

The 12th International Training Course on Carbon-ion Radiotherapy

November 11–16, 2024
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



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Registration

Fee: 180,000JPY

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

Program

1st part at Chiba : Organized by QST Hospital

2nd part at Gunma : Organized by Gunma University

Biology

- Characteristics
- Hypoxia
- Fractionation
- Targeted therapy
- Anti-tumor Immunity
- FLASH therapy, etc.

Physics

- Accelerators
- Biological models
- Beam delivery
- Gated irradiation
- Facility design and commissioning, etc.

Clinical

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

Diagnosis

- ACR Reporting
- PET imaging

Topics

- Proton therapy
- BNCT
- CIRT at various facilities, etc.

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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