

# Diagnostic Radiology

## Introduction

The Diagnostic Radiology Division is committed to improving health through excellence in image-oriented patient care and research.

Our Division performs more than 65,000 inpatient and outpatient procedures annually.

The Division also conducts clinical scientific research as well as basic scientific studies, with the results translated directly into better patient care.

## Routine Activities

Our division has four helical CT scanners, including two multi-slice CT scanners, two 1.5 T MRI systems, two interventional radiology (IVR) CT systems, two gamma cameras with the capacity for single photon emission CT (SPECT), two digital radiographic (DR) systems for fluoroscopy, two mammography and four computed radiographic (CR) systems. Our IVR-CT systems use digital subtraction angiography with helical CT. One is equipped with a 16 multi-slice CT. A positron emission tomography (PET) scanner and baby cyclotron have been adopted, and tumor

imaging using 18F-FDG (fluorodeoxyglucose) has been performed. These all-digital image systems enhance the efficacy of routine examination.

This division has six consulting radiologists and fourteen technologists. As part of routine work, every effort is made to produce an integrated report covering all examinations, such as plain radiographic examinations (chest, abdomen, head, neck, breast, bone and other structures), contrast radiological procedures, CT, MRI, RI, PET, angiography and interventional radiology (IVR), mainly transarterial chemo-embolization (TAE).

The number of cases examined in 2006 is shown in the Table below.

Several conferences are routinely held at our Division, including teleradiologic, pre- and postoperative conferences.

● M. Satake ●

Number of cases examined				
	2003	2004	2005	2006
Plain x-ray examination	32,346	32,685	34,406	34,200
Mammography	1,735	1,826	2,076	2,298
Fluoroscopic Imaging (GI-series, etc.)	3,381	3,609	2,741	2,698
CT	16,829	17,397	15,972	18,055
MRI	4,553	4,813	4,473	4,830
RI	2,208	2,334	2,169	1,915
PET	1,225	1,414	1,414	1,334
Angiography	547	503	408	545
Total	62,824	64,581	63,275	65,875