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## Current Status and Future of PACS in Seoul National University Hospital

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We have studied DR of medical science at SNUH since early 90's, founded the basis of Picture Archiving Communication System(PACS) used for actual clinic parts, has acquired images gradually since January 97 and came to acquire images in all examinations except for general X-ray for outpatients and some of fluoroscopy. In August 97 database workstation among image storage, equipment interface, and Radiology Information System/PACS has been accelerated, the Hospital connected the database with the imaging system of Department of Diagnostic Radiology, and link

gradually all imaging system including CT and MRI supported by Digital Imaging and Communication in Medicine(DICOM)to PACS. Since 1998, PACS has been adopted for result interpretation in department of Radiology and has been prepared for it.

PACS team of Seoul National University has developed its own PACS of hospital integration type, and has open structure with remarkable inflexibility, can reflect requirement in operation hospital resulting from its hospital-centered development, can use its system easily with all kinds of machines for diagnosis and treatment as well as other information system in hospital and therefore, has potential to maximize the application of PACS in hospital in the future.

Future of PACS in Seoul National University Hospital

Seoul National University Hospital PACS has successfully progressed from small PACS and partial PACS and has made gradual enlargement. During that course, it has verified its technology, maintained operating system, supplemented software, and improved users' credit.

At present, because general medical information system for OCS(Open Communication System) is being developed, supplementation to connected operating function to HIS/PACS, and network establishment work which is combined with OCS are being progressed through connection to RIS/PACS. Seoul National University Hospital is going to take a fullfilm digitalization of the existing large amount of general films for its sickrooms from January, 2001 and for room for outpatients from January, 2002, ultimately accomplishing full PACS for its overall film facility.

### Current Status of PACS Station Installation

Item	Viewing Station (Hospital)	Viewing Station (Other)	Gateway (Station)	Verify (Station)	Reading (Station)	Other	Total
Personal Computer	24	10	5	7	5	4	55
Monitor(1K)	48	21	3	7	2	3	84
Monitor(2K)					13		13
ATM 155M Adapter					3	3	6

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I certify that authors named agree with the results stated and have consented to be included as authors. I further certify that this abstract has not been submitted to any other national or international meeting.

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