

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