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.»
**Available Expert Modules**
- Myrian™ XP-Liver
- Myrian™ XP-Colon
- Myrian™ XP-Lung

**Available options**
- SafeViewCreator
- PrintCalibrator

**Tools**
- Smart display and advanced post-processing
  - Multimodality visualisation (CR/DR, CT, MRI, PET, US, …)
  - 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 (protocols provided)
  - Instant orthogonal an oblique MPR reconstruction
  - Curved planar reformulation (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

- **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 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 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

- **3D measurements and annotations**
  - Measure lengths, angles, surfaces and densities, then place annotations on the images for better communication

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

**Operating System**
- Microsoft® Windows® XP Pro SP3 32 bits
- Microsoft® Windows® Vista® Business SP2
- Windows® 7™

**Recommended configuration**
- Intel® Core™2 Quad or Duo
- 2 GB RAM
- Intel® Core™ 2 Duo E6300 or Intel® Core™2 Quad Q8400, 2.66 GHz
- NVIDIA™ GeForce® 8400 GS / 8600 GT / 8800 GS / 8800 GTX
- Microsoft® Windows® XP Pro SP3 / Vista® Business / 7™ / Vista® Business SP2 / 7™

**Functionalities**
- 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

**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

**Full functionality**
- Access to Myrian™ XP Expert Modules
- DICOM Connectivity: Store SCU/SCP, Query SCU, Print SCU
- Advanced diagnostics with cutting-edge multithreaded technology
- 3D surfacic rendering of regions of interest (ROI) with transparency/colour level adjustment

**Access to Myrian™ XP Expert Modules**
- Available Expert Modules
- Myrian™ XP-Liver
- Myrian™ XP-Colon
- Myrian™ XP-Lung

**License**
- Full one-year guarantee including product updates and upgrades, maintenance contract

**Support**
- Contact
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  - www.intrasense.fr

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