CTE Session 4  
Technologists Committee  
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Session Title  
Cardiac PET/CT

Chairperson  
MarieClaire Attard (Zwolle, Netherlands)

Programme  
20 min  MarieClaire Attard (Zwolle, Netherlands): Session Introduction  
35 min  Mohammed Mouden (Zwolle, Netherlands): Clinical Examples of Rubidium PET/CT  
35 min  Antti Saraste (Turku, Finland): Research Tracers Used in Cardiac PET/CT

Educational Objectives  
Presentation 1 (Mohammed Mouden)  
1. Brief introduction to cardiac anatomy  
2. Brief introduction to the clinical setting at Isala Hospital  
3. Description of the patients who attend for this examination  
4. Technologist’s role in the preparation of the patient and acquiring good diagnostic images  
5. Clinical examples of Rubidium PET/CT  
6. Possible artefacts and pitfalls with clinical examples as illustrations

Presentation 2 (Antti Saraste)  
1. Brief explanation of cardiac perfusion, metabolism and inflammation  
2. Cyclotron and/or generator produced tracers used for PET/CT cardiac imaging  
3. Carbon, Copper, Fluorine, Nitrogen and Oxygen tracers used for cardiac imaging  
4. Pathologies visualised with these radiotracers  
5. Possible discussion of F-MISO, 18-F Flurpiridaz

Summary  
Advancements in cardiology and its imaging has increased in the last number of years. Mostly because of the availability of the cyclotron and the production of specific tracers to image a particular concern. The introduction of additional scanners make perfusion imaging and research possible and introduce the possibility of gold standards in the further management of the cardiac patient. In this presentation, two aspects of cardiac imaging will be discussed, one already being used in the clinical setting and the second presentation discussing the potential tracers available to continue developments in cardiac PET/CT.

Key Words  
Cardiac PET/CT, rubidium, clinical examples, cyclotron, radiotracers, cardiac perfusion, pathologies