Diagnostic Radiology & Radiation Oncology

◆Overview

Diagnostic Radiology & Radiation Oncology consists of three sections, diagnostic imaging/interventional radiology (IVR), radiation oncology, and nuclear medicine, which includes functional imaging such as positron emission tomography (PET). In this field, there are marked advances in instruments for diagnosis and high-precision radiotherapy due to the recent remarkable progress in computer technologies as well as information and communication technology (ICT). This has resulted in a huge contribution to the progress of clinical medicine, and now the role of radiology is evolving. To achieve more advancement in radiology, it is important to introduce new generation people in this field. We welcome variety of young students interested in creating something new. This field is very open to the power and innovation of young students, allowing them to fully bloom their abilities.

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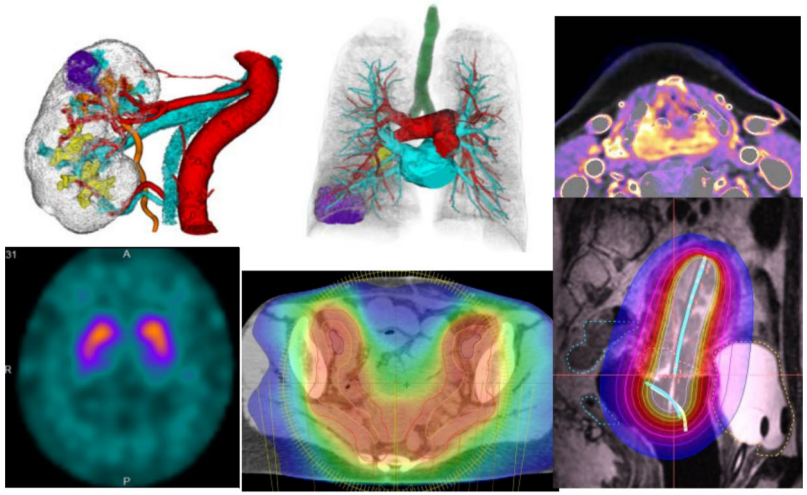
◆Research & Education

1. Diagnostic imaging
   CT & MRI diagnosis
   Angiography
2. Interventional radiology (IVR)
3. Radiation oncology
   High-precision external beam radiation therapy
   Image-based brachytherapy
   Radiation biology
   Radiation physics and dosimetry
4. Nuclear Medicine (including PET)
   Functional imaging
   Radionuclide targeted therapy



◆Recent Publications

Kurokawa M, Watanabe Nemoto M, et al. Initial experience of radiotherapy plus cetuximab for Japanese head and neck cancer patients. J Radiat Res. 2015;56:849-855.
Watanabe Nemoto M, Nozaki-Taguchi N, Togasaki G, et al. New approach to relieving pain and distress during high-dose-rate intracavitary irradiation for cervical cancer. Brachytherapy. 2015;14:642-647.
Mukai H, Motoori K, Horikoshi T, et al. Basal cell adenoma of the parotid gland; MR features and differentiation from pleomorphic adenoma. Dentomaxillofac Radiol 2016;45(4).

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