



CHULABHORN
ROYAL ACADEMY
Princess Srisavangavadhana College of Medicine

PSCM School in Adaptive Radiation Therapy 2024 12-14 December 2024

Venue: Princess Srisavangavadhana College of Medicine (PSCM) & Radiation Oncology Department, Chulabhorn Hospital, Chulabhorn Royal Academy, Bangkok, Thailand

Map:

- PSCM: <https://maps.app.goo.gl/A1rtaCn2t8t3e8vS6>
- Chulabhorn Hospital: <https://maps.app.goo.gl/MMvb4L9cdWmWhAFE8>

Target groups: Radiation oncologists, medical physicists, RTTs, MSc students, PhD students and researchers in related fields

Number of participants:

- Max. 180 for lectures on 12-13 December 2024
- Max. 30 for hands-on exercises on 14 December 2024

Accreditation: 12 MPCE credits & 10 RTCE credits

Registration: At <https://shorturl.at/MflZU> (Free of charge)

Contact: pscmschool2024@cra.ac.th

Program

Thursday 12 th December 2024 (Room 3A-301, Fl. 3, PSCM Building)			
Time	Topic	Speaker	Chair
8:30-8:45	Registration		
8:45-9:00	Opening		
9:00-9:30	Refresher lecture: Basic of ART: Physicists’ perspectives	Prof. Dr. Oliver Jäkel (DKFZ)	Asst. Prof. Dr. Thiansin Liamsuwan (PSCM)
9:30-10:00	Refresher lecture: Basic of ART: Clinicians’ perspectives	Dr. Fabian Weykamp, MD (DKFZ)	
10:00-10:30	Refresher lecture: Basic of ART: RTTs’ perspectives	Bualookkaew Sakchatchawan, MSc (Chulabhorn Hospital)	
10:30-11:00	Coffee break & Exhibition		
11:00-12:00	Refresher lecture: Treatment machines and instruments for ART	Dr. Sangutid Thongsawad (PSCM)	Dr. Chirasak Khamfongkhrua (PSCM)
12:00-13:00	Lunch Symposium: The latest technology on Ethos therapy and updates on clinical trend	Carol Huang (Senior Global Product Marketing Manager, Varian) & Dr. Takahiro Hara (Director Product Marketing Asia Pacific and Japan, Varian)	
13.00-14.00	Networking and Coffee break		
14:00-14:30	AI in ART	Dr. Todsaporn Fuangrod (PSCM)	Dr. Sangutid Thongsawad (PSCM)
14:30-15.00	PSQA in online ART	Dr. Chirasak Khamfongkhrua (PSCM)	
15:00-16:00	Current research in ART: clinical, physics, and biology aspects	Prof. Dr. Oliver Jäkel (DKFZ)	

Friday 13 th December 2024 (Room 3A-301, Fl. 3, PSCM Building)			
Time	Topic	Speaker	Chair
8:30-9:00	Experience sharing: ART with ETHOS (Ring based Linac): Chulabhorn Hospital’s perspectives	Thitiwan Prachanukul, MD (Chulabhorn Hospital)	Asst. Prof. Sasikarn Chamchod, MD (PSCM)
9:00-9:30	Experience sharing: ART with ETHOS (Ring based Linac): DKFZ’s perspectives	Dr. Fabian Weykamp, MD (DKFZ)	
9:30-10:00	Experience sharing ART with MR-Linac	Assoc. Prof. Pittaya Dankulchai, MD (Siriraj Hospital)	
10:00-10:30	Coffee break & Exhibition		
10:30-11:15	Clinical outcomes in ART	Dr. Fabian Weykamp, MD (DKFZ)	Dr. Pasit Jarutatsanangkoon (PSCM)
11:15-12:00	Imaging for ART	Prof. Dr. Christian Richter (OncoRay)	
12:00-13:00	Lunch Symposium: Elekta: Revolutionizing Cancer Care with Adaptive Radiotherapy	Benn Perkins (Head of Product Marketing, Linac & MR-Linac, APJ)	
13:00-14:00	ART with particle therapy	Prof. Dr. Christian Richter (OncoRay)	Dr. Sangutid Thongsawad (PSCM)
14:00-15:00	Functional imaging-based ART	Prof. Dr. Iuliana Dasu (Stockholm University) (online)	
15:00-15:15	Coffee break		
15:15-16:15	Panel discussion: Challenges and future directions of ART	Prof. Dr. Oliver Jäkel (DKFZ) Dr. Fabian Weykamp, MD (DKFZ) Prof. Dr. Christian Richter (OncoRay) Assoc. Prof. Pittaya Dankulchai, MD (Siriraj Hospital)	Moderators: Asst. Prof. Dr. Thiansin Liamsuwan (PSCM) Dr. Todsaporn Fuangrod (PSCM)
16:15-16:30	Awarding for top scorers of quiz & Closing of the lecture sessions		

Saturday 14th December 2024 – Hands-on exercises (Room B1 meeting room, Fl. B1, Radiation Oncology Department, Chulabhorn Hospital)

Time	Topic	Speakers
8:45-9:00	Introduction to hands-on exercises	Dr. Sangutid Thongsawad (PSCM)
9:00 – 12:00 Station rotation (1.5 h/station)	Station 1: Planning + Delivery (ETHOS)	
	Station 2: Planning (MR Linac)	Dr. Chirasak Khamfongkhrua (PSCM)
12:00-13:00	Lunch	
13:00-14:00	• Wrap-up & Discussion • Awarding for top scorers of the hands-on exercises • Closing	Wilai Masa-nga, MSc (Chulabhorn Hospital)