Mini-Course 2
Technologists Committee
Accessible on-demand at any time

Session Title
Case Studies (PET/CT & PET/MRI)

Chairperson
Luca Camoni (Brescia, Italy)

Programme
27 min  Gitte Kodahl (Aarhus, Denmark): Clinical Cases in PET Radiopharmaceutical Production
29 min  André Dias (Aarhus, Denmark): Clinical Cases in PET/CT & PET/MRI
4 min  Session Summary by Chairperson

Educational Objectives
1. To raise awareness of artefacts and pitfalls during PET radiopharmaceutical production.
2. Understand the biological uptake and tracer mechanism.
3. To raise awareness of artefacts and pitfalls during image acquisition and processing in PET/CT and PET/MRI.
4. Understand the importance of proper patient preparation.
5. Correlate anatomical variants and patient anamnesis to possible artefacts and/or pitfalls or pathology.

Summary
The increasement of the PET radiopharmaceuticals available and with the increasing numbers of PET/CT and PET/MRI scanners throughout Europe, makes the knowledge of the methodic, a hot topic for the nuclear medicine technologist (NMT). The NMT should know the wide spectrum of cases this field generates, and deal with them in his/her daily routine.
The aim of this minicourse is to provide interesting case studies which could assist the NMT in the daily PET management.
The first talk in this session, will give basic and more in depth knowledge in the subject of PET radiopharmaceutical production, cases the production staff could encounter during his/hers daily routine. The second talk, will recap PET/CT and PET/MRI scans, and include both pathological and non-pathological patterns and uptake of the radiopharmaceutical.

Key Words
PET radiopharmaceuticals, PET/CT, PET/MRI, production, artefacts, pitfalls, biodistribution