SEGAMS

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Founded by: Gamma Works

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Gamma Works (Ádám Billing)

Related projects:
- Early years [5]
- SEGAMS-80 [6]
- SUPER-SEGAMS [7]
- MicroSEGAMS [8]

Lifetime from: 1974
Lifetime to: 1977

Short description: SEGAMS: A tree-structured hierarchical data processing system. The software system of a gamma camera connected to a minicomputer that can be used to acquire and evaluate the most common types of nuclear medicine studies used in clinical routine.

Description:
SEGAMS is a hierarchic (tree-structured) nuclear medicine system, in which the doctor can control the whole evaluation process in the form of a dialogue with the help of an alphanumerical display connected to the system. Our main aim was to develop a „doctor-oriented” , „doctor-proof”, and clearly arranged system. For this we made sure that in every work-phase the user sees all possibilities of the system from which a choice can be made that is appropriate from the medical aspect. Acquisition possibilities: Static study: imaging the distribution of radioactivity from different directions. Dynamic study: following in time the change of distribution of radioactivity through an image sequence. Major processing possibilities: processing individual images, frame-algebra, Region Of Interest (ROI) selection, producing time-activity curves over a ROI, ...
Kidney study (static)
Liver study (dynamic HIDA) with four ROIs (Region Of Interest)
Time/activity curves over the four ROIs

Publications:


János Csirik: Zur Beeinflussung der Zahlartenstatistik durch die Totzeit des Strahlungsmessgerätes,
Nuc Compact (1980) 141

**Kategória:** Medical Applications

**Source URL (retrieved on 2017-12-23 23:45):** [http://www.inf.u-szeged.hu/ipcg/projects/segams](http://www.inf.u-szeged.hu/ipcg/projects/segams)

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