

*Düsseldorf, Germany*

## **CME 1 (Inflammation & Infection)**

**Sunday, October 14, 08:00-09:30**

### **Session Title**

**Fever of Unknown Origin**

### **Chairpersons**

Giorgio Treglia (Bellinzona)

Alastair McGregor (London)

### **Programme**

08:00 - 08:05 Introduction

08:05 - 08:30 Alastair McGregor (London): The Infectiologist's Point of View

08:30 - 08:55 Elena Lazzeri (Pisa): Role of Nuclear Medicine in FUO Diagnosis: When and How to Use WBC Scintigraphy

08:55 - 09:20 Lioe-Fee de Geus-Oei (Leiden): Role of Nuclear Medicine in FUO Diagnosis: When and How to Use FDG-PET

09:20 - 09:30 General Discussion

### **Educational Objectives**

1. To summarize the clinical features and diagnostic strategy in patients with fever of unknown origin (FUO).
2. To describe the current role of radiolabeled white blood cell (WBC) scintigraphy in patients with FUO.
3. To describe the current role of fluorine-18 fluorodeoxyglucose positron emission tomography (FDG-PET) in patients with FUO.

### **Summary**

This CME session is dedicated to fever of unknown origin (FUO). First, the clinical point of view will be explained, in particular underlining the relevance of an early and correct diagnosis in patients with FUO. Then the role of various nuclear medicine modalities, including white blood cell (WBC) scintigraphy and fluorine-18 fluorodeoxyglucose positron emission tomography (FDG-PET), will be discussed including the possibilities and the position of these imaging methods in the diagnostic work-up of patients with FUO.

### **Key Words**

Fever of unknown origin; white blood cell scintigraphy; FDG-PET; diagnostic strategy; infection