

# European Workshop on Quantitative Imaging for Molecular Radiotherapy: Metrology for Clinical Practice

## Program

Wednesday, 05 April

10:30	<b>Welcome and opening of the workshop</b>	Introduction
10:40	<b>Franz Josef Maringer</b> , Bundesamt für Eich- und Vermessungswesen International metrology infrastructure and research	
10:50	<b>Vere Smyth and Andrew Robinson</b> , National Physical Laboratory The MRTDosimetry project	A: clinical practice in molecular radiotherapy
11:10	<b>James Scuffham</b> , Royal Surrey County Hospital Calibration of a QI system at Royal Surrey County Hospital - practicalities from a hospital physicist perspective	
11:30	<b>Maria Kotzasaridou</b> , "Theagenio" Hospital of Thessaloniki Department's methods for <sup>223</sup> Ra and <sup>131</sup> I dosimetry	
11:50	<b>Katarina Sjörgreen Gleisner</b> , Lunds Universitet Our clinical procedure for <sup>177</sup> Lu dosimetry	
12:10	<b>Maria Kotzasaridou</b> , "Theagenio" Hospital of Thessaloniki Establishment of patient specific dosimetry in clinical routine	
12:30	<b>Thiago Lima</b> , Kantonsspital Aarau Overview of the Swiss Nuclear Medicine Dosimetry Method	
12:50	<b>Stephan Witoszynskyj</b> , Allgemeines Krankenhaus Wien Stumbling towards (accurate) quantitative imaging	
13:10	<i>Discussion on clinical practice and future developments</i>	
13:40	<i>Lunch/coffee break</i>	
14:40	<b>Keynote Brian Hutton</b> , University College London Dealing with partial volume and motion effects in SPECT quantification	B: methods for quantitative imaging
15:20	<b>Keynote Eric Frey</b> , Johns Hopkins How to achieve QI measurements of activity in arbitrary volumes in patients within an acceptable level of uncertainty	
16:00	<b>Gwennaëlle Marin</b> , Université Libre de Bruxelles Towards a quality assurance for dosimetry in fractionated MRT	
16:20	<i>Coffee break</i>	
16:40	<b>Nick Bates</b> , Royal Surrey County Hospital On the dependence of gamma camera image uniformity on count-rate for <sup>131</sup> I	
17:00	<b>Johan Gustafson</b> , Lunds Universitet Segmentation of kidneys and tumors from 3D SPECT images	
17:20	<b>Wencke Lehnert</b> , ABX-CRO Quantitative Imaging and Dosimetry in Clinical Trials from a CRO Perspective	
17:40	<b>Elisa Grassi</b> , Arcispedale Santa Maria Nuova Azienda Ospedaliera Preliminary results of therapy response and toxicity analysis in a clinical PRRT trial	
18:00	<i>Discussion on QI methods and needs</i>	
18:30	<b>End of day 1</b>	

20:00	<p><b>Dinner at „Griechenbeisl"</b> Griechengasse 9/Fleischmarkt 11, 1010 Wien</p> <p>Tel.: +43 1 5331977, <a href="mailto:office@griechenbeisl.at">office@griechenbeisl.at</a></p>	Dinner
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# Program

## Thursday, 06 April

09:00	<b>Keynote Irène Buvat, Service Hospitalier Frédéric Joliot</b> Issues in quantitative imaging	C: dosimetry, calibration and validation
09:40	<b>Hugo Levillain</b> , Université Libre de Bruxelles Quality assurance of activity administration in Selective Internal Radiation Therapy (SIRT)	
10:00	<b>Lidia Strigari</b> , Istituti Fisioterapici Ospitalieri Image quantification and dosimetry at the National Cancer Institute Regina Elena, Rome	
10:20	<b>Johannes Tran-Gia</b> , Universitätsklinikum Würzburg 3D Printing for the Calibration of SPECT/CT Systems	
10:40	<b>Domenico Finocchiaro</b> , Arcispedale Santa Maria Nuova Azienda Ospedaliera A recovery coefficient method for partial volume correction of spect images in PRRT	
11:00	<b>Michael Lassmann</b> , Universitätsklinikum Würzburg Accurate Dose Mapping after Endoradiotherapy with <sup>177</sup> Lu-DOTATATE/-TOC by One-Single Measurement after 96 h	
11:20	<i>Coffee break</i>	
11:50	<b>Domenico Finocchiaro</b> , Arcispedale Santa Maria Nuova Azienda Ospedaliera Validation of a voxel-dosimetry and radiobiology tool for patient specific peptide receptor radionuclide therapy	
12:10	<b>Francesca Botta</b> , Istituto Europeo di Oncologia Pre-treatment dosimetry with patient relative calibration for <sup>90</sup> Y-microspheres radioembolization: the impact of <sup>99m</sup> TcMAA-SPECT corrections	
12:30	<i>Discussion on methods on dose modelling quality assurance, calibration and validation</i>	
13:00	<i>Lunch/coffee break</i>	
14:00	<b>Jonathan Gear</b> , Institute of Cancer Research SPECT based Organ and Lesion Dosimetry for <sup>90</sup> Y/ <sup>111</sup> In PRRT	
14:30	<b>Carlo Chiesa</b> , Istituto Nazionale Tumori Methodology and results of planar calibration with <sup>131</sup> I and <sup>177</sup> Lu in INT (Milan)	
14:50	<b>Michael Ljungberg</b> , Lunds Universitet Problems associated with acquisition, calibration and quantification	
15:10	<b>Kristof Baete</b> , Universitaire ziekenhuizen Leuven Traceable Quantification for <sup>68</sup> Ga based PET/CT	
15:30	<b>Gian Luca Poli</b> , IAEA IAEA activities in the field of dosimetry for Radiopharmaceutical Therapy	
15:50	<i>Discussion and conclusions: future developments, needs, harmonisation of protocols and procedures and clinical implementation</i>	
16:40	<b>End of workshop</b>	

