



# Association for Nuclear Technology in Medicine

<http://www.antm.or.jp>

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## Corporate Information

The Association for Nuclear Technology in Medicine (ANTM) is a public interest incorporated foundation established in March 1996. The prospectus of ANTM aims to promote research and nuclear technology in medicine, such as medical treatment and diagnosis technologies using various kinds of radiation, including advanced technology of cancer therapy. We have been carrying out various activities such as holding lectures and seminars, publishing public relations magazines and brochures, developing human resources, promoting facilities planning, distributing technical information, providing calibration service for radiotherapy instruments, and others. Thus, we have been playing an important role as a nonprofit/public interest organization, which differentiates ourselves from both national and local government and the private sector.

## Main Activities

### (1) Particle beam cancer therapy

Japanese particle beam radiation cancer therapy has been driving world's advanced medical technology as a promising technology. ANTM supports facility improvement promotion, human resources development projects and facility operation in each process from facility construction planning to management. Especially in human resources development, we have actual achievements in producing core human resources of the facilities with expertise and skills.

### (2) Boron Neutron Capture Therapy (BNCT)

ANTM supports R&D and technical development toward practical use of BNCT as the only public interest foundation in Japan. Not only do we share information about BNCT, but we also address issues and collaborate with experts among domestic and overseas and research organizations.

### (3) Accuracy improvement of radiation and quality control

ANTM carries out calibration service for therapy level dosimeters to improve its accuracy and to control its quality as a third party organization. As the only accredited organization in Japan, we have been playing a critical role in this field. Our calibration testing service accepts orders from almost all the domestic radiotherapy facilities as a secondary standard dosimetry

laboratory. In addition, we conduct output dose audit service for radiotherapy equipment as a third party organization. The output dose audit service is growing gradually.

## Projects for Foreign Countries

### (1) International Training Course on Carbon-ion Radiotherapy

We hold International Training Course on Carbon-ion Radiotherapy (ITCCIR), aiming to develop necessary human resources toward medical doctors, medical physicists, and radiologists once a year in Japan. The contents of the training course consist of basic lectures by experts using textbooks as well as visiting heavy ion radiotherapy centers.

### (2) Support for overseas patients desiring a consultation service on heavy ion radiotherapy, and facility construction planning.

We provide consultation and support service for overseas patients on heavy ion radiotherapy in cooperation with partner organizations "Particle Radiotherapy Clinic" and others. In addition to that, we provide consultation service for overseas organizations regarding construction of radiotherapy facility and supply of medical equipment.

## Donations

Nuclear technology in medicine has been making a great contribution to human health and welfare as indispensable technology. We ask for your understanding of our objectives and activities, and look forward to your heartwarming support and donations.

