### Course Program

| Nov. 6 (Mon.) | Clinical 1. Overview of CIRT  
| Physics 1. Basic Knowledge  
| Physics 2. Accelerators |  
| Nov. 7 (Tue.) | Physics 5. Treatment Planning for  
| Passive, Scanning Beam Delivery  
| Biology 3. Biological Models |  
| Nov. 8 (Wed.) | Clinical 4. Esophagus, HCC, Liver  
| Clinical 5. Pancreas, Rectum  
| Clinical 6. Sarcoma  
| Biology 4. Biological Advantage of CIRT |  
| Nov. 9 (Thu.) | Move To Gunma |  
| Nov. 10 (Fri.) | Facility Set-up & Operation  
| Cost Effectiveness |  
| Nov. 11 (Sat.) | Tour & Free discussion |  

**Course Director**

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Visiting Researcher, National Institute of Radiological Sciences (QST,NIRS)  
Tadashi Kamada, M.D., Ph.D.  
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Takashi Nakano, M.D., Ph.D.  
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Professor, Gunma University Heavy Ion Medical Center  
Yuko Nakayama, M.D., Ph.D.  
Chair, Department of Radiation Oncology Kanagawa Cancer Center

**Venue**

National Institute of Radiological Sciences (QST,NIRS), Chiba  
Gunma University Heavy Ion Medical Center, Gunma

**Application**

A prior registration is required.  
Please search ITCCIR

**Registration Fee**

120,000 JPY Including training fee, 6 days accommodation fee with breakfast, lunch, and transportation fee from hotel to venue.

**Support**

Program for Cultivating Global Leaders in Heavy Ion Therapeutics and Engineering (Gunma Univ.)

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