MetroMRT 3rd Workshop:

Clinical implementation of dosimetry for molecular radiotherapy
National Physical Laboratory, Teddington, UK
20-21 April 2015

AGENDA:

Monday 20 April
9:00 – 9:30 Registration

Chair: Vere Smyth, NPL, UK
9:30 – 9:35 Welcome and introduction: Vere Smyth, NPL, UK
9:35 - 10:00 The MetroMRT project: towards a dosimetry protocol for MRT: Vere Smyth, NPL, UK
10:00 – 10:20 Analysis of the uncertainty in MRT dosimetry: Maurice Cox, NPL, UK

The official advice and requirements for MRT dosimetry
10:20 – 10:40 European Association of Nuclear Medicine Guidance Documents: Glenn Flux, EANM Dosimetry Committee, Royal Marsden Hospital / Institute of Cancer Research, UK

10:40 – 11:10 Coffee

Chair: Lena Johansson, NPL, UK
11:10 – 11:30 The IAEA BSS and development of an international dosimetry protocol: Gian Luca Poli, IAEA, Austria
11:30 - 11:50 Dosimetry as an element of radiation safety in nuclear medicine: Sören Mattsson, ICRP, Sweden
11:50 – 12:15 Discussion

12:15 – 13:15 Lunch

Chair: Matt Guy, University Hospital Southampton, UK

How to do it
13:45 – 14:05 The NUKDOS software for treatment planning in MRT, Ulm, Mannheim, Würzburg: Michael Lassmann, Julius-Maximilians-University, Germany
14:05 – 14:25 Dose calculation methods: Mike Stabin, Vanderbilt University, USA
14:25 – 14:45 Lund dosimetry incorporating Biological Effective Dose: Michael Ljungberg, Lund University, Sweden
14:45 – 15:00 Discussion

15:00 – 15:30 Coffee
**Chair: Mark Konijnenberg, Erasmus Medical Centre, Netherlands**

15:30 – 15:50  Dosimetry at Royal Marsden Hospital / Institute of Cancer Research: Glenn Flux
15:50 – 16:10  Dosimetry at Southampton: Matt Guy, University Hospital Southampton, UK
16:10 – 16:30  Medical Device and Health software – Standards and regulations now and in the future: Justin McCarthy, Clin Eng Consulting Ltd, UK
16:30 – 17:00  Discussion
17:00       End of day 1

**Tuesday 21 April**

**Chair: Michael Ljunberg, Lund University, Sweden**

**How to do it (continued)**

9:30 – 9:50  Dosimetry experience at IEO, Milan: Mahila Ferrari, European Institute of Oncology, Italy
9:50 – 10:10 Erasmus experience: Mark Konijnenberg, Erasmus Medical Centre, Netherlands
10:10 – 10:30 Nantes experience: Ludovic Ferrer, Nantes Regional Cancer Institute, France
10:30 – 10:45 Discussion

10:45 – 11:15  Coffee

**Chair: Andy Fenwick, NPL, UK**

**What MRT dosimetry software is available commercially?**

11:15 – 11:45 GE Healthcare: David Whalley
11:45 – 12:15 Philips: Alexander Fischer
12:15 – 12:45 Hermes: Sofia Bertling

12:45 – 13:45  Lunch

**Chair: Glenn Flux, Royal Marsden Hospital / Institute of Cancer Research, UK**

**The way forward?**

13:45 – 14:15  Dose escalation clinical trials: Prakash Manoharan, Christie, UK
14:15 – 14:45  Experience with a dosimetry-based PRRT trial at Reggio Emilia: Annibale Versari, Santa Maria Nuova Hospital, Italy
14:45 – 15:15  Dosimetry requirements and QA in a clinical trial: Elizabeth Miles, NCRI Radiotherapy Trials QA Group, UK

**Chairs: Vere Smyth and Lena Johansson, NPL, UK**

15:35 – 16:00  Roundtable discussion and conclusions
16:00      End of workshop