



CME Session 5

Paediatrics Committee

Monday, October 21, 08:00 - 09:30

Session Title

Children on Fire (Fever of unknown origin in paediatrics)

Chairpersons

Catia Olianti (Florence, Italy)

Julian Rogasch (Berlin, Germany)

Programme

08:00 - 08:20 **Sandra Trapani** (Florence, Italy): Clinical aspects of FUO

08:20 - 08:45 **Michala Holm Reichkender** (Copenhagen, Denmark): Nuclear Medicine in FUO/
Role of 18 FDG PET/CT

08:45 - 09:10 **Marie Luporsi** (Paris, France): FUO as neoplastic disease onset

09:10 - 09:30 **Catia Olianti** (Florence, Italy): FUO as inflammatory/rheumatologic disease onset

Educational Objectives

1. Key features of fever of unknown origin, any differences between adults and pediatric population
2. Brief information on the imaging modalities in FUO, pinpointing on WBC labelling and FDG PET-CT imaging
3. How often do we see FUO with neoplastic diseases and how to clarify this clinical situation
4. How to solve complicated circumstances of FUO in inflammatory /rheumatologic disease

Summary

Fever of unknown origin (FUO) a prolonged febrile illness without an established etiology despite intensive evaluation and diagnostic testing. Most of them either resolve before a diagnosis can be made or develop distinguishing characteristics that lead to a diagnosis. It has been studied in large series in adult population however the pediatric literature is less well known. In this CME session definition of FUO is going to be discussed with the diagnostic approaches concerning which imaging modalities should be chosen in different circumstances of FUO in malignancy, inflammatory and rheumatologic diseases.

Key Words

Fever of unknown origin; paediatrics; radionuclide imaging