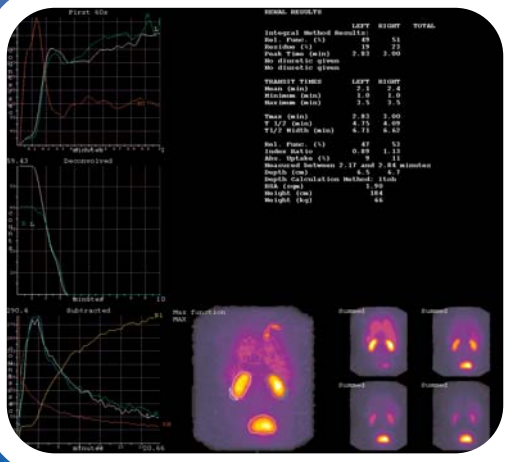
Link-process

LINK MEDICAL

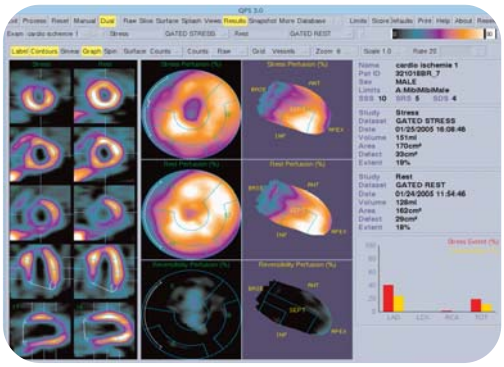
link-**process**

Nuclear medicine processing
Link Medical provides a complete solution for nuclear medicine processing

A range of validated processing protocols are available that can be readily customised to the requirements of an individual customer. Where a unique solution is required, new protocols can be developed easily either by Link Medical or 'in-house'. The combination of flexibility and robustness makes link-**process** the ideal solution for routine use, development and implementation of new techniques and for basic research.



Sample renogram report page



Sample QGS processing screen

Image processing

link-**process** includes, as standard, all the functionality required in a full-featured processing system, including:

General
- Thin client access from any networked PC
- Solaris or Linux platforms on workstation, server or laptop
- Automatic motion correction
- Filter creation
- 2D, 3D and 4D ROI analysis
- Automatic processing and report generation

Whole body
- Whole-body spot zooms

Cardiac
- Cardiac alignment
- Cardiac curve analysis
- Bullseye production
- Radial LV analysis
- QGS, QPS, BPGS*

List mode
- List mode image/curve reconstruction

SPECT
- Reconstruction (by filtered back projection)
- OSEM iterative reconstruction
- Filter creation
- Image fusion (including multimodality support) by marker and manual alignment

Connectivity
- Fully integrable to legacy and new system
- PACS and DICOM worklist integration
- Local RAID archive options

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Standard protocols

In addition to this basic underlying functionality, standard processing protocols are available. These include:

- First pass cardiac
- MUGA
- Myocardial SPECT
- Limb blood-flow
- Meckels diverticulum
- HIDA liver
- Oesophageal transit
- Curve/slope renal analysis
- Renal processing techniques
  - Rutland
  - Oberhausen
  - Bubek and Russel
- DMSA
- Renal output efficiency
- Renal transplant
- Micturition renograms
- Thyroid
- Parathyroid
- Wholebody bone
- SIJ
- Quantitative bone
- Lung ventilation and perfusion processing
- Automatic report generation
- Proctogram
- HSA
- Gastric emptying
- Tomographic brain analysis

Thin-Client/Server Technology

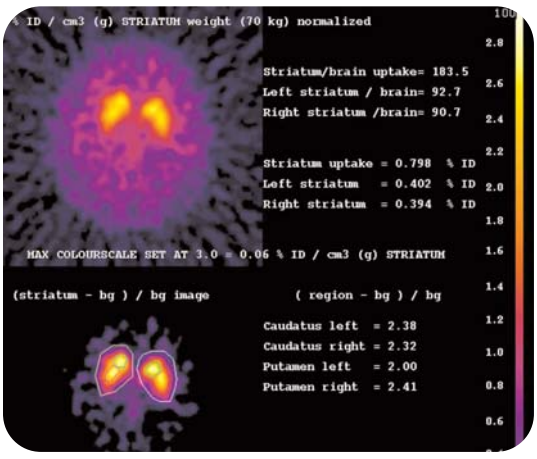
- View and process data from any networked PC, Mac, or Linux/Unix machine
- Internet access via secure VPN
- User and group specific configuration of viewing and processing options

Protocol customisation

It is one of the features of Nuclear Medicine that different centres may have different methods of processing. We recognise this and our standard protocols have been written to provide most processing options so as to limit the customer as little as possible in the range of processing options available to them.

If a unique solution is required Link Medical will work towards bespoke user-defined protocols tailored to your precise needs

At Link Medical we understand that customers may also desire to develop their own protocols to meet specific research requirements and to permit the use of processing protocols that have been established in-house. To facilitate such development, the complete set of underlying programs and 'C' libraries is available to the user, together with on-line manual pages and instructions for 'C' program and C-shell script development.



Sample DaTSCAN analysis report

Link Medical Unit 9, Moor Place Farm, Plough Lane, Bramshill, Hampshire, RG27 0RF
Tel: +44 (0)118 932 6850 Fax: +44 (0)118 932 6717 email: sales@linkmed.org www.linkmed.org