

Joint Symposium 26

Physics Committee + Oncology & Theranostics Committee / American Association of Physicists in Medicine (AAPM)

Friday, October 30, 13:50-15:20

Session Title

Quantitative SPECT - An Essential Tool?

Chairperson

Cecilia Hindorf (Lund, Sweden)

Programme

- 13:50 - 14:19 Gemma Roberts (Newcastle, United Kingdom): How we get from SPECT to Quantitative SPECT
- 14:19 - 14:48 Cheenu Kappadath (Houston, United States of America / AAPM): The Limitations and Pitfalls of Quantitative SPECT
- 14:48 - 15:17 Stefan Vöö (London, United Kingdom): A Physicians View of Quantitative SPECT

Educational Objectives

1. Understand the transition from SPECT to quantitative SPECT
2. Understand the limitations and pitfalls of quantitative SPECT and the need for harmonisation
3. Understand the potential clinical applications of quantitative SPECT

Summary

Quantitative SPECT is an emerging technology that can provide SUV and/or activity concentration information to SPECT imaging. In this session we will explore the development of quantitative SPECT before understanding its capabilities and limitations. With the technology described, the session will finish with a description of current and potential future clinical applications of quantitative SPECT.

Key Words

SPECT, Quantification, SUV