Pitfalls & Artefacts 1
Cardiovascular + Physics + Technologists Committee
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Session Title
Pitfalls in Cardiovascular Imaging

Chairperson
Samia Massalha (Haifa, Israel)

Programme
29 min    Johanna Diekmann (Hanover, Germany): Clinical Cases
29 min    Luca Camoni (Brescia, Italy): Technologist Cases
29 min    Stephan G. Nekolla (Munich, Germany): Physics Cases
3 min     Session Summary by Chairperson

Educational Objectives
1. Identify where pitfalls may occur and which pitfalls typically occur with which modalities.
2. Learn to recognize and classify pitfalls on the basis of case studies.
3. Learn to eliminate and avoid pitfalls.

Summary
There are numerous pitfalls to consider in cardiovascular nuclear imaging. Due to the unique nature of cardiovascular imaging with motion through the heart, lungs, and patient, the examiner and physician are presented with unique challenges. Also, technical aspects such as attenuation correction often play a key role in certain examinations. Furthermore, the preparation of the patient must often be strictly adhered to. For example, some patients must stop taking certain medications or follow a special diet prior to the examination. Last but not least, the physician must include various aspects such as symptoms, ECG findings, recent surgeries or medication in the patient’s history.
In this session, possible pitfalls will be examined from different angles: from the physician's side, from the technologist’s side and from the physicist's point of view.

Key Words
PET, SPECT, quality control, pitfalls