Symposium VIII

Adverse Local Tissue Reactions in THA: Who, When and How to Revise

Moderator: Young-Min Kwon, MD, PhD

Faculty: Joshua J. Jacobs, MD, Michael J. Taunton, MD, Douglas E. Padgett, MD, Adolph V. Lombardi, Jr., MD, FACS

A combined didactic and case presentation format will highlight treatment of total hip arthroplasty (THA) patients with adverse local tissue reactions (ALTR) due to modular taper corrosion and metal bearing surface wear, enhancing understanding and applying evidence-based practice to optimize patient evaluation, revision surgery indication, surgical techniques and outcomes.

Introduction
Young-Min Kwon, MD, PhD

What Surgeons Need to Know About ALTR in THA
Joshua J. Jacobs, MD

How to Interpret Metal Ions in ALTR
Michael J. Taunton, MD

How Useful Is MARS MRI in Evaluating ALTR?
Douglas E. Padgett, MD

What are the common pitfalls and pearls in performing revision surgery for ALTR?
Adolph V. Lombardi, MD

Discussion
All Faculty

Learning Objectives:

1. To recognize that there is a spectrum of clinical presentations of ALTR due to taper corrosion and metal bearing surface wear, reflecting a complex interplay of implant, surgical and patient factors
2. To understand the current state of knowledge on importance of various taper material combinations and taper design geometry on taper corrosion
3. To recognize that systematic risk stratification approach based on currently available data is critical in optimizing evaluation and revision surgery indications
4. To gain understanding of utility and limitations of specialized diagnostic tests including metal ion levels and cross-sectional imaging studies in the clinical decision-making process
5. To understand that optimizing revision surgery outcomes for ALTR involves careful preoperative planning, implant selection, and surgical techniques to overcome challenges associated with soft tissue necrosis