



# The 13th International Training Course on Carbon-ion Radiotherapy

**November 17-22, 2025**

**Chiba & Gunma, Japan**

The course is intended to provide basic and practical knowledge of biology, physics, and clinical aspects of carbon-ion radiotherapy, together with up-to-date information on charged particle therapy.

## Course Directors



**Hirohiko Tsujii**

Former Director, QST Hospital  
Deputy Director, Association for  
Nuclear Technology in  
Medicine (ANTM)



**Hitoshi Ishikawa**

General Director, QST Hospital  
National Institutes for  
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**Tatsuya Ohno**

Director, Professor,  
Gunma University  
Heavy Ion Medical  
Center (GHMC)

**Registration Fee : 210,000 JPY**

Including the attendance fee, 6 days accommodation fee with breakfast, lunch, transportation fee from hotel to venue, textbooks, etc.

## Program

### Biology

- Biophysical characteristics
- Anti-tumor immunity
- Risk of secondary cancer
- Biological research
- etc.

### Physics

- Accelerators & Beam delivery
- Biological models
- Gated irradiation and IGRT
- Treatment planning
- Facility design & Commissioning
- etc.

### Clinical

- B&S, H&N
- Lung, Liver
- Pancreas, Prostate
- Colorectal, Uterus
- Breast, Eye
- Case study, etc.

### Diagnosis

- MRI & PI-RADS  
assessment
- PET imaging
- etc.

### Topics

- Proton therapy
- BNCT
- Cost benefit
- Facility introduction

1st part in Chiba : Organized by QST Hospital / 2nd part in Gunma : Organized by Gunma University

Supported by / East Japan Heavy Ion Center, Yamagata / Hokkaido University PBTC / Hyogo Ion Beam Medical Center / i-ROCK, Kanagawa Cancer Center / Osaka Heavy Ion Therapy Center / PMRC, University of Tsukuba / SAGA HIMAT



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