Teaching Session 1
Bone & Joint + Inflammation & Infection Committee / Gesellschaft für Arthroskopie und Gelenkchirurgie (AGA)
Accessible on-demand at any time

Session Title
Imaging of Prosthetic Knee Joint Loosening - Spotlight on Quantitative and Multidisciplinary Algorithms

Chairperson
Bénédicte Jonca (Paris, France)

Programme
25 min Dominic Mathis (Basel, Switzerland / AGA): Clinical Point of View for Selecting Imaging Modalities for the Assessment of Knee Endoprosthesis
20 min Luca M. Sconfienza, (Milan, Italy): Anatomical Imaging in the Management of Prosthetic Loosening
20 min Chiara Lauri (Rome, Italy): Nuclear Medicine Modalities and Quantitative Approaches in the Management of Knee Prosthetic Loosening
22 min Frédéric Paycha (Paris, France): Summary Suggestion - A Consensus Document in the Diagnosis of Knee Prosthetic Joint Loosening
3 min Session Summary by Chairperson

Educational Objectives
1. Clinical algorithms for selecting imaging modalities for the assessment of knee endoprosthesis
2. Impact of anatomical imaging in the management of knee prosthetic loosening
3. Quantitative nuclear medicine approaches for assessment of infection and mechanical loosening of knee endoprosthesis

Summary
Knee replacement is the mainstay treatment for advanced osteoarthritis. Selecting accurate non-invasive imaging modalities for the management of patients with painful endoprosthesis after total knee arthroplasty is crucial to avoid unnecessary interventions and revision surgeries.

This session focuses on the clinical algorithms for selecting imaging modalities, impact of anatomical and metabolic imaging and discusses the quantitative nuclear medicine imaging approaches for accurate and specific assessment of knee endoprosthesis.

Key Words
Knee endoprosthesis, clinical algorithms, anatomical imaging, quantitative metabolic imaging