



LabNet Systems GmbH is proud to present our new software product of our LabNet Manager System Software family to market.

## **LabNet Manager RIS (Radiology Information System)**

The LabNet Manager RIS is a complete networked Management software system, Archiving, Processing, view and share all kinds of medical images and related data produced by imaging equipment, such as radiology, cardiology imaging, radiation therapy equipment (X-rays, computed CT -CAT- scan, -MRI magnetic resonance imaging, ultrasound, Angiography, etc.) as well as devices used in other areas of medicine such as ophthalmology and dentistry.

The LabNet Manager RIS is particularly useful for monitoring all Medical Imaging orders. Corresponding billing information is used in conjunction with PACS (**P**icture **A**rchiving and **C**ommunication **S**ystems) for managing image files, recording and billing.

The LabNet Manager RIS is based to Dicom, the international standard for medical images and related information (ISO 12052).

Effective communication, efficient daily work through the use of special multi-tools and functions are available and allows secure access to medical data and images from anywhere, anytime via local network or internet.

One of the outstanding functionality is the possibility to merge LIMS and RIS into one very strong software package.

More features:

- **Patient Management through a single, license free database** for all users and single interfaces. The LabNet Manager RIS can monitor the entire workflow of a patient within a radiology department. Authorized users can add images and reports-reports, which can be recovered to be viewed and edited by authorized personnel of the Radiology Laboratory.
- **Scheduling** The LabNet Manager RIS allows staff to schedule appointments per date and time, per month, per clinic or department, outpatients and in-patients per Clinic or Department of the Medical Diagnostic Centre. Capability of printing or dispatching the appointment list by e-mail to corporate doctors or patients of the Medical Diagnostic Centre.



- **Patient's Monitoring - Patient's tracking** The LabNet Manager RIS enables monitoring of Medical History (radiology) of the patient from the first data input to the software. It also incorporates all integrated necessary tools to be able to compare with past measurements as well as planning future visit appointments.
- **Results and Statistical reporting** The LabNet Manager RIS can generate statistical reports for a patient or group of patients, which are stored in the medical Patient Record, printable whenever needed.
- **Monitoring & Image tracking** Traditionally, radiology providers use RIS for monitoring individual film (films) and their associated data. But the Electronic Patient Record (EMR-Electronic Medical Record) has become standard throughout the health sector and the digitized images and PACS systems have been widely adopted, the radiology departments and systems RIS/PACS become more important throughout the clinical workflow of the entire medical enterprise. The LabNet Manager RIS has a built-in dynamic application for loading images (**Image Streaming**), which allows immediate review of test orders with large numbers of images.
- **Billing** - The LabNet Manager RIS provides a very detailed record of financial transactions of Medicine company, the electronic payment process as incorporated in the medical dossier included in the application "History" of the software.
- **Incorporation of new imaging files** The LabNet Manager RIS provides the user with the option of importing new image files (records) including those not provided by the current PACS (Import from DICOMDIR) into the file of a Patient stored into the LabNet Manager RIS database.
- **Scalability** with the possibility of an unlimited number of users.
- **Bidirectional communication interface** with all images and connectivity systems with open interface illustration systems now and in the future.
- **Built-in viewer** for reviewing and processing of illustration imported images.
- **Recording pictures to CD/DVD (Burn CD/DVD)**, with the choice of selecting a specific number of images, frames etc. to record / burn.
- **Integrated full printing application** of images from any source (Dicom or videos) on plain paper A4, A3 (with or without print preview) or in a film (Dicom Printing). Option to print in Portrait/Landscape, up to 9 rows & columns, color or black and white, sending them by e-mail, or exporting to PDF format.  
Possibility of image selection for Printing, Dispatching, Painting (Gray -no color or with Color).

Additional options: Text Overlay, Combine, Del. Page, Clear All, Print, Format (F0-F8), Film (L1, L2, L3) Print All, Add All.



- **Access the application via the Internet**
- **Treatment systems (Dicom Tools) and image storage** fully scalable and recoverable up to a decade, regardless of its source or origin, which facilitates, accelerates and simplifies diagnostics
  - Multiple image layout options, such as, Format (F0-F8), Film (L1, L2, L3), Grid (1x1 to 6CH5, Auto), rows & columns up to 8
  - Window / Level, Zoom, displacement and similar options (Invert, Pan, Zoom, Zoom Select, Magnifier, Flip Horizontal-Vertical, Rotate 90 Degrees, Show / Hide Levels, Show / Hide Ruler
  - Locating position (spatial locator)
  - Measurements (region of interest, angles, distance, Hounsfield & pixel values values)
  - Lines (Line Length, Line and Length, Line and Height, Line and Height and Width, Plot Length, Polygon, Angle, Cross Line, ROI, Arrow)
  - Markings
  - Play system
  - FPS - Frames per Second (1,2,5,10,15,20,25,30)
  - Store images (e.g. jpeg)
  - Comparability unlimited number of tests
  - Simultaneous or parallel multi-exam review
- **Useful Tools-Image Management Systems (Utilities)**, such as: Save/Archive Image, Save All Current Frame, Save Serie Images, Save as HTML, CD / DVD Burn, Print Film, Print Active View, Open Image File, Import from DICOMDIR, Delete Current Study, Delete Current Series, Delete Current Image, Send Current Dicom, Send All Dicoms, Send Dicom printer and View Incoming Samples)



## Pictures of LabNet Manager RIS / LIMS

Figure 1. Dicom Viewer

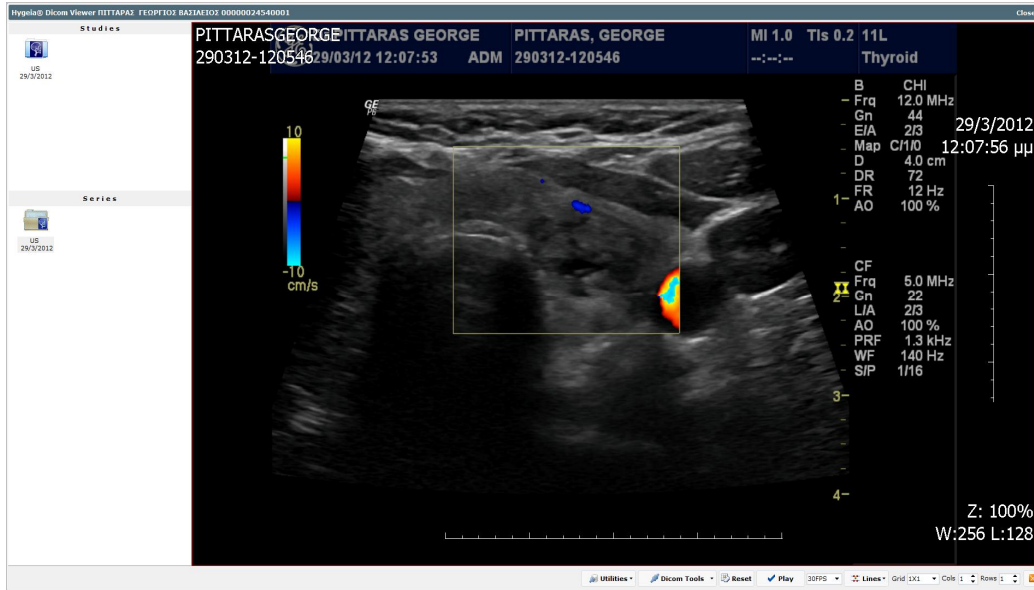
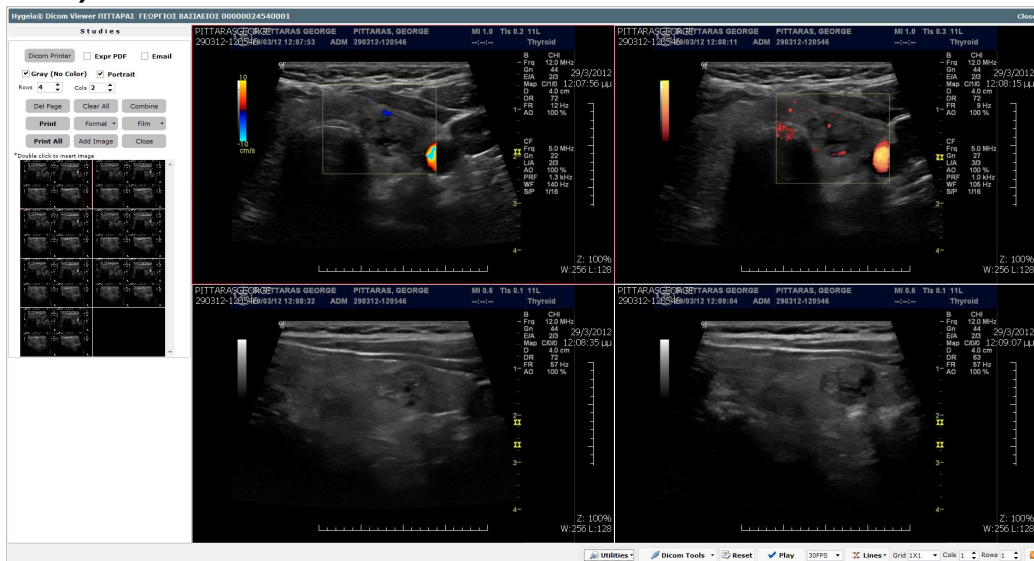


Figure 2. Image Streaming, Dicom Print, Image Processing Systems (Dicom Tools)





**Figure 3. Registration Image to CD / DVD (Burn CD / DVD)**

