



Schweizerische Gesellschaft für Strahlenbiologie und Medizinische Physik

Société Suisse de Radiobiologie et de Physique Médicale

Società Svizzera di Radiobiologia e di Fisica Medica

Swiss Society of Radiobiology and Medical Physics Member of the European Federation of Organisations for Medical Physics (EFOMP) and the International Organization for Medical Physics (IOMP)

## Diagnostic and intraoperative imaging Education course Program 2024

### Monday April 15th Introduction to diagnostic and intraoperative imaging

Time	Title	Speaker
9:15– 9:30	Welcome and General Information	Dr. Natalia Saltybaeva, UniSpital Zurich
9:30 – 10:00	Introduction to intraoperative and diagnostic imaging	Invited speaker
10:00 – 10:45	Planar imaging & RX equipment	Dr. Elina Samara, UniSpital Zurich
10:45 – 11:00	Coffee break	
11:00 – 11:45	CT technology and equipment	Dr. Natalia Saltybaeva, UniSpital Zurich
11:45 – 13:00	Lunch break	
13:00 – 13:45	Image quality (quantities and metrics)	Invited speaker
13:45 – 14:30	Quality Assurance in radiological department	Dr. Natalia Saltybaeva, UniSpital Zurich
14:30 – 14:45	Coffee break	
14:45 – 17:00	<b>Group A:</b> Hands-on CT (Natalia Saltybaeva) <b>Group B:</b> Hands-on Fluoroscopy (Elina Samara)	

## Tuesday April 16th Patient dosimetry and optimisation

Time	Title	Speaker
8:45– 9:30	Patient dosimetry (focus: fluoroscopy)	Dr. Elina Samara, UniSpital Zurich
9:30 – 10:00	Patient dose optimisation (focus: fluoroscopy)	Dr. Elina Samara, UniSpital Zurich
10:00 – 10:45	Coffee break	
10:45 – 11:30	Dosimetry in CT	Dr. Natalia Saltybaeva, UniSpital Zurich
11:30 – 12:15	Patient dose optimisation (focus: CT)	Dr. Natalia Saltybaeva, UniSpital Zurich
12:15 – 13:30	Lunch break	
13:30 – 14:00	Dose management systems	Dr. Elina Samara, UniSpital Zurich
14:00 – 14:30	Dose Reference Levels	Dr. Natalia Saltybaeva, UniSpital Zurich
14:30 – 14:45	Coffee break	
14:45 – 17:00	<b>Group A: Hands-on Fluoroscopy (Elina Samara)</b> <b>Group B: Hands-on CT (Natalia Saltybaeva)</b>	

## Wednesday April 17<sup>th</sup> Radioprotection for the staff and general public

Time	Title	Speaker
8:45– 9:30	Legal aspects and responsibilities of the medical physicist	Invited speaker
9:30 – 10:15	Dosimerty for the staff	Dr. Natalia Saltybaeva, UniSpital Zurich
10:15 – 10:30	Coffee break	
10:30 – 11:00	Practical radiation protection for the staff	Invited speaker
11:00 – 11:45	Hands-on: radiation protection for the staff	Dr. Elina Samara, UniSpital Zurich
12:15 – 13:30	Lunch break	
13:30 – 14:00	Concept of clinical audits	Invited speaker
14:00 – 14:30	Construction shielding legal and practical aspects	Dr. Jonas Ekeberg, UniSpital Zurich
14:30 – 14:45	Coffee break	
14:45 – 17:00	Hands-on: construction shielding ( <b>Group A and Group B together</b> )	