



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

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

Number of participants:

- Max. 100 for lectures on 12-13 December 2024
- Max. 30 for hands-on exercises on 14 December 2024

MPCE accreditation: TBC

Registration: At <https://shorturl.at/Mf1ZU> (Free of charge)

Contact: pscmschool2024@cra.ac.th

Program

Thursday 12 th December 2024 (PSCM Building)		
Time	Topic	Speaker
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)
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)
12:00-13:00	Lunch Symposium	TBC
13:00-14:00	Networking and Coffee break	
14:00-14:30	AI in ART	Dr. Todsaporn Fuangrod (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 13th December 2024 (PSCM Building)

Time	Topic	Speaker
8:30-9:00	Experience sharing: ART with ETHOS (Ring based Linac): Chulabhorn Hospital's perspectives	Thitiwan Prachanukul, MD (Chulabhorn Hospital)
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)
11:15-12:00	Imaging for ART	Prof. Dr. Christian Richter (OncoRay)
12:00-13:00	Lunch Symposium	TBC
13:00-14:00	ART with particle therapy	Prof. Dr. Christian Richter (OncoRay)
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	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)
16:15-16:30	Awarding for top scorers of quiz Closing of the lecture sessions	

Saturday 14th December 2024 – Hands-on exercises (Chulabhorn Hospital)

8:45-9:00	Introduction to hands-on exercises	Dr. Sangutid Thongsawad (PSCM)
9:00 – 12:00	<ul style="list-style-type: none">• Station 1: Image registration	Dr. Chirasak Khamfongkhrua (PSCM)
Station rotation (45 min/station)	<ul style="list-style-type: none">• Station 2: Planning + Delivery (ETHOS)	
	<ul style="list-style-type: none">• Station 3: Planning + Delivery (MR Linac)	
12:00-13:00	Lunch	Wilai Masa-nga, MSc (Chulabhorn Hospital)
13:00-14:00	<ul style="list-style-type: none">• Wrap-up & Discussion	
	<ul style="list-style-type: none">• Awarding for top scorers of the hands-on exercises	
	<ul style="list-style-type: none">• Closing	