

# AORecon Course— Principles of Total Hip and Knee Arthroplasty

17-18 October 2015, Dubai, UAE

*Chaired by Jean-Noël Argenson and Carsten Perka*



## Dear participant

With great pleasure, we are welcoming you to one of the first AOREcon courses. AOREcon is an initiative of the AO Foundation focusing on education and the exchange within a global community to improve patient care in joint preservation and replacement. Having started at the beginning of 2014, we are looking to expand the existing AO network and to complement it with arthroplasty expertise in order to allow for a holistic fulfillment of our vision towards excellence in the surgical management of trauma and disorders of the musculoskeletal system.

We hope that you will enjoy this course, be able to take home many learnings that you can use in your daily practice and that you will continue to be part of this exciting new initiative. As we are interested in your experience with AOREcon, we are grateful for any feedback and comments sent to [info@aorecon.org](mailto:info@aorecon.org).

Yours sincerely,



**Norbert P Haas**  
AOREcon Steering Board



**Suthorn Bavonratanavech**  
AO Foundation President

# AORecon Course – Principles of Total Hip and Knee Arthroplasty

## Goal of the event

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

## Event description

The course is modular in structure and highly interactive. Short, evidence-based lectures will cover the key information required. In practical exercises participants will be trained in the planning of different techniques and approaches. Moderated case discussions in small groups will deepen each topic and help participants to acquire decision making and management skills. Participants will have the opportunity to share their experience with peers and high-profile international faculty throughout the whole course. All factors related to achieving the best possible outcome in primary and revision arthroplasty will be covered in the course and participants will learn about using self-assessment for continuing performance improvement.

## Target participants

This event is targeted at advanced surgical trainees and orthopedic surgeons on the threshold of becoming independent surgeons and taking over decision-making responsibility.

## Event objectives

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

- Describe a systematic assessment including clinical evaluation
- Identify patient's reconstructive surgery needs
- Adopt a patient-centered approach
- Anticipate, recognize, and stratify potential complications
- Describe and discuss safe and effective procedures
- Recognize, stratify, and describe 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

## Chairpersons



**Carsten Perka**  
Berlin, Germany



**Jean-Noël Argenson**  
Marseilles, France

## Faculty

Surname	FirstName	City, Country
Abdel	Matthew	Rochester, MI, USA
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Surnamexxxxx	FirstNamexxxxx	Cityxxxxxxx, Countryxxxxxxxx
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Surnamexxx	FirstNamexxxx	Cityxxxx, Countryxxxxxx
Surnamexxx	FirstNamexxx	Cityxxxxxxxxxx, Countryxxxxxxxx
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## Course Organization

### AORecon

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# Principles of Total Hip and Knee Arthroplasty

**17 October 2015, Morning, ROOM TBD**

Time	AGENDA ITEM	WHO
08:00–08:05	Welcome and introduction to the course (case presentation)	
Module 1	<p>PERIOPERATIVE MANAGEMENT OF TOTAL HIP AND KNEE ARTHROPLASTY</p> <p>At the end of this module, participants will be able to:</p> <ul style="list-style-type: none"> <li>• Perform a systematic assessment including clinical evaluation</li> <li>• Identify patient's reconstructive surgery needs</li> <li>• Adopt a patient-centered approach</li> <li>• Anticipate, recognize, and stratify potential complications</li> </ul>	<p>Core for</p> <ul style="list-style-type: none"> <li>• HIP course</li> <li>• KNEE course</li> <li>• Combined HIP&amp;KNEE course</li> </ul>
08:05–08:13	Patient evaluation and diagnostics Lecture	
08:13–08:21	Decision making and managing expectations Lecture	
08:21–08:30	Questions & answers	
08:30–08:38	Optimizing the patient journey perioperatively Lecture	
08:38–08:46	Optimizing the patient journey intraoperatively Lecture	
08:46–08:55	Questions & answers	
08:55–09:30	Case discussion in small groups: Assessment and decision making	
09:30–09:40	Closing of module 1—take home messages	
09:40–10:00	COFFEE BREAK	
Module 2A	<p>PERFORMING TOTAL HIP ARTHROPLASTY</p> <p>At the end of this module, participants will be able to:</p>	<p>Core for</p> <ul style="list-style-type: none"> <li>• HIP course</li> </ul>

Time	AGENDA ITEM	WHO
	<ul style="list-style-type: none"> <li>Describe and prepare safe and effective procedures</li> <li>Recognize, stratify, and manage early and late problems or complications</li> <li>Facilitate a multidisciplinary team-based approach</li> <li>Apply best practice to optimize patient outcomes</li> </ul>	<ul style="list-style-type: none"> <li>Combined HIP&amp;KNEE course</li> </ul>
10:00–10:10	Restoration of hip biomechanics and planning of a THA Case-based lecture	
10:10–10:18	Surgical approaches for THA: anterior, anterolateral, lateral, posterior, transtrochanteric. Lecture	
10:18–10:28	Questions & answers	
10:28–10:36	Balancing the hip Lecture	
10:36–10:44	Fixation Lecture	
10:44–10:50	Questions & answers	
10:50–11:30	Discussion of cases in small groups: Total hip arthroplasty—surgical approaches, balancing the hip, fixation	
11:30–12:30	LUNCH BREAK	

## 17 October 2015, Afternoon, ROOM TBD

Time	AGENDA ITEM	WHO
12:30–12:38	Bearing Lecture	
12:38–12:46	Intraoperative challenges and complications Lecture	
12:46–12:56	Questions & answers	
12:56–13:20	Templating exercise (workshop): <ul style="list-style-type: none"> <li>• Regular primary hip arthroplasty</li> <li>• Large femoral offset</li> <li>• Hip dysplasia</li> <li>• Posttraumatic deformity</li> </ul>	
13:20–13:50	Case discussions in small groups: Total hip arthroplasty— intraoperative challenges and complications	
13:50–14:00	Closing of module 2A—take home messages	
14:00–14:20	COFFEE BREAK	
Module 2B	<b>PERFORMING TOTAL KNEE ARTHROPLASTY</b> At the end of this module, participants will be able to: <ul style="list-style-type: none"> <li>• Describe and prepare safe and effective procedures</li> <li>• Recognize, stratify, and manage early and late problems or complications</li> <li>• Facilitate a multidisciplinary team-based approach</li> <li>• Apply best practice to optimize patient outcomes</li> </ul>	Core for <ul style="list-style-type: none"> <li>• KNEE course</li> <li>• Combined HIP&amp;KNEE course</li> </ul>
14:20–14:28	Surgical approach options Lecture	
14:28–14:38	Limb alignment and kinematics Case-based lecture	
14:38–14:45	Questions & answers	
14:45–15:00	(Soft-tissue balancing in) The varus knee Case-based lecture	
15:00–15:15	(Soft-tissue balancing in) The valgus knee Case-based lecture	

Time	AGENDA ITEM	WHO
15:15–15:25	Questions & answers	
15:25–15:40	COFFEE BREAK	
15:40–15:50	Fixed flexion contracture Case-based lecture	
15:50–16:00	Extra-articular deformity Case-based lecture	
16:00–16:10	The previously operated knee Case-based lecture	
16:10–16:20	Questions & answers	
16:20–17:00	Case discussions in small groups: Total knee arthroplasty—surgical approaches, limb alignment, varus/valgus, challenges	
17:00–17:08	Patellofemoral tracking Lecture	
17:08–17:16	Constraint Lecture	
17:16–17:24	Pain management and rehabilitation Lecture	
17:24–17:35	Questions & answers	
17:35–17:50	Templating exercise Workshop	
17:50–18:00	Closing of module 2B—take home messages	
18:00	End of course day 1	

## 18 October 2015, Morning, ROOM TBD

Time	AGENDA ITEM	WHO
Module 3	GOVERNANCE AND OUTCOMES At the end of this module, participants will be able to:	Core for <ul style="list-style-type: none"> <li>HIP course</li> </ul>



Time	AGENDA ITEM	WHO
	<ul style="list-style-type: none"> <li>Communicate and facilitate a multidisciplinary team-based approach</li> <li>Apply best practice to optimize and document patient outcomes</li> </ul>	<ul style="list-style-type: none"> <li>KNEE course</li> <li>Combined HIP&amp;KNEE course</li> </ul>
08:00–08:08	Optimizing patient recovery and satisfaction Lecture	
08:08–08:16	Evaluation and interpretation of outcomes Lecture	
08:16–08:24	Decision-making in your practice Lecture	
08:24–08:40	Discussion and closing of module 3—take home messages	
Module 4	<b>REVISION ARTHROPLASTY OF THE HIP</b> At the end of this module, participants will be able to: <ul style="list-style-type: none"> <li>...</li> <li>...</li> <li>...</li> </ul>	Core for <ul style="list-style-type: none"> <li>HIP course</li> <li>Combined HIP&amp;KNEE course</li> </ul>
08:40–08:55	Mechanism of failure and indications for revision Lecture	
08:55–09:05	Investigation and classification Lecture	
09:05–09:15	Patient preparation Lecture	
09:15–09:25	Questions & answers	
09:25–09:55	Case discussions in small groups	
09:55–10:15	COFEE BREAK	
10:15–10:25	Extended surgical approaches and planning Lecture	
10:25–10:40	Implant removal Lecture	
10:40–10:50	Acetabular bone loss Lecture	

Time	AGENDA ITEM	WHO
10:50–11:00	Femoral bone loss Lecture	
10:00–12:00	Case-based discussion (debate/panel discussion with participation of the audience?)	
12:00–12:10	Course wrap-up with take-home messages / OR: Closure of module followed by lunch break and continuation with knee revision	
12:10–13:10	LUNCH BREAK	

## 18 October 2015, Afternoon, ROOM TBD

Time	AGENDA ITEM	WHO
Module 5	<b>REVISION ARTHROPLASTY OF THE KNEE</b> At the end of this module, participants will be able to: <ul style="list-style-type: none"> <li>• ...</li> <li>• ...</li> <li>• ...</li> </ul>	Core for <ul style="list-style-type: none"> <li>• KNEE course</li> <li>• Combined HIP&amp;KNEE course</li> </ul>
13:10–13:25	Mechanism of failure and indications for revision Lecture	
13:25–13:35	Investigation and classification Lecture	
13:35–13:45	Patient preparation Lecture	
13:45–13:55	Questions & answers	
13:55–14:25	Discussion of cases in small groups:	
14:25–14:45	COFFEE BREAK	

Time	AGENDA ITEM	WHO
14:45–14:55	Extended surgical approaches and planning Lecture	
14:55–15:10	Implant removal Lecture	
15:10–15:20	Questions & answers	
15:20–15:35	Bone loss Lecture	
15:35–15:50	Soft-tissue deficiencies Lecture	
15:50–16:50	Case-based discussion (debate/panel discussion with participation of the audience?)	
16:50–17:00	Functional recovery Lecture	
17:00–17:10	Course wrap-up and take-home messages	
17:10	End of course	

## Course Information

### Course fee

The course fee includes admission to the course as well as documentation, coffee breaks, lunches and course certificate.

### Accreditation

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

### Evaluation guidelines

All AORecon courses apply the same evaluation process, either the audience response system (ARS), paper and pencil questionnaires, or online survey. This will help AORecon to ensure that we continue to meet your training needs. In some regions, CME accreditation is dependent on the participant's evaluation results.

### Intellectual property

Course materials, presentations, and case studies are the intellectual property of the course faculty. All rights are reserved. Check hazards and legal restrictions on [www.aorecon.org/disclaimer](http://www.aorecon.org/disclaimer).

Recording, photographing, or copying of lectures, practical exercises, case discussions, or any course materials is strictly forbidden. Participants violating intellectual property will be dismissed.

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

Security checks may be conducted at the entrance of the building. Wearing of a name tag is compulsory during lectures, workshops, and group discussions.

### No insurance

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

### Use of mobile phones

Use of mobile phones 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.

## Course Logistics

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