

Special Track Session 5

Inflammation & Infection Committee

Monday, October 6, 08:00 – 09:30

Session Title

Debate: WBC Scintigraphy Scan vs FDG PET/CT in Musculoskeletal Infections

Moderators

Lucia Leccisotti (Rome, Italy)

Søren Hess (Odense, Denmark)

Point of view: WBC scintigraphy in musculoskeletal infections

Chiara Lauri (Rome, Italy)

Point of view: FDG-PET/CT in musculoskeletal infections

Elite Arnon-Sheleg (Nahariya, Israel)

Educational Objectives

1. To provide insights into how and when to use White Blood Cell scintigraphy in suspected or manifest musculoskeletal infections
2. To provide insights into how and when to use [18F]FDG PET/CT in suspected or manifest musculoskeletal infections
3. To facilitate an open discussion on pro and cons of the two modalities in suspected or manifest musculoskeletal infections

Summary

Musculoskeletal infections can be clinically challenging; symptoms may be vague and non-specific, and implanted metal may hamper imaging or give rise to non-specific findings. White blood cell scintigraphy has been a key modality for decades, but with its inherent drawbacks, FDG-PET/CT has been explored within these clinical settings albeit with variable results. Thus, it remains debatable what modality to employ in suspected or manifest musculoskeletal infections.

Key Words

Musculoskeletal infections; white blood cell scintigraphy; FDG; PET