

Mid-Congress-Symposium 10
Inflammation & Infection Committee
Wednesday, October 28, 09:30-12:15

Session Title
Diagnostic Flowcharts on Musculoskeletal Infections

Chairperson
Andor Glaudemans (Groningen, Netherlands)

Programme

09:30 - 09:48 Edel Noriega Alvarez (Ciudad Real, Spain): Correct protocols for WBC imaging
09:48 - 10:07 Olivier Gheysens (Leuven, Belgium): Correct protocols for FDG-PET/CT imaging
10:07 - 10:25 Rihard Trebse (Ljubljana, Slovenia): When do we need imaging in PJI?
10:25 - 10:43 Alberto Signore (Rome, Italy): Diagnostic flowcharts in PJI

10:43 - 10:58 Break

10:58 - 11:16 Benjamin Bouyer (Bordeaux, France): When do we need imaging in spine infections?
11:16 - 11:34 Elena Lazzeri (Pisa, Italy): Diagnostic flowcharts in spine infections
11:34 - 11:53 Geertje Govaert (Utrecht, Netherlands): When do need imaging in FRI?
11:53 - 12:12 Andor Glaudemans (Groningen, Netherlands): Diagnostic flowcharts in FRI

Educational Objectives

1. Learn how to correctly acquire and interpret WBC scintigraphy and FDG-PET for infections
2. Learn when diagnostic imaging is needed in patients suspected of musculoskeletal infections
3. Learn which imaging modality should be used at which time point in patients suspected of musculoskeletal infections

Summary

Musculoskeletal infections are highly feared and form a serious problem in healthcare. Settling the correct diagnosis can be very challenging, if often involves young people, leads to a huge impact on daily life, has a high recurrent rate, and may lead to serious complications. An early and accurate diagnosis is of invaluable importance to start the correct treatment as soon as possible. In this pregress first an overview is given of how to correctly acquire and interpret the images of white blood cell scintigraphy and FDG-PET/CT in a patient with suspected musculoskeletal infections. Then we focus on 3 specific musculoskeletal infections: (1) prosthetic joint infection, (2) spine infection, and (3) fracture-related infections (in the past called peripheral bone infection. Its disease will be discussed by one clinician who shows us when he/she needs our imaging methods in clinical practice, and by one nuclear medicine imaging showing the recently published consensus documents (written together with several other European societies) with a special focus on the diagnostic flowcharts.

Key Words

Prosthetic joint infections; Spine infection; Fracture-related infection; white blood cell scintigraphy, FDG-PET/CT