



Learn & Improve Professional Skills Session 6

Radiation Protection Committee

Monday, October 6, 09:45 – 11:15

Session Title

What would you do if...? Radiation Protection Issues in Special Cases of Everyday Practices

Chairpersons

Uta Eberlein (Würzburg, Germany)

Ioannis Iakovou (Thessaloniki, Greece)

Programme

- 09:45 – 10:03 **Imke Schatka** (Berlin, Germany): After an imaging procedure, it is realised that the patient is pregnant. What would you do?
- 10:03 – 10:21 **Sigrid Leide Svegborn** (Lund, Sweden): A breast-feeding patient needs a NM scan or NM treatment. What would you do?
- 10:21 – 10:39 **Jens Kurth** (Rostock, Germany): A Patient treated with Lu-177, I-131 or Ra-223 needs to be transferred to an intensive care unit or any other department of the hospital. What would you do?
- 10:39 – 10:57 **Jochem van der Pol** (Maastricht, Netherland): How do you report SUV in PET in case of an extravasation?
- 10:57 – 11:15 **Anna Stenvall** (Lund, Sweden): A patient who has recently undergone a nuclear medicine procedure sets off an alarm at an airport security scanner. What would you do?

Educational Objectives

This engaging session aims to stimulate the audience by exploring various scenarios that demand specific considerations for radiation protection. While these cases frequently arise in practice, the absence of written guidelines often necessitates individual judgment on the part of professionals in charge. Our primary objective is to facilitate an enriching discussion and provide valuable guidance to all those who encounter such situations.

Summary

This interactive LIPS session is tailored to engage the audience by delving into a spectrum of scenarios requiring meticulous considerations for radiation protection. These scenarios encompass diverse situations such as the extravasation of PET radiopharmaceuticals, pregnant or breast-feeding patients, patients that need to be transferred to an intensive care unit or even patients that are stopped at the airport due to an alarm. In practice, these situations usually require individualized decision-making by responsible professionals. Our primary goal is to facilitate thought-provoking dialogue and provide valuable insights to those confronted with such complex situations.

Key Words

Radiation Protection; extravasation; intensive care unit; pregnant patient; breast feeding; radionuclide treatment; nuclear medicine diagnostics