



SSRMP Continuous Education Day 22 November 2024

CHUV
-
Lausanne



From single-energy CT to multi-energy CT: Challenges in medical imaging and radiotherapy

Agenda

- 9:30 - 9:45 **Welcome of participants**
- 9:45 - 11:15 **Single-energy CT (technique, dose, IQ, application to RT)**
 - Presentation 1: Basic principles of CT – D. Cester (Zurich)
 - Presentation 2: CT challenges in radiotherapy – F. Mieville (Fribourg)
- 11:15 - 11:30 **Break**
- 11:30 - 13:00 **SSRMP General Assembly**
- 13:00 - 14:00 **Lunch break**
- 14:00 - 15:30 **Session 2 Spectral CT**
 - Presentation 3: DECT physical principles (30 min) – A. Viry (Lausanne)
 - Presentation 4: Technological perspectives of photon-counting CT – L. Gallego (Lausanne)
 - Presentation 5: PCCT in radiation therapy – S. Tanadini (Zurich)
- 15:30 - 15:45 **Break**
- 15:45 - 16:25 **Session 3 Clinical applications**
 - Presentation 6: Main clinical applications of spectral CT (DECT and PCCT) (40 min) – D. Rotzinger (Lausanne)
- 16:25 - 16:30 **Closing**

The SSRMP general
assembly will take place
during the Continuous
Education Day