

The EANM and IAEA recommendations for technologists' practice in nuclear medicine: IAEA

Theranostic Course

4-8 March 2024, Belgrade,

Venue: Serbian Medical Society Building



Co-funded by
the European Union



Jean Monnet Module:
**Multi-disciplinary Education for Improving Quality of
Nuclear Medicine Practice Based on the European Union Regulations and the
International Atomic Energy Agency Programs (EDUQUAN)**
ERASMUS-JMO-2021-HEI-TCH-RSCH





Co-funded by
the European Union



Organizers:

Prof. Dr Vera Artiko
Prof. Dr Dragana Šobić Šaranović

Technical organizer:

Mr. Ph. Mirjana Kovačević

IAEA lecturers:

Manuel Bardies
Carlo Chiesa
Jose Fragoso
Peter Knoll

Local lecturers:

Prof. Dr Jasna Mihailović
Assoc. Prof. Vladimir Vukomanović
Assoc. Prof. Vesna Ignjatović
Dr Marina Popović
Dr Marija Jeremić

Participants:

Nuclear medicine physicists
Nuclear medicine technologists
Nuclear medicine physicians



Monday, 4th of March 2024

Monday, 4 th of March 2024				
		<i>Lecture title</i>	<i>Duration</i>	<i>Lecturer</i>
9:00	9:15	Inauguration - Admin matters - Presentation of audience/lecturers	0:15	All
9:15	9:45	Pre-course test	0:30	
9:45	10:15	Clinical application Thyroid cancer in children	0:30	Prof. Dr. Jasna Mihailović
10:15	10:45	Clinical application Thyroid cancer in adults	0:30	Dr. Marina Popović
10:45	11:00	<i>Coffee break</i>	<i>0:15</i>	
11:00	11:30	Clinical application NET	0:30	Assist. Prof. Dr. Vesna Ignjatović
11:30	12:00	Clinical applications: Prostate Cancer	0:30	Assist. Prof. Dr. Vladimir Vukomanović
12:00	12:30	Radiation safety for staff and public during TRT	0:30	Dr. sci. phys. Marija Jeremić
12:30	13:00	Regulatory aspects within the EU	0:30	Carlo Chiesa, Italy
13:00	14:00	<i>Lunch Break</i>	<i>1:00</i>	
14:00	14:45	Introduction to targeted radionuclide therapy dosimetry (MIRD)	0:45	Manuel Bardies, France
14:45	15:30	Diagnostic and therapy: 2 levels of implementation of dosimetry	0:45	Manuel Bardies, France
15:30	15:45	<i>Coffee break</i>	<i>0:15</i>	
15:45	16:15	Benign thyroid dosimetry without imaging	0:30	Carlo Chiesa, Italy
16:15	16:45	Whole body dosimetry	0:30	Carlo Chiesa, Italy
16:45	17:00	Debrief of day 1	0:15	All
		TOTAL	8:00	



Co-funded by the
European Union

“Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or European Education and Culture Executive Agency (EACEA). Neither the European Union nor the granting authority can be held responsible for them.” (EDUQUAN) ERASMUS-JMO-2021-HEI-TCH-RSCH

Tuesday, 5th of March 2024

	Title	Duration	Who
9:45	Quantitative imaging 1	0:45	Carlo Chiesa
10:30	Quantitative imaging 2	0:45	Carlo Chiesa
10:45	<i>Coffee break</i>	0:15	
11:30	Time-Activity-Curve fitting	0:45	Manuel Bardies
12:15	Radiation transport and energy deposition	0:45	Manuel Bardies
13:00	Radiation transport and energy deposition	0:45	Carlo Chiesa
14:00	<i>Lunch Break</i>	1:00	
14:30	Relevance of clinical dosimetry in TRT	0:30	Manuel Bardies
15:00	QA in clinical dosimetry in TRT	0:30	Manuel Bardies
15:30	QA in clinical dosimetry in TRT	0:30	Carlo Chiesa
15:45	<i>Coffee break</i>	0:15	
16:15	IAEA Activities to support NM TRT	0:30	Peter Knoll IAEA, Vienna
16:45	Round table - Implementing TRT dosimetry in practice	0:30	All
17:00	Debrief of Day 2	0:15	All
	TOTAL TIME	8:00	



Co-funded by the
European Union

"Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or European Education and Culture Executive Agency (EACEA). Neither the European Union nor the granting authority can be held responsible for them." (EDUQUAN) ERASMUS-JMO-2021-HEI-TCH-RSCH

Wednesday, 6th of March 2024

		Title	Duration	Who
9:00	9:30	Presentation of the day	0:30	All
9:30	10:30	Introduction to 3D Slicer: first steps with clinical images	1:00	Jose Fragoso, France
10:30	10:45	Coffee break	0:15	
10:45	13:00	Practical 1: 3D Slicer Image display - segmentation	2:15	J Fragoso, M Bardies, C Chiesa
13:00	14:00	Lunch Break	1:00	
14:00	15:30	Practical 2: 3D Slicer Image registration	1:30	J Fragoso, M Bardies, C Chiesa
15:30	15:45	Coffee break	0:15	
15:45	16:30	Demo: Slicer RT	0:45	J Fragoso, M Bardies, C Chiesa
16:30	17:00	Debrief of day 3	0:30	All

Thursday, 6th of March 2024

		Title	Duration	Who
9:00	9:30	Presentation of the day	0:30	All
9:30	10:30	Introduction to OpenDose3D	1:00	J Fragoso, M Bardies, C Chiesa
10:30	10:45	Coffee break	0:15	
10:45	13:00	Practical 4: PRRT	2:15	J Fragoso, M Bardies, C Chiesa
13:00	14:00	Lunch Break	1:00	
14:00	15:30	Practical 4: PRRT (continued)	1:30	J Fragoso, M Bardies, C Chiesa
15:30	15:45	Coffee break	0:15	
15:45	16:30	Demo: 131I dosimetry	0:45	J Fragoso, M Bardies, C Chiesa
16:30	17:00	Debrief of day 4	0:30	All



Co-funded by the
European Union

"Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or European Education and Culture Executive Agency (EACEA). Neither the European Union nor the granting authority can be held responsible for them." (EDUQUAN) ERASMUS-JMO-2021-HEI-TCH-RSCH

Friday, 6th of March 2024

		Title	Duration	Who
9:00	10:30	Practicals: free time	1:30	
10:30	10:45	Coffee break	0:15	
10:45	11:30	Final test	0:45	M Bardies, J Fragoso, C Chiesa
11:30	12:15	Discussion of results	0:45	M Bardies, J Fragoso, C Chiesa
12:15	13:00	Open discussion: Current situation of dosimetry and medical physics in the country - future moves	0:45	All
13:00	14:00	Lunch Break	1:00	
14:00	14:30	Closure / Handling of certificates	0:30	



Co-funded by the
European Union

"Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or European Education and Culture Executive Agency (EACEA). Neither the European Union nor the granting authority can be held responsible for them." (EDUQUAN) ERASMUS-JMO-2021-HEI-TCH-RSCH





