Joint Symposium 7
Inflammation & Infection Committee / European Association for the Study of Diabetes (EASD)
Accessible on-demand at any time

Session Title
My Foot is on Fire - Find the Hot Spot

Chairperson
Chiara Lauri (Rome, Italy)

Programme
29 min  Frances Game (Derby, United Kingdom / EASD): Diabetic Foot Infections - Clinical Challenges for Diabetologists
29 min  Thomas Kwee (Groningen, Netherlands): Diabetic Foot Infections - Clinical Challenges for Radiologists
29 min  Chiara Lauri (Rome, Italy): Diabetic Foot Infections - Clinical Challenges for Nuclear Medicine Physicians
3 min  Session Summary by Chairperson

Educational Objectives
1. To describe the most important clinical aspects of diabetic foot infections that need to be addressed by imaging
2. To summarize the most relevant radiologic and Nuclear Medicine imaging modalities for the diagnosis of diabetic foot infections
3. To explore pros and cons of different imaging modalities in differentiating bone osteomyelitis from soft tissue infections and Charcot osteoarthropathy

Summary
Diabetic foot infections are severe complications of long-standing diabetes and represent a diagnostic challenge since the differentiation between osteomyelitis, soft tissue infection and Charcot’s osteoarthropathy is very difficult to achieve. Nevertheless, such differential diagnosis is mandatory in order to plan the most appropriate treatment for the patient. The isolation of the pathogen from bone or soft tissues is still the gold standard for diagnosis however it would be desirable to have non-invasive test able to detect, localize and evaluate the extent of the infection with high accuracy. A multidisciplinary and multimodal approach is the key for a correct management of diabetic patients dealing with infective foot complications but, at moment, no definite diagnostic flow-charts still exist.

This Joint Symposium will start with a clinical introduction on the impact of diabetic infections for the individual and for the Society and will open the discussion on the complexity of diagnosis and management of such kind of complication. The following lectures will address how multimodality imaging could be helpful in solving clinical challenges in very complex scenarios and how to achieve an accurate differential diagnosis amongst several diabetic foot complications.

Key Words
Infection, diabetic foot, multimodality imaging, MRI, WBC scintigraphy, [18F] FDG PET/CT