

Barcelona, Spain

Annual Congress of the
European Association of Nuclear Medicine

October 12 – 16, 2019
Barcelona, Spain

CME 1

Dosimetry Committee

Sunday, October 13, 08:00-09:30

Session Title

An Educational Trip from Organ to Voxel-Based to Small Scale Dosimetry

Chairpersons

Manuel Bardiès (Toulouse, France)

Glenn Flux (London, United Kingdom)

Programme

08:00 - 08:30 Jonathan Gear (London, United Kingdom): Organ Level Dosimetry

08:30 - 09:00 Nicolas Chouin (Nantes, France): Voxel Level Dosimetry

09:00 - 09:30 Peter Bernhardt (Gothenburg, Sweden): Small Scale Dosimetry - Not so Appealing,
but...It's just Dosimetry

Educational Objectives

1. Understand the basics of organ level dosimetry and the pro's and con's of applying this dosimetry clinically.
2. Understand the basics of generating 3D dose distributions at the voxel level and the advantages and potential pitfalls of this approach.
3. Gain an Overview of how dosimetry can be applied at a scale beyond that visible with scintigraphy imaging and how that information can be used to aid the understanding of treatment delivery.

Summary

An introductory overview of organ based dosimetry including methods for quantitative imaging and dose calculations – with clinical examples

An introductory overview of voxel based dosimetry methods including requirements for quantitative imaging and dose calculations – with clinical examples

An introductory overview of methods for cellular and bone marrow dosimetry with clinical examples

Key Words

Dosimetry