

# International Training Course on Carbon-ion Radiotherapy

## 9-14 November 2015 Chiba & Kanagawa, Japan

### Course Program

AM

PM

November 9 (Mon.)	History & Overview of Ion Beam Radiotherapy Physics 1. Basic Knowledge	Biology 1. Biological Characteristics Physics 2. Accelerators Clinical 1. Overview
10(Tue.)	Biology 2. Biological Models Physics 3. Beam Delivery & Dosimetry	Clinical 2. Head & Neck, Skull Base CNS, Lung Tumors, Esophagus Clinical 3. Pancreas, Rectum, Liver
11(Wed.)	Physics 4. Treatment Planning Physics 5. Facility Design Physics 6. Radiation Shielding	Clinical 4. Genitourinary, Breast Cancer Eye, Gynecologic Tumors Tour Patient Positioning Treatment Planning
12(Thu.)	Physics 7. Facility Set-up & Operation Clinical 5. Diagnostic Imaging Case study 1	Clinical 6. Clinical Trial Clinical 7. Cost Effectiveness Clinical 8. Multi Modality Approach Case study 2
13(Fri.)	Move To Kanagawa	Tour i-ROCK
14(Sat.)	Free discussion	

### Course Director

Hirohiko Tsujii, M.D., Ph.D.  
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Tadashi Kamada, M.D., Ph.D.  
(Director, Research Center for Charged Particle Therapy,NIRS)  
Takashi Nakano, M.D., Ph.D.  
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Tatsuya Ohno, M.D., Ph.D.  
(Professor, Gunma University Heavy Ion Medical Center)  
Yuko Nakayama, M.D., Ph.D.  
(Chair, Department of Radiation Oncology Kanagawa Cancer Center)

### Venue

NIRS Research Center for Charged Particle Therapy (Chiba)  
ion-beam Radiation Oncology Center in Kanagawa (Kanagawa)

### Application

A prior registration is required.  
Please search ITCCIR 2015

### Registration Fee

100,000 JPY Including 6 days accommodation with breakfast, lunch, and transportation from hotel to venue.

### Organizer

Gunma University Heavy Ion Medical Center  
Hyogo Ion Beam Medical Center  
Ion Beam Therapy Center, SAGA HIMAT Foundation  
ion-beam Radiation Oncology Center in Kanagawa  
Proton Medical Research Center, University of Tsukuba  
National Institute of Radiological Sciences (NIRS)  
Association for Nuclear Technology in Medicine (ANTM)

### Support

International Training program for Experts  
in Radiation Oncology (Gunma Univ.)  
Program for Cultivating Global Leaders in Heavy  
Ion Therapeutics and Engineering (Gunma Univ.)

For more details, please visit [http://www.antm.or.jp/ITCCIR\\_2015/](http://www.antm.or.jp/ITCCIR_2015/)