

## Dose-Effect Response to Targeted Radionuclide Therapy

ESMIT

**Facilitators:** Julie Nonnekens, Erasmus MC (Radiobiologist)  
Lars Tore Gyland Mikalsen, Oslo University Hospital, Norway (Dosimetry Expert)  
Francesco Cicone, Magna Grecia University, Catanzaro, Italy (Nuclear Medicine Physician)  
Francesco Gianmarille, IAEA (Nuclear Medicine Physician)

### Day 1 – Foundations of TRT – March 19, 2026

		<b>min</b>	<b>Presented by</b>
<b>Session I -</b>			
09:00 - 09:15	Welcome and Course Introduction	15	All
09:15 - 10:30	Basics of Radiobiology for TRT	45	JN
10:30 - 10:45	Coffee Break	15	
<b>Session II -</b>			
10:45 - 11:30	EBRT vs TRT: Physical and Biological Differences	45	JN + FG
11:30 - 12:15	Dosimetry Methodology: Core Concepts	45	LTGM
12:15 - 13:15	Lunch Break	60	
<b>Session III -</b>			
13:15 - 14:15	Imaging to Dose: Core Workflow	60	LTGM
14:15 - 15:00	Clinical Dosimetry Integration in TRT	45	LTGM + FC
15:00 - 15:15	Coffee Break	15	
<b>Session IV -</b>			
15:15 - 16:30	Joint Case Session: Radiobiology + Dosimetry Synergy in Patient Management	75	All
16:30 - 17:30	Interactive Workshop: Design a Patient-Specific TRT Plan	60	All
17:30	End of Day 1		

### Day 2 – Clinical Applications by Target & Molecule – March 20, 2026

		<b>min</b>	
<b>Session I -</b>			
09:00 - 10:15	Neuroendocrine Tumours and Somatostatin-Ligands	75	FG + FC
10:15 - 10:30	Coffee Break	15	
<b>Session II -</b>			
10:30 - 11:45	Prostate Cancer and PSMA Inhibitors	75	FC
11:45 - 12:30	Thyroid Cancer / Autonomy & Iodine Therapy (Condensed Focus)	45	FG
12:30 - 13:30	Final Q&A and Self-Assessment Quiz	60	All
13:30 - 13:45	Wrap-Up, Feedback, Certificates	15	All
13:45	End of Day 2		