

	HICARE/IAEA International Training Course	
	IAEA/RCA Regional Training Course: An update on Advanced Technologies in Radiotherapy	
	Hiroshima, Japan January 19-22, 2015	

Venue: conference room at Oriental Hotel Hiroshima (Monday 19 and Tuesday 20)
 Wednesday 21 – the course will take place at Hiroshima University Hospital.
 Thursday 22 – In the morning, the program will continue in the Radiation Effects Research Foundation
 Visit to the Peace Memorial Museum will take place on Thursday 22, afternoon.

Objective: To facilitate the delivery of effective and safe radiotherapy to cancer patients through the optimal utilization of modern radiotherapy technologies.

Learning outcomes

At the conclusion of the program, the learner will be able to:

- Explain the principles of 3D-CRT and its further technological developments
- Describe the basic physics principles behind advanced radiotherapy techniques
- Prescribe a radiotherapy dose for advanced techniques
- Demonstrate skills in target volume contouring and organs at risk
- Identify the main issues on quality and safety in modern radiotherapy.

MONDAY 19		
9:00 – 9:30	Dr. Okubo (President HICARE) Eduardo Rosenblatt (IAEA) Prof. Yasushi Nagata	Welcome and Opening addresses
9:30 – 10:00	David Roberge	Introduction to novel technologies in RT Clinical aspects of IMRT and IGRT
10:00 – 10:30	Tomas Kron	Basic physics of IMRT and IGRT
10:30 – 11:00	Break	
11:00 – 11:30	S. Ozawa	QA system for IGRT
11:30 – 12:00	Tomas Kron	Motion management for RT treatment planning and delivery
12:00 – 12:30	J.W. Lee	IGRT in practice
12:40 – 14:00	Group photo and lunch break	
14:00 – 14:30	K. Shibuya	IMRT for pancreas
14:30 – 15:00	Y.C. Ahn	IMRT for lung cancer
15:00 – 15:30	Break	
15:30 – 16:00	T. Shibata	Delineating targets in head and neck cancer
16:00 – 16:30	Y. Murakami	VMAT for head and neck cancer
18:00 – 20:00	Reception - Oriental Hotel Hiroshima	

TUESDAY 20		
9:00 – 9:30	E. Rosenblatt (IAEA)	IAEA activities in cancer and radiotherapy
9:30 – 10:00	Tomas Kron	SBRT: a physics view
10:00 – 10:30	Matthias Guckenberger	SBRT for lung cancer
10:30 – 11:00	Break	
11:00 – 11:30	Y. Nagata	SBRT for lung cancer in Japan
11:30 – 12:00	E.K. Choi	SBRT for lung cancer in Korea
12:00 – 12:30	T. Kimura	SBRT for liver cancer
12:30 – 14:00	Lunch break	
14:00 – 14:30	M. Guckenberger	SBRT for prostate cancer
14:30 – 15:00	Tomas Kron	Risk management in the context of the new radiotherapy technologies
15:00 – 15:30	D.Roberge	Advanced multi-modality imaging in radiotherapy: CT, PET and MRI
15:30 – 16:00	Break	
16:00 – 17:00	All participants and faculty	The roles of the radiation oncologist in new RT technologies. Writing a RT dose prescription

WEDNESDAY 21		
9:30 – 10:30	Hiroshima University Hospital	Overview of Hiroshima University Hospital
10:30 – 12:30	Hiroshima University Hospital Radiotherapy Center	Treatment planning: demonstration of target and OAR delineations
12:30 – 14:00	Lunch Break	
14:00 – 16:00	Hiroshima University Hospital Radiotherapy Center	Treatment planning: demonstration of target and OAR delineations

THURSDAY 22		
10:00 – 11:45	K.Kodama	Introduction and presentation of Radiation Effects Research Foundation
11:45 – 12:30	Handing of certificates (in RERF venue) Closing remarks	
12:30 – 13:30	Lunch break	
13:30 – 16:30	Hiroshima Peace Memorial Museum A-bomb dome	

“Thank you to the students of the Hiroshima University Cancer Professional Education Program for their support.”