CME 13
Translational Molecular Imaging and Therapy + Physics + Oncology & Theranostics + Technologist Committee
Wednesday, October 21, 08:00-09:30

Session Title
Radiomics in a Preclinical and a Clinical Setting

Chairpersons
Chiara M. Grana (Milan, Italy)
An Aerts (Mol, Belgium)

Programme
08:00 - 08:30  Mathieu Hatt (Brest, France): Radiomics and Nuclear Medicine - The Basis for Understanding its Value and a Revision of Literature

08:30 - 08:45  Nicola Fazio (Milan, Italy): Radiomics and Nuclear Medicine - Oncologist’s Requests

08:45 - 09:00  Margarita Kirienko (Milan, Italy): Radiomics and Nuclear Medicine - Nuclear Physician’s Response

09:00 - 09:30  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