Technologists' Mini Course 2
Technologists Committee
Wednesday, September 13, 09:05 – 10:05

Session Title
AI in the technologist practice

Chairpersons
Agata Karolina Pietrzak (Poznan, Poland)
Luisa Roldao Pereira (Maidstone, UK)

Programme
09:05 - 09:35   **Marco De Summa** (Rome, Italy): Improving PET imaging based on artificial intelligence
09:35 – 10:05   **Claudio, Votta** (Rome, Italy)

Educational Objectives
1. To give the audience an example of where technologists use AI in clinical practice
2. To show how AI can help as a diagnostic tool, and why we should embrace it
3. To show how AI can improve the quality of pet images in scenarios with low activity or short acquisition times.

Summary
In this session, the viewer will get knowledge on how technologists use AI clinical practice.
Why we should embrace this "new" technology and use it for our advantage for a beneficial outcome for the diagnostic reliability and the patient. Not so rare do we as technologists stand in a situation with inadequate acquisition quality, due to patient movement, suboptimal injected dose, or shortend scantime maybe related to the patients condition. AI may be a possible solution to help us and these patients get the same diagnostic results and treatment as the routine examinations.
The first speaker will give a presentation of AI in the medical field and show some tools to improve the quality of pet images in scenarios with low activity or short acquisition times.

Key Words
AI, Technologist, clinical practice, MRI, prostate