SZOTE-PACS

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Founded by: Felzárkózás az Európai Felsőoktatáshoz III
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Lifetime from: 1994
Lifetime to: 2005

Short description: SZOTE-PACS is the Picture Archiving and Communication System of Albert
Szent-Gyorgyi Medical University. It is able to collect studies from CT, MR, SPECT, US and modalities
and convert them into DICOM format.

Description:
The aim of the development was to provide an archiving system, which can be used for education an
for the routine consultation discussions. The modalities at the Medical University are in different
clinics and buildings. They work on different computational platforms (PC, Unix, Macintosh, e.t.c.)
and use different output formats (TIFF, Interfile, ACR-NEMA, DICOM) for the studies. The university
network seemed to be good enough for the data transfer at expected rate. We could solve the
problems originated from the different platforms and formats by using converter stations (mostly
PCs) between the modalities and the university network. In this way SZOTE-PACS can collect studies
from CT, MR, NM, US and SPECT modalities, from X-film scanners and, furthermore, from any stations
having Internet connection and being able to communicate according to DICOM standard. The
modalities are connected to the university network mostly through converter stations. The main
component of the system is the central server receiving and archiving the DICOM studies from the
network. The studies can be presented and processed on the workstations. All stations are
connected to the system via NFS or FTP and, in certain cases, via DICOM protocol.

Publications: Educational PACS at the Medical University in Szeged [8], Kuba, Attila [9], Csernay
László [10], Kardos L [11], Alexin Zoltán [12], Nagy Antal [13], Nyúl László Gábor [14], and Almási
DICOM Based PACS and Its Application in the Education [16], Kuba, Attila [9], Alexin Zoltán [12],
Nagy Antal [13], Nyúl László Gábor [14], Palágyi Kálmán [17], Nagy Mariann [18], Almási László [15],


L. Csernay, L. Almási, A. Kuba, L. Kardos: PACS at the Medical University in Szeged for educational
Kategória: Medical Applications

Source URL (retrieved on 2018-07-02 20:55):
http://www.inf.u-szeged.hu/ipcg/projects/SZOTE_PACS

Links:
[10] http://www.inf.u-szeged.hu/biblio?f%5Bauthor%5D=393
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