

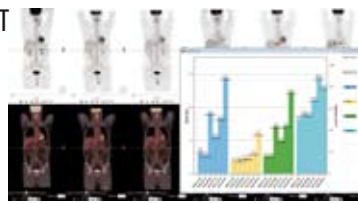
THE PACS SOLUTION FOR THE INTEGRATED MANAGEMENT OF NUCLEAR MEDICINE IMAGING

Multimodality viewing, processing and reconstruction of PET-CT, PET-MR, PET-CT-MR, SPECT-CT, SPECT-MR, SPECT-CT-MR, SUV-PET, SUV-SPECT®, CT/MR/CTA, QGS, QPS directly from the RIS PACS reporting workstation

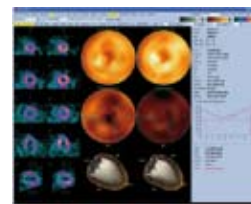
SUV-SPECT®



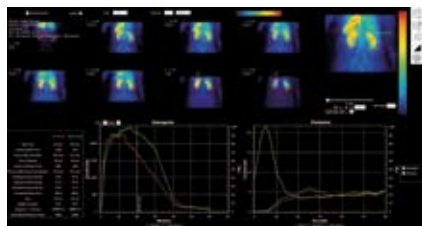
SUV-PET



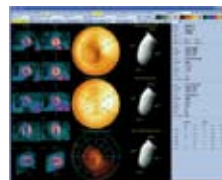
HYBRIDRECON NEUROLOGY
 PET SPECT Brain Analysis



CEDARS
 QGS



NM PROCESSING

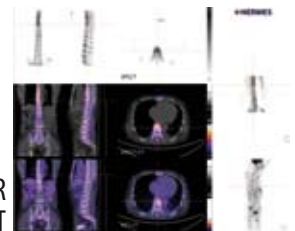


CEDARS QPS

HYBRIDRECON
 SPECT Reconstruction



HYBRID VIEWER
 PET-CT, SPECT-CT



THE SEAMLESS SOLUTION: QUICK, SECURE, INTEGRATED AND SHARED REPORTING

EBIT and Hermes merged their competences about Enterprise PACS, NM software applications and Multimodality Fusion Imaging creating an innovative seamless automated workflow for NM studies coming from any tomograph: image processing is directly performed on the PACS reporting workstations where the Hermes software is booted. The study includes all the data, univocally archived, and it may be easily recalled to perform subsequent processing and comparisons. This is a vendor-independent solution regardless of modalities' brands and typologies, does not require the installation of additional hardware and eliminates the use of the tomograph console. Various display protocols may be selected from the PACS interface: PET CT, NM Bone Study, Kidney, Cardiac, etc. with information pre-sets and easy tooltips for multimodality functions.



POSTPROCESSING

- Renogram Analysis
- Lung Quantification
- Thyroid
- Gastric Emptying
- SI Joint Analysis
- Transit Reflux
- Gallbladder EF
- Hepatobiliary Analysis
- DMSA Analysis
- 3 Phase Bone

BRASS BRAIN ANALYSIS, FOR NEURO-DEGENERATIVE DISEASES

- Normality Database
- EANM Approval
- Parkinson with DaTSCAN
- HMPAO for Bi-polar and Schizophrenic Disorders
- FDG (with PET) for dementiae and Alzheimer

ADVANCED FUSION IMAGING AND 3D RENDERING FOR MORPHOLOGICAL AND METABOLIC IMAGING

- Automatic Voxel Space Position & Selectable Segmentations
- Computation of distance, angle, SUV, 2D ROI and 3D VOI statistical analysis
- Image Fusion and Movie MIP of PET and CT images
- Fusion overlay with transparency adjustment
- Co-recording and automatic and semi-automatic fusion of any image combination and mode
- Comparison and numerical analysis of examined studies
- Comparison of the same VOI between time references
- Copy of ROI and VOI objects to the CT and MR for anatomical correlation
- RTP Export Structure: to export VOIs to Radiotherapy treatment plans through DICOM-RT

NUCLEAR MEDICINE ENTERS THE RIS PACS WORKFLOW: EBIT AND HERMES TOGETHER TO PROVIDE A STATE-OF-THE-ART PACKAGE

THE FRIULI VENEZIA GIULIA CASE

Ebit (Esaote Group), contractor for the PACS tender in the Friuli Venezia Giulia Italian Region since 2010, has developed, together with HERMES Medical Solutions, an innovative and outstanding solution for the four Nuclear Medicine centers of the Friuli Region (Udine, Aviano, Pordenone and Trieste) that has become operational in the autumn of 2014.



FULL INTEGRATION OF NM APPLICATION SOFTWARE INTO PACS WORKSTATIONS

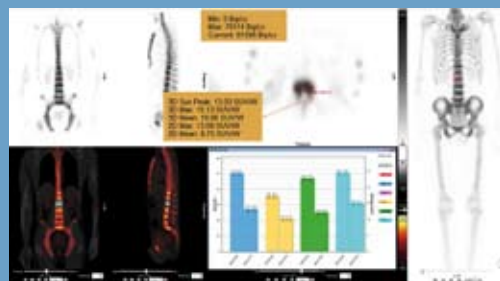
HERMES processing, analysis and reconstruction software has been integrated into EBIT SUITESTENSA PACS workstations: the extremely specialized NM software applications are activated through a single click and it will be possible, by working on a single PACS workstation - from data entry to processing, to the recall of studies or patients over time - to issue complete structured reports, securely archived and stored, with no data loss and reducing the possibility of human error.



SUITESTENSA RIS PACS



NEW SUV-SPECT® MODULE FOR SPECT-CT QUANTITATIVE RECONSTRUCTION



Hermes SUV-SPECT®

- Quantification of SPECT studies, output result (Bq/cc and SUV)
- Easily configurable, it may be used with any system for SPECT-CT, or SPECT with external CT
- It processes any radioisotope used in SPECT
- Standardisation of data among patients, systems and users

AUTOMATED AND OPTIMISED WORKFLOW

- Single "all-in-one" reporting workstation reaching all the departmental diagnostic modalities
- Vendor-independent solution that makes tomographs independent from software
- Innovative SUV-SPECT® module
- SUV-PET reconstruction
- No additional hardware (computer o server) required
- Use of the SPECT or PET processing console is no more necessary
- One-click solution automatically opening the NM modules from PACS reporting stations



PET-CT SPECT-CT
 SUV-PET SUV-SPECT®
 Ricostruzione SPECT
 Analisi ed elaborazione studi NM
 PET e SPECT con BRASS
 Studi cardiaci QGS e QPS