which this event would not be possible, as well as an unrestricted educational grant.

