

*Vienna, Austria*

Annual Congress of the  
European Association of Nuclear Medicine  
October 21 –25, 2017  
Vienna, Austria

## **Pre-Congress Symposium 10 (Cardiovascular/Inflammation and Infection)** **Saturday, October 21, 13:00-16:00**

### **Session Title**

**Role of Nuclear Medicine in the Detection of Infection of Cardiac Prosthesis or Devices**

### **Chairs**

Olivier Gheysens (Leuven)  
Fabien Hyafil (Paris)

### **Programme**

- 13:00 - 13:25 Juan Ambrosioni (Barcelona): Clinical Challenges in Establishing the Diagnosis of Endocarditis
- 13:25 - 13:50 Raluca Dulgheru (Liège): Role of Echocardiography in the Diagnosis of Endocarditis
- 13:50 - 14:15 Paola Erba (Pisa): Role of White Blood Cell Scintigraphy in the Diagnosis of Endocarditis
- 14:15 - 14:45 Coffee Break**
- 14:45 - 15:10 François Rouzet (Paris): Role of FDG-PET Imaging in the Diagnosis of Endocarditis
- 15:10 - 15:35 Gudrun Feuchtner (Innsbruck): Role of CTA and MRI in the Diagnosis of Endocarditis
- 15:35 - 16:00 Fabien Hyafil (Paris): Is There an Optimal Imaging Strategy for Patients Suspected for Endocarditis?

### **Educational Objectives**

1. Learn to understand the clinical challenges of establishing the diagnosis endocarditis.
2. Learn on the role of the different imaging modalities in establishing the diagnosis endocarditis.

### **Summary**

Infective endocarditis (IE) is a deadly disease. Despite improvements in its management, IE remains associated with high mortality and severe complications. The diagnosis of IE is challenging and the evaluation of patients with IE is no longer limited to conventional echocardiography, but should include several other imaging techniques such as  $^{18}\text{F}$ -fluorodeoxyglucose ( $^{18}\text{F}$ -FDG) positron emission tomography (PET)/computed tomography (CT), white blood cell scintigraphy or other (functional) imaging modalities.<sup>1</sup>

This pre-congress symposium on IE has an emphasis on a multidisciplinary approach (i.e. cardiologist, radiologist and nuclear medicine physician). In addition the role of the different imaging modalities in establishing IE will be discussed.

### **Key Words**

Infective Endocarditis;  $^{18}\text{F}$ -FDG, white blood cell scintigraphy, echocardiography

### **References**

1. Lancellotti P et al. ESC Guidelines for the management of infective endocarditis. Eur Heart J. 2015;36:3075–3123.