



Learn & Improve Professional Skills Session 7

Cardiovascular Committee

Monday, October 21, 15:00 - 16:30

Session Title

Motion Correction in Cardiac PET

Chairpersons

Carmela Nappi (Naples, Italy)

Anne Larsson Strömvall (Umea, Sweden)

Programme

- 15:00 - 15:20 **Ian Armstrong** (Manchester, UK): Data-driven motion correction for Rb-82
- 15:20 - 15:40 **Jonny Nordström** (Uppsala, Sweden): Impact from and correction of motion in 15O-water PET
- 15:40 - 16:00 **Kshama Wechalekar** (London, UK): Clinical impact of motion correction in dynamic PET imaging: working with moving targets
- 16:00 - 16:20 **Lalith Sundar** (Vienna, Austria): Navigating Whole-body Motion: Insights from LaFoV PET Motion Correction
- 16:20 - 16:30 Discussion

Educational Objectives

1. To understand the methods of cardiac motion correction in PET.
2. To understand the clinical impact of cardiac motion correction in PET.
3. To understand the limitations of cardiac motion correction in PET.

Summary

The heart represents a challenging target for imaging in general and PET is no exception. This session discusses methods, limitations and clinical impact for those imaging approaches especially with advanced quantification and kinetic modelling in mind.

Key Words

Cardiac PET; motion correction; motion artefacts; flow quantification