

Joint Symposium 11

Oncology & Theranostics Committee / European Society for Radiotherapy & Oncology (ESTRO)

Friday, October 23, 16:55-18:25

Session Title

How Much PET does Radiation Oncology Require?

Chairperson

Annika Loft Jakobsen (Copenhagen, Denmark)

Programme

16:55 - 17:24 Esther Troost (Dresden, Germany / ESTRO): FDG-PET for Radiation Target Volume Delineation

17:24 - 17:43 Sofia Carrilho Vaz (Lisbon, Portugal): PET Beyond FDG

17:53 - 18:22 Barbara Malene Fischer (London, United Kingdom): PET & Radiomics - Does it Matter?

Educational Objectives

1. FDG-PET for radiation target volume delineation
2. PET beyond FDG.
3. PET & Radiomics- does it matter?

Summary

1. The use of FDG PET/CT for radiation target volume delineation. When and how to use it.
2. As FDG is an unspecific tracer, there is a need of new more specific tracers. What do we have and what are we dreaming of?
3. Images contain a vast amount of information in each pixel. Can we extract and use this information?

Key Words

Radiation therapy planning, tumor delineation, pitfalls, hypoxia, radiomics