

*Barcelona, Spain*

## **Pre-Congress Symposium 10**

**Dosimetry Committee/ Radiation Protection Committee**

**Saturday, October 12, 13:00-16:00**

### **Session Title**

**European Projects for Clinical Implementation of Dosimetry in Molecular Radiotherapy**

### **Chairpersons**

Uta Eberlein (Würzburg, Germany)

Glenn Flux (Sutton, United Kingdom)

### **Programme**

#### ***Image Quantification***

13:00 - 13:20 Andrew Robinson (Teddington, United Kingdom): Calibration Protocols for Quantitative Imaging Developed Within the MRTDosimetry Project

13:20 - 14:00 Johannes Tran-Gia, (Würzburg, Germany) and Nick Calvert (Manchester, United Kingdom): Multicentre Quantitative Imaging Exercises and Dosimetry Tool Intercomparison in the MRTDosimetry Project

14:00 - 14:15 Discussion

#### **14:15 - 14:45 Coffee Break**

#### ***Calibration and Practical Implementation***

14:45 - 15:05 Steffie Peters (Nijmegen, Netherlands): Camera (Vendor) Intercomparison for Lu-177 Imaging in the Netherlands

15:05 - 15:25 Katarina Sjögren-Gleisner (Lund, Sweden): The Role of CT in Image-Based Dosimetry

15:25 - 15:45 Francesca Leek (Sutton, United Kingdom): Medirad I-131 Multicentre Trial Set-Up

15:45 - 16:00 Discussion

### **Educational Objectives**

1. Calibration for quantitative imaging
2. Imaging and Dosimetry intercomparison
3. Multicentre trial set-up

### **Summary**

Within different European projects many efforts have been made to improve the traceability of dosimetry in molecular radiotherapy. The aim of this pre-symposium is to give an overview of the results of those efforts and to provide guidance how to implement the different steps needed to perform dosimetry in clinical practice and in multicentre trials.

### **Key Words**

Dosimetry, calibration, quantitative imaging, multicentre trials, molecular radiotherapy