

# Principles of Total Hip and Knee Arthroplasty Course

## Unlock the path to mastery in joint arthroplasty!

This course teaches fundamental principles and current concepts in the treatment of patients with a need for primary arthroplasty in the hip and knee. It is the initial step along the path of lifelong learning in the area of joint arthroplasty.

## Course highlights

Learn the essential principles and cutting-edge techniques of primary arthroplasty for the hip and knee in this modular and highly interactive course.

From evidence-based lectures and small group case discussions to hands-on practical exercises, every aspect is meticulously crafted to empower participants with decision-making skills and surgical management expertise. Exchange your experience with expert faculty and peers.

## Who is this course for?

This course is tailored for newly certified orthopedic surgeons and advanced orthopedic surgical trainees.

## What you will learn

At the end of this course, 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

## Course modules

Perioperative Management of Total Hip and Knee Arthroplasty as well as performing Total Hip Arthroplasty (THA) and Total Knee Arthroplasty (TKA).

Application is made to the UEMS-EACCME® in Brussels for European CME credits (ECMEC).

## Small group discussions

- Assessment and decision making for THA/TKA
- THA—surgical approaches, preventing dislocation, and fixation
- THA—intraoperative challenges and complications
- How to do a TKR—valgus, varus, kinematic alignment
- TKA—intraoperative challenges and complications

## Presentations

- Optimizing the patient journey
- Preventing infection in joint replacement
- Key steps in planning THA
- Overview of surgical approaches for THA
- Cemented fixation
- Cementless fixation of the cup and the stems for THA
- Bearing choice in THA
- Intraoperative challenges and complications
- Preventing dislocation in THA
- Key steps in TKA and overview of surgical approaches for TKA
- Limb alignment and kinematics
- The role of the PCL in TKA
- Bone cuts in TKA
- Balancing the varus knee and fixed flexion contracture
- Balancing the valgus knee
- Patellofemoral resurfacing and tracking
- Fixation options in knee replacement

## Skills lab

- Templating a THA
- Reaming the acetabulum and inserting a cup
- Preparing the femur and inserting a stem
- Safe zones for screw insertion
- Meet the Experts
- Planning a TKA
- Alignment for a tibial cut
- Performing a tibial cut
- Cementing



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