

ADVANCED TECHNOLOGIES IN KNEE ARTHROPLASTY

Course Overview

The course will focus on advanced technologies in knee Arthroplasty such as implant coatings, navigation and optimizing knee joint kinematics. Aesculap Implant System's Alternative Surface (AS) coating technology is an advanced multilayer ceramic coating with a low wear rate of 3.5mg/million cycles and a high barrier to metal ion release.

Another major focus of the course is the advances in orthopaedic navigation and how to use computer-assisted technology to obtain more precise alignment results. The OrthoPilot® was the first CT-free computer navigation system in the U.S. and has been used clinically since 1997.

Experienced instructors will share their knowledge both through didactic and intensive hands-on training in small groups.

Course Objectives

Aesculap Implant System's course in Advanced Technologies in Knee Arthroplasty aims to educate participants in the latest advances in implant coatings, navigation, and knee procedures in general.

AGENDA

- 8:00 AM Registration / Breakfast / Welcome
- 8:30 AM Biomechanics of the Knee and Implant Behavior
- 9:00 AM Why Navigate?
- 9:20 AM OrthoPilot TKA Navigation Workflow and Soft Tissue Balancing
- 10:15 AM Break
- 10:30 AM Alternative Surfaces for Knee Implants
- 10:50 AM Cadaver Workshop – TKA
- 11:50 AM Lunch / Case Presentations
- 12:30 PM Adjourn