

OASIS Nuclear Medicine Workstation overview

A complete NM workstation configuration for review and analysis of all commonly used planar and SPECT procedures as well as registration and fusion capabilities for separately acquired CT and/or MR studies. Oasis consists of a server and a client module which reside on a single Windows PC. This is a node-locked configuration and includes the following:

Server functionality

- Patient database with database editor and anonymization tools
- DICOM connectivity to PACS and other modality workstations
- Query/Retrieve functionality

Generic viewer

- NM viewer for all data formats; i.e.: static, dynamic, gated, whole body, tomo, gated tomo, recon, gated recon, and (multi-frame) secondary capture

Cardiology applications

- Cardiac REquant for reconstruction, re-orientation, masking, and slice display of cardiac SPECT studies
- MUGA for planar gated bloodpool analysis
- Choice of Cedars QGS/QPS or Corridor4DM SPECT

Neurology applications

- CerSPECT for reconstruction, re-orientation, and slice display, brain SPECT studies; application includes processing module for DaTSCAN neuro-receptor studies.


General NM applications

- Bones for analysis and review of static, dynamic, wholebody, and SPECT studies
- Gastric applications for emptying and reflux studies in static and/or dynamic formats
- Lung application for review and analysis of planar and SPECT studies
- Renal analysis and review of DTPA, MAG3, and DMSA studies
- Liver application for gallbladder ejection fraction
- Application for review and analysis of Shunt studies (liver, lung, brain)
- Application for review and analysis of Thyroid and Parathyroid studies
- Application for review and analysis of Salivary Gland studies
- Application for review and analysis of Sentinel Node studies
- Application for review and analysis of GI Bleed studies

SPECT/CT applications

- SPECT/CT fusion application for review of hybrid studies
- Hybrid iterative reconstruction with resolution recovery, scatter and CTAC correction
- MIRegister application for registration of SPECT data with CT and/or MR studies

General Tools

- QC analysis of Floods, Bars, COR, and Jaszczak acquisitions
- Reconstruction of SPECT and Gated SPECT studies with FBP or 3D-Iterative
- Motion correction for planar dynamic studies
- Display scripting for customization of page layouts
- Import/export DICOM data from CD, DVD, or USB  Save result screens as DICOM SC/MFSC or save as JPEG, PNG, BMP, or AVI

Options

- PET/CT module with tumor tracking and analysis
- NeuroGam application for quantitative analysis of Brain SPECT and PET studies
- Cedars Moco for motion correction of SPECT studies
- Cedars GBPS for quantitative analysis of gated bloodpool SPECT studies

Note: This configuration does not include any hardware. A Windows PC meeting our minimum requirements is required for operation. The Oasis software and its options are protected by a software license. A maintenance agreement is required to stay current and qualify for support, after the initial one year warranty period.

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