

UCSF Radiation Safety in Computed Tomography Virtual Symposium

Thursday – Sunday, February 2-5, 2023

LIVE STREAM COURSE

Times shown in Pacific Standard Time

THURSDAY, FEBRUARY 2, 2023

Time	Length	Title	Speaker
7:25	25	Meet the Professors: Dr. Matthew Zygmunt	Dr. Matthew Zygmunt
7:50	10	Welcome and Introduction	Dr. Rebecca Smith-Bindman
Best Practices of Organizations that Optimize Dose			
8:00	45	Radiation From Medical Imaging: A Hidden Epidemic	Dr. Rebecca Smith-Bindman
8:45	45	CT Dose Management – It Takes a Village	Dr. Pavlina Pike
9:30	60	Quality Improvement Approach for Compliance and Dose Management	Dr. Matthew Zygmunt
10:30	10	<i>Break</i>	
10:40	45	Best Practices of Organizations with Optimized Doses	Dr. Rebecca Smith-Bindman
11:25	45	Strategies for Dose Optimization: Views from Health Care Systems	Dr. Robin Whitebird
12:10	30	<i>Lunch Break</i>	
12:40	45	Radiation Dose, Image Quality, and Utilization: Practical Tips and Clinical Practice Improvement Strategies for Neuroimaging	Dr. Rajiv Gupta
1:25	45	Joint Commission: Perspectives on Radiation Dose and Radiology	Dr. Andrea Browne
2:10	10	<i>Break</i>	
2:20	45	NQF Pediatric Measure	Missy Danforth
3:05	25	Meet the Professors: Dr. Pavlina Pike	Dr. Pavlina Pike
3:30		<i>Adjourn</i>	

FRIDAY, FEBRUARY 3, 2023

Key Concepts in Dose Management / Dose Reduction: Optimizing Protocols & Considerations

7:35	25	Meet the Professors: Dr. Aaron Sodickson	Dr. Aaron Sodickson
8:00	45	How to Make Your Scanner Sing: Protocol Optimization for High Quality at Low Dose	Dr. Aaron Sodickson
8:45	45	Artificial Intelligence, Radiation and CT Image Quality	Dr. Eliot Siegel
9:30	45	Focus on Patients Who Receive Particularly High Doses Over Time	Dr. Madan Rehani
10:15	10	<i>Break</i>	
10:25	25	Optimizing Doses for Abdomen Imaging: Urograms, Stones, Trauma, Pain	Dr. Ramit Lamba
10:50	45	Dual Energy CT: How it Works and How it Adds Clinical Value	Dr. Aaron Sodickson
11:35	25	Abdominal CT Guidance Procedures – Tricks of the Trade for Reducing Dose	Dr. Ramit Lamba
12:00	30	<i>Lunch Break</i>	

Pregnant Patients and Children

12:30	45	Practical Dose Optimization in Children	Dr. Samuel Brady
1:15	25	Dose Optimization and Appropriate Imaging in Non-Gynecologic Acute Abdomen in Pregnancy	Dr. Ramit Lamba
1:40	10	<i>Break</i>	
1:50	40	Strategies for Optimizing CT Doses in Pregnant Patients	Dr. Mannudeep Kalra

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2:30	45	How To Tailor Doses for Small/Large, Pregnant, and Child Patients	Dr. Tim Szczykutowicz
3:15	25	Meet the Professors: Dr. Madan Rehani	Dr. Madan Rehani
3:40		<i>Adjourn</i>	

SATURDAY, FEBRUARY 4, 2023 (HALF DAY)

Radiation and Cancer Risk

8:00	45	Radiation Risk Estimation, and Radiation Concerns in Frequent Flyer Patients: Can Imaging History Influence Decisions About Recurrent Imaging?	Dr. Aaron Sodickson
8:45	45	Risk of Cancer from Medical Imaging	Dr. Amy Berrington de González
9:30	45	Radiation from PET-CT: Where are We as a Field?	Dr. Benjamin Lewis Franc
10:15	15	<i>Break</i>	

Choosing The Right Protocol

10:30	30	The Use of Multiple Phase Scanning: Do Less	Dr. Rebecca Smith-Bindman
11:00	25	Assigning Patients to Protocols: How We Do It	Dr. Ramit Lamba
11:25	60	Case-based Learning: Improving Quality and Reducing Dose	Dr. Mannudeep Kalra
12:25		<i>Adjourn</i>	

SUNDAY, FEBRUARY 5, 2023

Patient Communication and Role of Technologist

7:35	25	Meet the Professors: Dr. Mannudeep Kalra & Collaborators	Dr. Mannudeep Kalra & Collaborators
8:00	45	Why Radiation Dose is Important to Patients: Perspective of a Mother and a Cancer Health Services Researcher	Dr. Debra Ritzwoller
8:45	45	Communicating the Radiation Risk of CT Imaging	Dr. Jeffery Shyu
9:30	10	<i>Break</i>	
9:40	45	Strategies for Managing a Large CT Department: Communication and Standard Work	Dr. Phuong-Anh Duong
10:25	45	Strategies for Improving Radiologist-Technologist Communication	Dr. Phuong-Anh Duong
11:10	30	<i>Lunch Break</i>	

Following Best Practices

11:40	45	Key Concepts in Radiation Dose Management in CT	Dr. Tim Szczykutowicz
12:25	45	Concrete Strategies I Can Take as a Technologist to Ensure I am Using the Lowest Dose Techniques	Dr. Tim Szczykutowicz
1:10	25	Routine Abdomen CT: How Often are Dose Optimization Approaches Followed?	Dr. Rebecca Smith-Bindman
1:35	10	<i>Break</i>	
1:45	45	How AI Helps in CT Protocol and Dose Optimization	Dr. Mannudeep Kalra
2:30	45	Practical Approaches to Monitoring and Optimization of Patient Dose in CT	Dr. Pavlina Pike
3:15	25	Meet the Professors: Dr. Tim Szczykutowicz	Dr. Tim Szczykutowicz
3:40		Closing	Dr. Rebecca Smith-Bindman