intrasense™

myrian™ Expert VL

"Volume measurement station, diagnostic platform and launch-pad to the Myrian™ expert modules: a new standard has been set."

This multimodality 3D diagnostic workstation is both a versatile volume measurement solution for the quantification and follow-up of tumours and a gateway to the powerful expert modules of Myrian™: liver surgery, virtual colonoscopy, lung pathology analysis, lung nodule follow-up or orthopaedic measurements. Selected by the finest specialists for routine diagnosis, surgical planning, oncology and research, Myrian™ Expert VL boasts the ultimate, state-of-the-art Intrasense™ technology and expertise. Protocols, endoscopy, study comparison, complex post-processing and reconstruction, segmentation… all the most clinically effective tools fall instinctively into place. Kind on your pocket, Myrian™ Expert VL is today's definitive complement to your setup and your modalities alike.

Prof. Benoît DUPAS

Nantes University Hospital (France)

«With Myrian™ Expert VL, we are able to calculate volume measurements in a rapid, secure and reproducible manner. The extrusion tools enable target structures such as a liver, sinus, fat or cavities to be isolated in a few seconds. This way, we not only save critical time, but also go into greater diagnostic detail and are able to perform more accurate follow-ups.»

Prof. Luc BIDAUT

MD Anderson Cancer Centre, Houston, Texas (USA)

«Interface design, flexibility and versatility combine to make Myrian™ very effective for interpretation and also extremely compatible with a wide range of radiological equipment.»

www.myrian.fr/expertvl

3D ROI and surfacic rendering

Seconds is all it takes to create volumes of interest and to display them in context, adjusting their transparency level as you wish

3D measurements and annotations

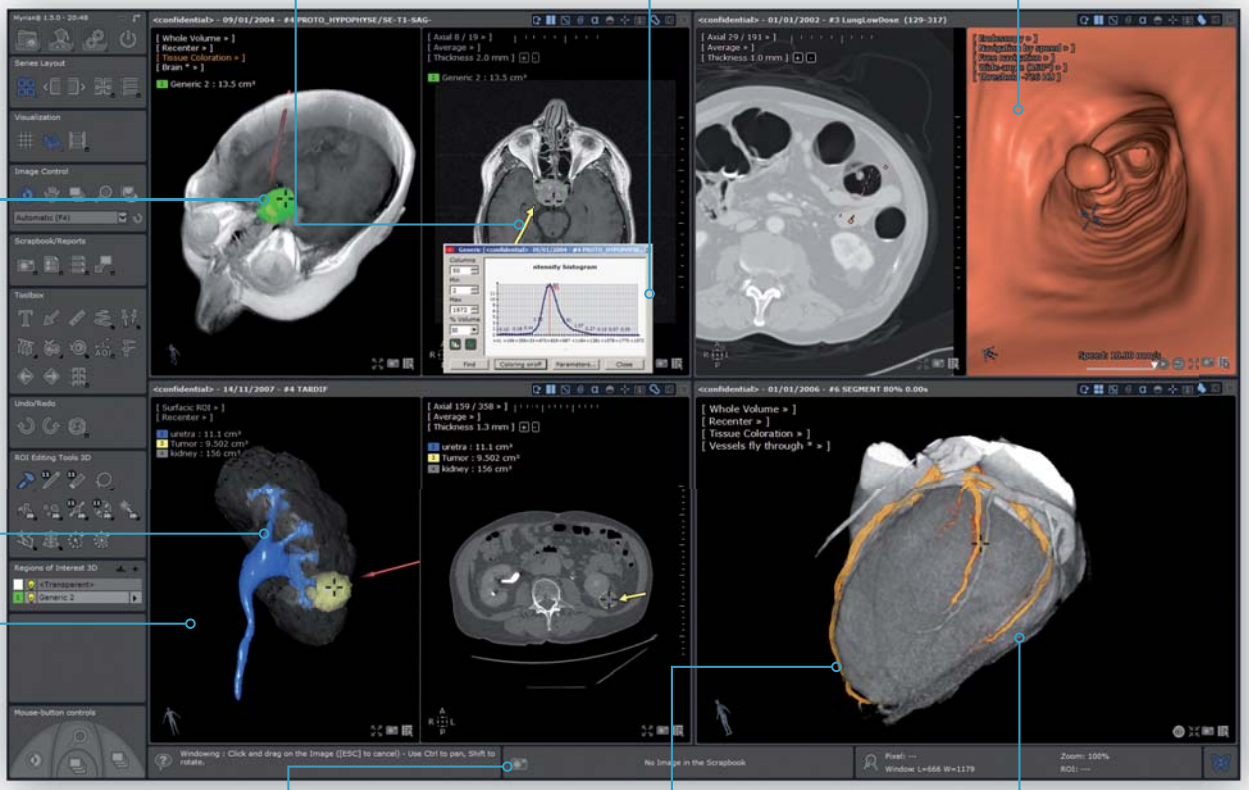
Measure lengths, angles, surfaces and densities, then place annotations on the images for better communication

Density histogram

To analyse a 3D region of interest, simply display its density histogram and export it to Microsoft® Excel or to DICOM image format

Virtual endoscopy

Draw a curvilinear path in a few clicks and instantly navigate through a colon, on the lookout for polyps



3D zoom

Zoom in to a volume of interest in 3D at high-resolution to evaluate the detail of a lesion, or a case of carotid stenosis

Integrated report

Add volume of interest measurements and images to auto-generated reports which can be converted to DICOM format

Interactive palette

Apply and adjust various tissue colorations like a simple windowing tool to compare different views of a lesion

Advanced 3D reconstruction

Reconstruct native images in volume or surfacic mode very easily either manually or using automatic protocols

myrian Pro | myrian Advance | myrian Expert | myrian Expert VL

Available options

SafeViewCreator
PrintCalibrator
QuizCreator

Available Expert Modules

Myrian™ XP-Liver
Myrian™ XP-LungNodule
Myrian™ XP-Colon
Myrian™ XP-Ortho
Myrian™ XP-Lung

CE 0459 | CERTIFIED IN THE USA | TGA-AUSTRALIA REGISTERED | SFDA | ISO 9001 | ISO 13485

nVIDIA | Microsoft GOLD CERTIFIED Partner

	Processor	RAM	Screen Resolution	Graphics Card	Operating System
Minimal configuration	Intel® Pentium IV™ or AMD® Athlon64™	2 GB	1024x768	nVIDIA™ GeForce™ 7800 GTX	Microsoft® Windows® XP Pro SP3 32 bits
Recommended configuration	Intel® Core™ 2 Quad or Duo	4 GB	2 MP monitors	nVIDIA™ GeForce™ 9800 GT 512 Mb and GTX260 896 Mb ATI Radeon™ HD 4890 1024 Mb	Microsoft® Windows® XP Pro SP3 or Windows® Vista Business SP2 32 bits

Tools

Smart display and advanced post-processing

- ☑ Multimodality visualisation (CR/DR, CT, MRI, PET, US…)
- ☑ Customizable workspace, integrated monitor calibration
- ☑ Dynamic display on one, two or three monitors at maximum resolution
- ☑ Creation and modification of protocols for smart image display and customization of the user interface (6 protocols provided)
- ☑ Instant orthogonal an oblique MPR reconstruction
- ☑ Curved planar reformation (CPR) along a path and MPR navigation 'constrained to a path'
- ☑ Slice thickening in average, MIP and MinIP modes
- ☑ Synchronized study comparison in any MPR plane of view
- ☑ Creation of new series in linear, radial or curved mode
- ☑ 3D reconstruction, 3D MIP, volume rendering with customizable interactive colour palette, surfacic rendering
- ☑ Endoscopy mode reconstruction and navigation
- ☑ 3D volume of interest, visual masking and bone removal

Advanced tools

- ☑ Length, angle, surface and density measurements
- ☑ Density histogram, arrow signage, smart annotations
- ☑ Automatically generated reports containing scrapbook images
- ☑ Creation and modification of 3D volumes of interest using manual or automatic generic segmentation tools
- ☑ Creation of generic points of interest (POI) with length measurements
- ☑ 3D surfacic rendering of regions of interest (ROI) with transparency/colour level adjustment

Communication

- ☑ Print to DICOM and/or Windows® printers
- ☑ Import entire studies from the network in just one click
- ☑ Smart study management: status, comments, filters
- ☑ Convert digital images to DICOM format
- ☑ DICOM conversion and export to multiple formats (DICOM, JPEG, TIFF, BMP…)
- ☑ Diagnostic class certification

User-friendliness and support

- ☑ Smart launch of any DICOM CD with preview
- ☑ Simplified multilanguage user interface
- ☑ Customizable mouse functions, user preferences and keyboard shortcuts
- ☑ Context help, wizards and clinical guides
- ☑ Integrated access to support and ISO 9001 certified hotline
- ☑ Full one-year guarantee including product updates and upgrades, maintenance contract

Compatibility

- ☑ Runs on Windows® XP, Windows Vista®, Windows 7™
- ☑ DICOM Connectivity: Store SCU/SCP, Query SCU, Print SCU
- ☑ Access to Myrian™ XP Expert Modules

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