



**IAEA/HICARE CC INTERNATIONAL TRAINING COURSE  
on Medical Responses to Radiation Accidents and Disasters**  
Hiroshima, Japan, January 15-18, 2024.



**Course Director (HICARE):** Nobuyuki HIROHASHI (Professor, Hiroshima University, Research Institution for Radiation Biology and Medicine)

**(IAEA):** Mauro CARRARA (IAEA Section Head, Dosimetry and Medical Radiation Physics Section)

**Venue:** The course will take place at; Radiation Disaster Medical Support Center and Research Institute for Radiation Biology and Medicine, Hiroshima University

Radiation Disaster Medical Support Center

Research Institute for Radiation Biology and Medicine



**Objective:** To train personnel expected to respond to radiation accidents and disasters.

**Learning outcomes:** At the completion of the workshop, the participants will be able to:

- Understand the history of radiation accidents/disasters and basic knowledge on radiation.
- Understand the practical medical management and other related areas responding to radiation accidents and disasters.
- Acquire proven know-how and skills necessary for responding to radiation accidents and disasters.
- Prospective participants: 15 persons from Indonesia, Singapore, Korea, Brazil, and Japan.

<b>Jan 15<sup>th</sup> (Mon)</b>			
08:30 – 09:00	Registration/ Break		
09:00 – 09:30	Kenji KAMIYA (HICARE) Mauro CARRARA (IAEA)	Welcome and Opening addresses	
	Nobuyuki HIROHASHI	Introduction, course presentation Group Photo	
09:30 – 10:30 (Lecture)	Istvan TURAI	IAEA Lecturer, Professor Doctoral School of ELTE Univ. Budapest, Hungary	Radiation Emergencies: Scope of the Problem, Statistics, Classifications
10:40 – 11:40 (Lecture)	Mauro CARRARA	Head of the Dosimetry and Medical Radiation Physics Section, IAEA	Guidance for Medical Physicists Responding to a Nuclear or Radiological Emergency (EPR- MEDICAL PHYSICISTS (2020))
11:40 – 13:10	<b>Lunch Break</b>		
13:10 – 14:10 (Lecture)	Masaharu MAEDA	Professor, Fukushima Medical University	Mental Health in Emergencies
14:20 – 15:20 (Lecture)	Reiko KANDA	Director General of Institute of Radiological Sciences, National Institutes for Quantum Science and Technology (QST)	Risk Communication in Radiation disaster

15:30 – 16:30 (Web Lecture)	Kazuhiko MAEKAWA	Professor Emeritus, University of Tokyo Senior Advisor, the Humanitarian Medical Assistance	Why Do We Have to Be Prepared for Nuclear/Radiological Emergencies?
16:30 – 18:00 (Practice)	Radiation Disaster Medical Support Center Staff		Instructions in the Use of Radiation Protection Equipment and Radiation Measuring Instruments by Disaster Response Personnel in a Nuclear Emergency
18:00 – 20:00	Welcome party		
<b>Jan 16<sup>th</sup> (Tue)</b>			
09:00 – 10:00 (Lecture)	Hiroshi YASUDA	Professor, Research Institute for Radiation Biology and Medicine, Hiroshima University	Dosimetry of Internal and External Exposures in Radiological Emergency
10:10 – 11:10 (Lecture)	Satoshi TASHIRO	Professor, Research Institute for Radiation Biology and Medicine, Hiroshima University	Recent Advances in Biological Dosimetry
11:20 – 12:20 (Lecture)	Istvan TURAI	IAEA Lecturer, Professor Doctoral School of ELTE Univ. Budapest, Hungary	Consequences, Medical Management, and the Lessons Learned from Radiation Accidents in Goiania, Chernobyl, Lilo, Istanbul, Bangkok & Nueva Aldea
12:20 – 13:30	<b>Lunch break</b>		
13:30 – 14:30 (Lecture)	Makoto AKASHI	Professor, Tokyo Healthcare University	Internal Irradiation
14:40 – 15:40 (Lecture)	Makoto AKASHI	Professor, Tokyo Healthcare University	Lessons learned from Fukushima, Tokai-mura Accident
15:45 – 16:15 (Lecture)	Istvan TURAI	IAEA Lecturer, Professor Doctoral School of ELTE Univ. Budapest, Hungary	The Assessment of the Situation and Actions Made in a Country at ab. 11 Thousand km Away from Fukushima
16:25 – 17:25 (Practice)	Radiation Disaster Medical Support Center Staff		Whole Body Counter (Research Institute for Radiation Biology and Medicine)
<b>Jan 17<sup>th</sup> (Wed)</b>			
09:00 – 10:00 (Lecture)	Istvan TURAI	IAEA Lecturer, Professor Doctoral School of ELTE Univ. Budapest, Hungary	Medical Management On-site and at Pre-hospital Levels
10:10 – 11:10 (Lecture)	Nobuyuki HIROHASHI	Professor, Research Institute for Radiation Biology and Medicine, Hiroshima University	Emergency Room Management of Radiation-Nuclear Patients
11:20 – 12:00 (Practice)	Radiation Disaster Medical Support Center Staff		Personal Protective Equipment
12:00 – 13:30	<b>Lunch break</b>		
13:30 – 17:00 (Practice)	Radiation Disaster Medical Support Center Staff		Emergency medical Response to Radiation and Nuclear Accidents

## Jan 18th (Thu)

08:30 – 09:30	Yukihito HIGASHI	Director, Professor, Research Institute for Radiation Biology and Medicine, Hiroshima University	Regenerative Medicine for Radiation Emergencies
09:40 – 10:20	Kazunori KODAMA	Executive Director, Radiation Effects Research Foundation	Radiation Effects Research Foundation: Introduction and Presentation of RERF
10:30 – 11:10	Kenji KAMIYA	Chair, HICARE Chair, Radiation Effects Research Foundation	The role of the A-bombed City Hiroshima and the Fukushima Health Management Survey
11:20 – 11:50	Discussion & Summary		
11:50 – 12:00	Handing of certificates Closing remarks		
12:00 –	Lunch & Official tour (Hiroshima Peace Memorial Museum, A-bomb dome)		