



Learn & Improve Professional Skills Session 6

Inflammation and Infection Committee

Monday, October 21, 09:45 - 11:15

Session Title

Incidental Inflammatory/Infective Findings with PET Tracers

Chairpersons

Lucia Leccisotti (Rome, Italy)

Soren Hess (Odense, Denmark)

Programme

- 09:45 - 10:15 **Giorgio Treglia** (Bellinzona, Switzerland) Incidental inflammatory/infective findings with 18F-FDG
- 10:15 - 10:45 **Domenico Albano** (Brescia, Italy): Incidental inflammatory/infective findings with choline/PSMA
- 10:45 - 11:15 **Esra Arslan** (Istanbul, Türkiye): Incidental inflammatory/infective findings with other radiotracers

Educational Objectives

1. Describe the frequency and the clinical meaning of the main incidental inflammatory and/or infectious findings with 18F-FDG PET/CT
2. Describe the frequency and the clinical meaning of the main incidental inflammatory and/or infectious findings with PSMA PET/CT
3. Describe the frequency and the clinical meaning of the main incidental inflammatory and/or infectious findings with choline PET/CT
4. Describe the frequency and the clinical meaning of the main incidental inflammatory and/or infectious findings with FAPI PET/CT
5. Describe the frequency and the clinical meaning of the main incidental inflammatory and/or infectious findings with other radiotracers

Summary

With the spread of even more different PET/CT radiotracers, there has been a numerical increase in the detection of incidental lesions at different body sites. These incidentaloma are often of oncological nature but the possibility of having infectious and/or inflammatory findings is not negligible. Incidental uptake is for definition a diagnostic dilemma and its differential diagnosis is challenging and crucial for clinical decision-making

The knowledge of physiological and non-oncologic causes of radiotracer uptake is crucial for accurate PET/CT interpretation and can help appropriate management of incidental findings in patients referred for oncological indications.

This session will focus on the main frequent and significant incidental uptake of infectious and inflammatory meaning.

Key Words

Incidental; PET/CT; 18F-FDG; PSMA; Choline; FAPI