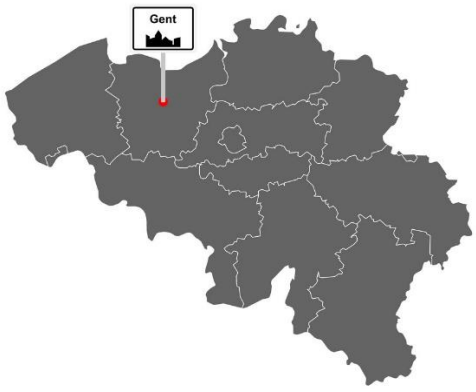
Radiation risk appraisal for detrimental effects from medical exposure during management of patients with lymphoma or brain tumour

SINFONIA course on personalized dosimetry and radiation risk estimation

August 19-20-21 2024, Gent, Belgium

Venue: Multimedia room, Ghent University, Campus Sterre, Building S9, Krijgslaan 281, 9000 Gent



Registration (free of charge) can be done here.

Maximum number of participants: 45 (first come first serve basis)

This project has received funding from Euratom's research and innovation programme 2019-2020 under grant agreement No. 945196

Programme

Day 1 (August 19 2024)

12:00-14:00 *Arrival and lunch*

14:00-14:15 **Welcome and introduction to SINFONIA project**
(J. Damilakis, University of Crete and K. Bacher, Ghent University)

14:15-14:45 **Methodologies for automatic segmentation**
(H. Zaidi, Geneva University)

14:45-15:45 **Patient-specific dosimetry methods for CT and CBCT**
(J. Damilakis, University of Crete)

15:45-16:00 *Break*

16:00-17:00 **Hands on session 1**

Day 2 (August 20 2024)

9:00-10:15 **Patient-specific dosimetry in nuclear medicine:**
Current practice and challenges (K. Bacher, Ghent University)
Advanced patient-specific dosimetry (H. Zaidi, Geneva University)

10:15-11:00 **Out-of-field dosimetry in photon beam therapy**
(M. Romero-Expósito, Stockholm University)

11:00-11:15 *Break*

11:15-12:00 **Out-of-field dosimetry in proton beam therapy**
(M. Romero-Expósito, Stockholm University)

12:00-13:00 **Hands on session 2**

13:00-14:00 *Lunch break*

14:00-15:00 **Hands on session 3**

15:00-15:30 **Cumulative doses in radiotherapy treatment of brain cancer and lymphoma**
(J. Rutten, Ghent University)

15:30-17:00 **Radiobiologic update: results from the SINFONIA project**
(A. Baeyens, Ghent University)

Day 3 (August 21 2024)

9:00-10:00 **Patient-specific radiation risk estimation**
(K. Bacher, Ghent University)

10:00-11:30 **Hands on session 4**

11:30-12:00 **Closing remarks**
(J. Damilakis, University of Crete and K. Bacher, Ghent University)

12:00-13:00 *Lunch*

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