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
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 – 11:00   The IAEA BSS and development of an international dosimetry protocol: Gian Luca Poli, IAEA, Austria

11:00 – 11:30  Coffee

11:30 - 11:50  Dosimetry as an element of radiation safety in nuclear medicine: Sören Mattsson, ICRP, Sweden
12:10 – 12:30  Discussion

12:30 – 13:30  Lunch

How to do it
13:30 – 14:00  Guidance for best practice from MetroMRT: Lena Johansson, NPL, UK
14:00 – 14:20  The NUKDOS software for treatment planning in MRT, Ulm, Mannheim, Würzburg: Michael Lassmann, Julius-Maximilians-University, Germany
14:20 – 14:40  Dose calculation methods: Mike Stabin, Vanderbilt University, USA
14:40 – 15:00  Lund dosimetry incorporating Biological Effective Dose: Michael Ljungburg, Lund University, Sweden
15:00 – 15:30  Coffee

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

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

What MRT dosimetry software is available commercially?
11:15 – 11:45  GE Healthcare: David Whalley
11:45 – 12:15  Philips: Timo Paulus
12:15 – 12:45  Hermes: Sofia Bertling
12:45 – 13:45  Lunch

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