CTE Session 7
Technologist Committee
Tuesday, October 18, 15:00-16:30

Session Title
Stem Cells in Nuclear Medicine

Chairpersons
Rie Strand Olsen (Copenhagen, Denmark)
Edgar Lemos Pereira (Almada, Portugal)

Programme

15:00 - 15:02	Introduction by Chairpersons
15:02 - 15:30	**Wiktoria Suchorska** (Poznan, Poland): Stem Cell - What Is It All About?
15:30 - 15.58	**Luka Lezaic** (Ljubljana, Slovenia): Stem Cells and Nuclear Medicine - How and Why Does These Two Correlate?
15:58 - 16:26	**Aljaž Socan** (Ljubljana, Slovenia): Preparation of the Stem Cells
16:26 - 16:30	Summary by Chairpersons

Educational Objectives
1. To give the audience an overview of what stems cells are, and which beneficial effects this knowledge can give us.
2. To show how and why stem cells are not to be ignored in nuclear medicine. And how we use them, which patient populations will benefit from these examinations.
3. Biodistribution of radiolabelled stem cells.
4. To educate in preparation of these stem cells, which isotopes is most commonly used, and how do we prepare the cells, which procedures must they undergo before and examination can be performed?

Summary
In this session, the viewer will get knowledge on stem cells in general, what is stem cells and how can we use them in nuclear medicine to benefit the patient. What is the biodistribution, and how do we use this as a diagnostic tool. Which patient populations will benefit the most from these stem cells examinations, and how do we prepare and use the cells?

Key Words
Stem cells, biodistribution, radiolabeling