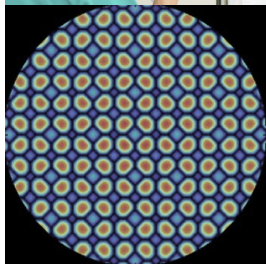
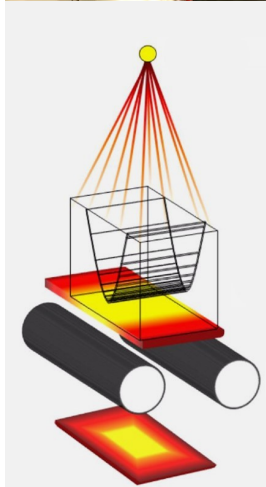
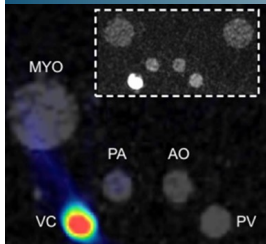


## ECMP 2018 – Pre-meeting workshop – Wednesday 22 August 2018 Patient specific dosimetry for cardiac CT perfusion imaging

– Euramet 15HLT05 / Empir project –



### Purpose

To present the dosimetry methods established in the research project, to be discussed among medical physicist, industry counterparts and healthcare professionals who are dealing with patient specific dosimetry in CT perfusion imaging. The workshop will strengthen the knowledge base of the participants and facilitate further exchange of information and practices regarding the topic.

### PROGRAM

- 08:00-09:00 Registration (*free of charge*)

### Preamble

- 09:00-09:10 Welcome and introduction to the project (*Ludwig Büermann, Germany*)
- 09:10-09:30 Multi-modality imaging of impaired tissue perfusion (*Mika Kortensniemi, Finland*)

### Patient specific dosimetry sub-topics (WP3 of the Euramet 15HLT05)

- 09:30-10:00 General procedure suggested for patient specific dosimetry in computed tomography (*Ludwig Büermann, Germany*)
- 10:00-10:30 Experimental source model determination for dose simulations (*Stephan Rosendahl, Germany*)
- 10:30-11:00 Validation approaches of Monte Carlo methods (*Ralph Schmidt, Germany*)
- 11:00-11:30 Validation of the source model with physical phantom measurements (CTDIvol) (*Teemu Siiskonen, Finland*)
- 11:30-12:00 Anthropomorphic validation of the dosimetry method with clinical scanner (*Stephan Rosendahl, Germany*)

### Lunch break

- 13:00-13:30 Implementation of organ dose determination (*Teemu Siiskonen, Finland*)
- 13:30-14:00 Application of patient specific dosimetry in clinical perfusion CT scans (*Mika Kortensniemi, Finland*)
- 14:00-14:30 AAPM-EFOMP TG-246 patient specific dosimetry perspective (*Jonas Andersson, Sweden*)
- 14:30-15:00 Panel discussion and conclusions (*chaired by Antti Kosunen, Finland*)

More information on registration can be found at [www.ecmp2018.org](http://www.ecmp2018.org)

**EMPIR**



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