CME 13
Translational Molecular Imaging and Therapy + Physics + Oncology & Theranostics + Technologist Committee
Friday, October 30, 13:50-15:20

Session Title
Radiomics in a Preclinical and a Clinical Setting

Chairperson
Chiara M. Grana (Milan, Italy)

Programme
13:50 - 14:19  Mathieu Hatt (Brest, France): Radiomics and Nuclear Medicine - The Basis for Understanding its Value and a Revision of Literature
14:19 - 14:34  Nicola Fazio (Milan, Italy): Radiomics and Nuclear Medicine - Oncologist’s Requests
14:34 - 14:49  Margarita Kirienko (Milan, Italy): Radiomics and Nuclear Medicine - Nuclear Physician’s Response
14:49 - 15:18  Philippe Lambin (Maastricht, Netherlands): Radiomics and the Future - Where are we Going?

Educational Objectives
1. To learn the basis of radiomics
2. To understand the role of radiomics in preclinical and clinical settings
3. To receive information about the future of radiomics

Summary
As a high-throughput approach to convert medical images into mineable data, radiomics is a method to extract diagnostic, prognostic, and predictive features from medical images. As such, radiomics is an emerging field of study, in particular in oncology, that can aid in the development of a personalized and precision medicine. In this session we intend to offer a review of the preclinical and clinical applications of radiomics and what we can expect for the future.

Key Words
Radiomics, radiogenomics, cancer