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 Sjögreen-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