



Special Track Session 9

Infection and Inflammation Committee

Challenge the Expert

Tuesday, October 22, 08:00 - 09:30

Session Title

Diagnostic Challenges in Fever/Inflammation of Unknown Origin in Adults and Children: Clues from FDG-PET/CT?

Moderators

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Expert

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Diagnostic challenges in fever/inflammation of unknown origin in adults and children: clues from FDG-PET/CT?

Challengers: Team Belgium

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Educational Objectives

1. To provide an overview of fever and inflammation of unknown origin (FUO/IUO) in clinical nuclear medicine.
2. To provide insights into how and when to use [18F]FDG PET/CT in FUO/IUO.
3. To provide insights into expected yield and gain from the use [18F]FDG PET/CT in FUO/IUO.

Summary

Fever and inflammation of unknown origin (FUO/IUO) are clinical challenges; patient presentations are heterogeneous, there is a wide variety of differential diagnoses, and there is no established workup strategy. [18F]FDG PET/CT has a definite role in the diagnostic workup with an overall diagnostic yield/helpfulness of 50–60%; a positive scan often contributes to establishing a final diagnosis, and negative scan may be equally important to exclude focal disease. However, controversy still remain regarding the gain and when and how to utilize [18F]FDG PET/CT in these clinical settings and these discussions are the topic of this sessions.

Key Words

Infection; inflammation; FUO; fever of unknown origin