

AO Recon Course— Principles in Total Hip and Knee Arthroplasty

October 29–30, 2021

Zagreb, Croatia

PROGRAM



Best-in-class
education in
joint preservation
and replacement

Mission

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

Purpose statement

AO Recon is a global network of orthopedic surgeons committed to best-in-class education in joint preservation and replacement.

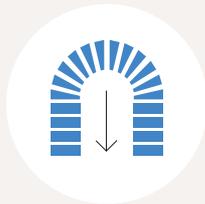
The AO principles of fracture management

1



Fracture reduction and fixation to restore anatomical relationships.

2



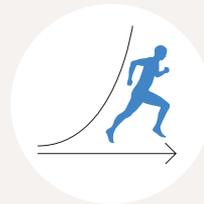
Fracture fixation providing absolute or relative stability, as required by the “personality” of the fracture, the patient, and the injury.

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.

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Course description

This course is modular in structure and highly interactive. Short, evidence-based lectures cover the key information required.

Moderated case discussions in small groups will expand on each topic and help participants to develop decision-making and surgical management skills. Participants will perform hands-on practical exercises including templating and planning exercises. Participants will share their experience with faculty and peers.

All factors related to achieving the best possible outcomes in primary arthroplasty will be covered.

Goal of the course

The AO Recon Course—Principles of Total Hip and Knee Arthroplasty teaches fundamental principles and current concepts in the treatment of patients with a need for primary arthroplasty in the hip and knee. This course is the initial step along the path of lifelong learning in the area of joint arthroplasty. Based on a patient-centered approach this course focuses on the key principles of primary arthroplasty.

Target participants

This course is targeted at newly certified orthopedic surgeons and advanced orthopedic surgical trainees.

Learning objectives

At the end of the event, the participants will be able to:

- Identify patient's reconstructive surgery needs
- Adopt a patient-centered approach
- Anticipate, recognize, and stratify potential complications
- Describe and discuss safe and effective procedures for primary arthroplasty
- Discuss the management of early and late problems or complications
- Communicate and facilitate a multidisciplinary team-based approach
- Apply best practice to optimize and document patient outcomes



Welcome

Dear AO Recon course participant,

It is with great pleasure that we welcome you to our principles course that offers newly certified surgeons a training on the key principles of primary hip and knee arthroplasty.

Over the program's two days, renowned expert surgeons will lead interactive discussion groups and instructional lectures and deliver technical know-how in practical exercises to develop your decision-making competency.

Your current level of knowledge, attitudes, and skills will be challenged throughout the course. The best-in-class curriculum and faculty will provide you a memorable learning experience that will remain with you for a lifetime.

We hope that you will immediately integrate these insights into your daily practice, in order to reach our shared goal: to improve patient care through surgical excellence.

Yours sincerely,



Carsten Perka
AO Recon Steering Board



Bas Masri
AO Recon Education Forum

Chairpersons



Luigi Zagra
Milan, Italy



Dinko Vidović
Zagreb, Croatia



Mario Starešinić
Zagreb, Croatia

International and regional faculty

Artur Gądek
Plamen Kinov
Krisztian Sisak

Kraków, Poland
Sofia, Bulgaria
Szeged, Hungary

National faculty

Slaven Babić
Gordan Gulan
Mladen Japjec
Mislav Jelić
Domagoj Mlinarić
Eduard Rod

Zagreb, Croatia
Lovran, Croatia
Zagreb, Croatia
Zagreb, Croatia
Varaždin, Croatia
Zagreb, Croatia

Friday

October 29, 2021

07:30–07:50	Registration	
08:00–08:10	Welcome and introduction	Chairpersons

Module 1

Moderator: K Sisak

Perioperative Management of Total Hip and Knee Arthroplasty

08:10–09:10	Small group discussion 1 Assessment and decision making Table 1 Table 2 Table 3 Table 4 Table 5	L Zagra, M Japjec P Kinov, E Rod S Babić, D Mlinarić M Starešinić, G Gulan M Jelić, D Vidović
09:10–09:20	Summary: Optimizing the patient journey	M Japjec
09:20–09:30	Preventing infection in joint replacement	D Mlinarić
09:30–09:40	Questions and answers	All faculty
09:40–09:45	Closing of module: take-home messages	K Sisak

Module 2

Moderator: L Zagra

Performing Total Hip Arthroplasty

09:45–09:55	Key steps in THA	L Zagra
09:55–10:05	Overview of surgical approaches for THA	K Sisak
10:05–10:10	Questions and answers	All faculty
10:10–10:30	Coffee break	
10:30–10:40	Cemented fixation	K Sisak
10:40–10:50	Cementless fixation of the cup and the stem	S Babić
10:50–10:55	Questions and answers	All faculty
10:55–11:05	Bearing choice in THA	M Starešinić
11:05–11:15	Intraoperative challenges and complications	L Zagra
11:15–11:25	Preventing dislocation in THA	P Kinov
11:25–11:35	Questions and answers	All faculty
11:35–12:20	Small group discussion 2 Total hip arthroplasty—surgical approaches, preventing dislocation, and fixation Table 1 Table 2 Table 3 Table 4 Table 5	L Zagra, D Mlinarić M Starešinić, E Rod P Kinov, M Japjec M Jelić, K Sisak G Gulan, A Gądek
12:20–13:20	Lunch break	

13:20-15:20	Skills Lab HIP: session 1 Group A: Templating and Small group discussion <ul style="list-style-type: none"> • Templating a THA - 60 min • Small group discussion 3 - 60 min Total hip arthroplasty— intraoperative challenges and complications	M Starešinić, E Rod A Gądek, D Mlinarić
	Group B: AO Recon Skills stations <ul style="list-style-type: none"> • Reaming the acetabulum and inserting a cup - 30 min • Preparing the femur and inserting a stem - 30 min • Safe zones for screw insertion - 30 min • Meet the Experts - 30 min 	G Gulan, D Vidović S Babić, P Kinov M Jelić, M Japjec L Zagra, K Sisak
15:20-15:40	Coffee break	
15:40-17:40	Skills Lab HIP: session 2 Group B: Templating and Small group discussion <ul style="list-style-type: none"> • Templating a THA - 60 min • Small group discussion 3 - 60 min Total hip arthroplasty— intraoperative challenges and complications	M Starešinić, E Rod A Gądek, D Mlinarić
	Group A: AO Recon Skills stations <ul style="list-style-type: none"> • Reaming the acetabulum and inserting a cup - 30 min • Preparing the femur and inserting a stem - 30 min • Safe zones for screw insertion - 30 min • Meet the Experts - 30 min 	G Gulan, D Vidović S Babić, P Kinov M Jelić, M Japjec L Zagra, K Sisak
17:40-17:45	Closing of module: Take-home messages	L Zagra

Saturday

October 30, 2021

Module 3

Moderator: P Kinov

Performing Total Knee Arthroplasty

08:00–08:15	Key steps in TKA and overview of surgical approaches for TKA	M Jelić
08:15–08:25	Limb alignment and kinematics	P Kinov
08:25–08:35	The role of the PCL in TKA	D Vidović
08:35–08:45	Bone cuts in TKA	M Jelić
08:45–08:55	Questions and answers	All faculty
08:55–09:05	Balancing the varus knee and fixed flexion contracture	D Vidović
09:05–09:15	Balancing the valgus knee	A Gądek
09:15–09:25	Patellofemoral resurfacing and tracking	G Gulan
09:25–09:35	Fixation options in knee replacement	E Rod
09:35–09:45	Questions and answers	All faculty
09:45–10:00	Coffee break	
10:00–10:45	Small group discussion 4 How to do a TKR valgus, varus, kinematic alignment Table 1 Table 2 Table 3 Table 4 Table 5	D Vidović, A Gądek M Jelić, E Rod M Starešinić, D Mlinarić P Kinov, K Sisak G Gulan, M Japjec
10:45–11:00	Coffee break	
11:00–13:00	Skills Lab KNEE: session 1 Group A: Meet the Experts and Small group discussion <ul style="list-style-type: none">• Meet the Experts – 60 min• Small group discussion 5 – 60 min Total knee arthroplasty— intraoperative challenges and complications Group B: AO Recon Skills stations <ul style="list-style-type: none">• Planning a TKA – 30 min• Alignment for a tibial cut – 30 min• Performing a tibial cut – 30 min• Cementing – 30 min	P Kinov, A Gądek K Sisak, E Rod M Jelić G Gulan, M Starešinić D Vidović, M Japjec D Mlinarić
13:00–14:00	Lunch break	
14:00–16:00	Skills Lab KNEE: session 2 Group B: Meet the Experts and Small group discussion <ul style="list-style-type: none">• Meet the Experts – 60 min• Small group discussion 5 – 60 min Total knee arthroplasty— intraoperative challenges and complications Group A: AO Recon Skills stations <ul style="list-style-type: none">• Planning a TKA – 30 min• Alignment for a tibial cut – 30 min• Performing a tibial cut – 30 min• Cementing – 30 min	P Kinov, A Gądek K Sisak, E Rod M Jelić G Gulan, M Starešinić D Vidović, M Japjec D Mlinarić
16:00–16:10	Questions and answers - questions not covered by the course	All faculty
16:10–16:20	Closing of module and course: Take-home messages	Chairpersons

Event information

AO Recon

Camilla Keller
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Participant relations

Letizia Vainieri
Phone +41 79 719 32 31
E-mail aoges.emea@aofoundation.org

Registration fee

AO Recon Course—Principles of Total Hip and Knee Arthroplasty: EUR 589
Included in the course fee are conference bag with documentation, coffee breaks, lunches and course certificate.

Conflicts of Interest (COI)

All disclosure information can be viewed on <https://aorecon.aofoundation.org/disclosure.html>

European CME accreditation

An application has been made to the UEMS-EACCME® in Brussels for CME accreditation of this event.

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 and/or skills training if educationally necessary.

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.

Venue

Hotel Antunović Zagreb

Zagrebačka Avenija 100 A
10000 Zagreb
Croatia
Phone +385 (0)1 2041 20
Email rezervacije@hotelantunovic.com
<http://www.hotelantunovic.com/#>



General information

Evaluation guidelines

All AO Recon 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 Recon 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 lectures, practical exercises, case discussions, or any event materials is strictly forbidden. Participants violating intellectual property will be dismissed.



The AO Foundation reserves the right to film, photograph, and audio record during its 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 the AO's marketing and other purposes, and that they may be made available to the public.

Security

Security checks will be conducted at the building entrance. Wearing a name tag is compulsory at all times in the congress center and hospital.

No Insurance

The seminar organization does not take out insurance to cover any individual against accidents, thefts or other risks. Any kind of liability of AO Recon and/or the AO Foundation arising out of or in relation with any individual accident, theft or other risk of or to participants is expressly excluded. The participant absolves the AO Recon and/or AO Foundation or any person related to or in connection with the event of any and all liability to the participant, for any injuries, disease, illness or any other loss or damage that may occur during or after the event or caused directly or indirectly by the attendance in the event. Therefore, the participant takes note and agrees that with the registration she/he accepts the sole responsibility for any individual accident, theft or other risk of or to participants.

Use of mobile phones

Use of mobile phones is not permitted in the lecture halls or in other rooms during educational activities. Please be considerate of others by turning off your mobile phone.

Dress code

Casual

Further information

Please note that the AO is monitoring the situation with COVID-19 and aims to minimize disruption to planned courses and educational events. However, in the current climate, the AO cannot exclude the possibility that scheduled courses or events will be postponed, cancelled, or otherwise disrupted. The AO endeavors to give due notice of these decisions but encourages you to ensure the tickets and accommodation you book are refundable. In the event of a cancellation the participation fee will be refunded in full.

Hygiene guidelines for AO educational events

General protective measures must be observed throughout the event

- Routine cleaning and disinfection of frequently touched surfaces
- Face masks must be worn through the entire duration of the event
- Frequent hand hygiene (when entering and exiting rooms)
- Hand disinfectants must be provided at each door
- Physical distancing of min. 1.5 m between persons at AO events
- Respiratory etiquette (use masks, proper coughing etiquette, etc.)
- Visual reminders of proper measures and etiquette must be placed at doors

At 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 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. Instrument sets are quarantined for 72h before arrival at the course (while being transported). The same applies for the return shipment (stainless steel 72h lifespan).
- 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.

Principles 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 (www.accme.org)
- ACCME Standards for Commercial Support: Standards to Ensure Independence in CME Activities (www.accme.org)
- Criteria for Accreditation of Live Educational Events of the European Accreditation Council for Continuing Medical Education (www.uems.eu)

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:

- Eucomed Guidelines on Interactions with Healthcare Professionals (www.medtecheurope.org)
- AdvaMed Code of Ethics on Interactions with Health Care Professionals (www.advamed.org)
- Mecomed Guidelines on Interactions with Healthcare Professionals (www.mecomed.com)

3. Branding and advertising

No industry logos or advertising (apart from the AO Foundation and its clinical divisions) 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.

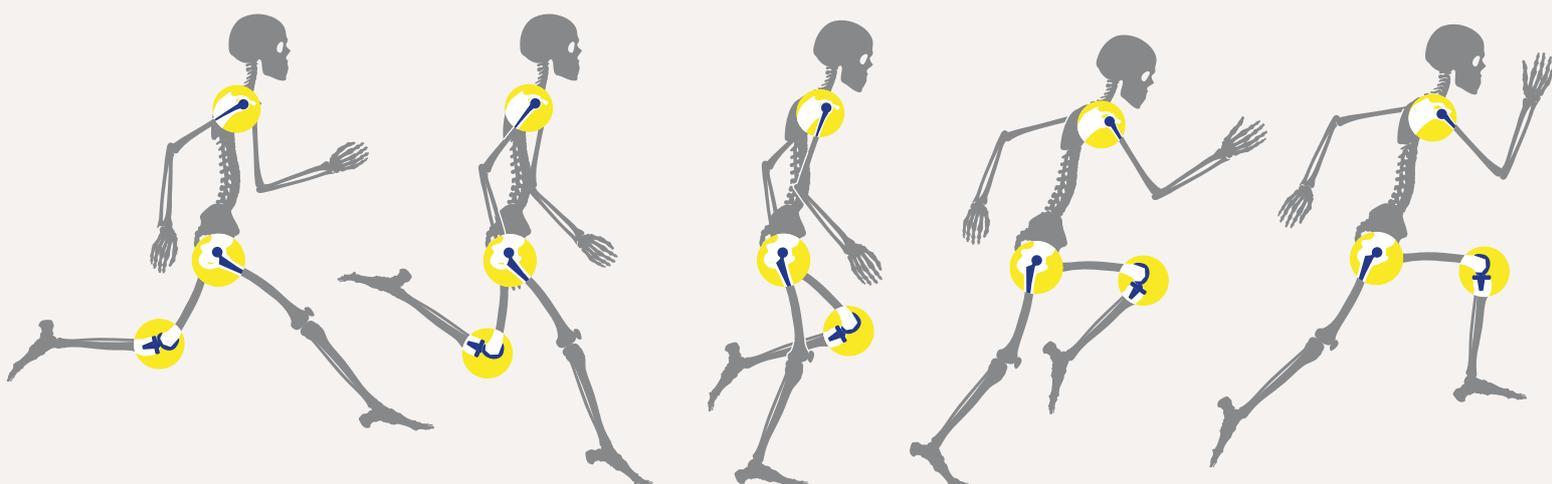
This does not imply any statement about its use and performance in actual clinical scenarios.

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 Recon is a **global network**
of **orthopedic surgeons**
committed to best-in-class
education in **joint preservation**
and **replacement.**



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