

*Vienna, Austria*

Annual Congress of the  
European Association of Nuclear Medicine

October 21 –25, 2017  
Vienna, Austria

## **CME 6 – Interactive (Bone & Joint)**

**Monday, October 23, 11:30-13:00**

### **Session Title**

**Skeletal Scintigraphy Today - Accurate Diagnosis of Bone Disease with Therapeutic Impact**

### **Chairs**

Frédéric Paycha (Paris)

Tim Van den Wyngaert (Edegem)

### **Programme**

11:30 - 11:50	Philipp Ritt (Erlangen): High Resolution SPECT/CT and Beyond
11:50 - 12:10	Torsten Kuwert (Erlangen): SPECT/CT Quantification
12:10 - 12:40	Zohar Keidar (Haifa): The End of Planar: Whole-Body SPECT as New Paradigm
12:40 - 13:00	Gopinath Gnanasegaran (London): Top Ten Diagnoses Made Possible by SPECT/CT

### **Educational Objectives**

- 1) Introduce the attendees to the technique and potential clinical applications of SPECT/CT quantification.
- 2) Discuss the advantages of whole-body SPECT as possible replacement of planar imaging.
- 3) Provide an overview of the most useful applications of SPECT/CT in clinical practice.
- 4) Summarize the progress in SPECT/CT instrumentation improving resolution and reflect on future developments.

### **Summary**

Skeletal scintigraphy remains the mainstay procedure in many nuclear medicine departments and the technique has witnessed a revolution with the introduction of SPECT/CT. Latest technical advances in SPECT/CT imaging that may herald further clinical breakthroughs include quantification, improved sensitivity and resolution, and whole-body SPECT capabilities. In this CME session the current clinical applications and benefits of bone SPECT/CT are summarized, and the attendees will be introduced to the novel and upcoming concepts in SPECT/CT methodology.

### **Key Words**

Bone scintigraphy, SPECT/CT, quantification, clinical applications, future developments