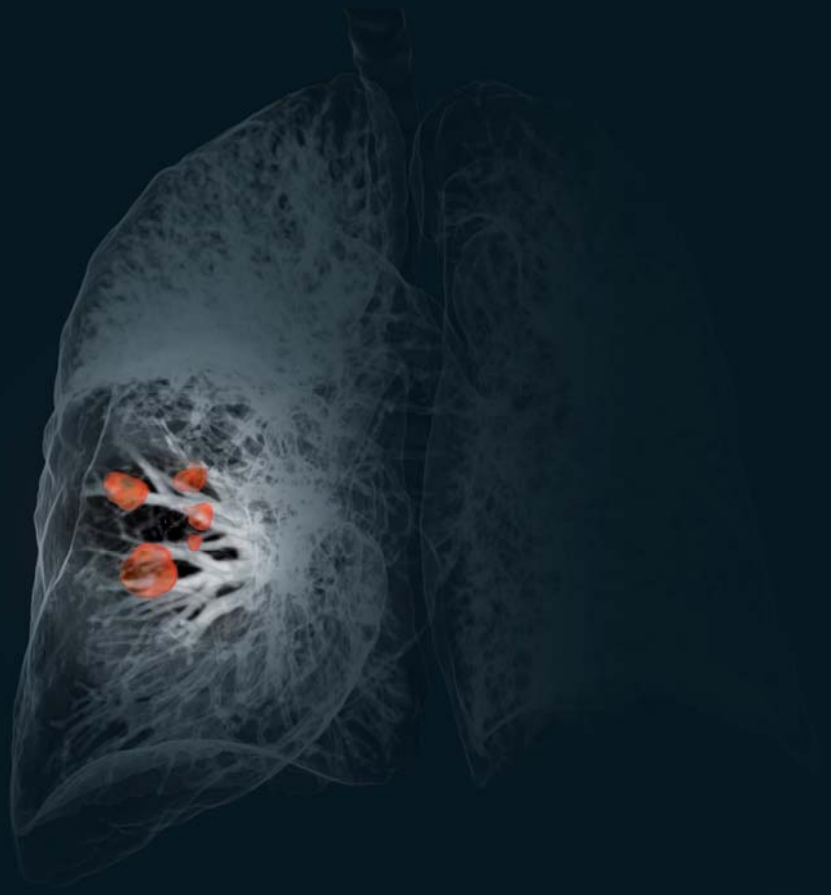
intrasense™

myrian™ XP-LungNodule

"Seamless integration of lung nodule characterization and follow-up tools within the 3D diagnosis workstation."

The Myrian™ XP-LungNodule module adds powerful characterization and follow-up tools to lung nodule diagnosis. Use advanced post-processing and visualisation tools to identify and characterize lung nodules in a totally reproducible way. Segmentation is automatic for all solitary solid nodules and semi-automatic for all others. Synchronized navigation and registration simplify the comparison of studies created on different dates and the one-click pairing of lesions. The module automatically calculates dimensions and volumes, nodule doubling times, the density of the nth volume percentile as well as a density histogram. 3D whole volume rendering containing morphological characteristics completes the diagnosis. The level of transparency of the 3D view can be adjusted to help set lesions in their anatomical context. Nodule follow-up is perfectly integrated to the diagnostic workstation in an optimised workflow, where dedicated, customizable protocols, dedicated report-generation, scrapbook tools and ability to export to a PACS facilitate interdepartmental communication.



Dr Christophe BONNEL

«Myrian™ XP-LungNodule is the perfect monitoring tool for pulmonary nodules, whilst making the most of all the advanced functions of a comprehensive diagnosis console.

The module is used by the most prestigious post-graduate centres worldwide, such as the Kumamoto University Hospital in Japan and the Zuyong Armed Forces Hospital in Taipei.»

www.myrian.fr/xp-lungnodule

Nodule segmentation

Solitary solid nodules are segmented in one click and their volume is calculated for comparison in a reproducible manner

Display protocols

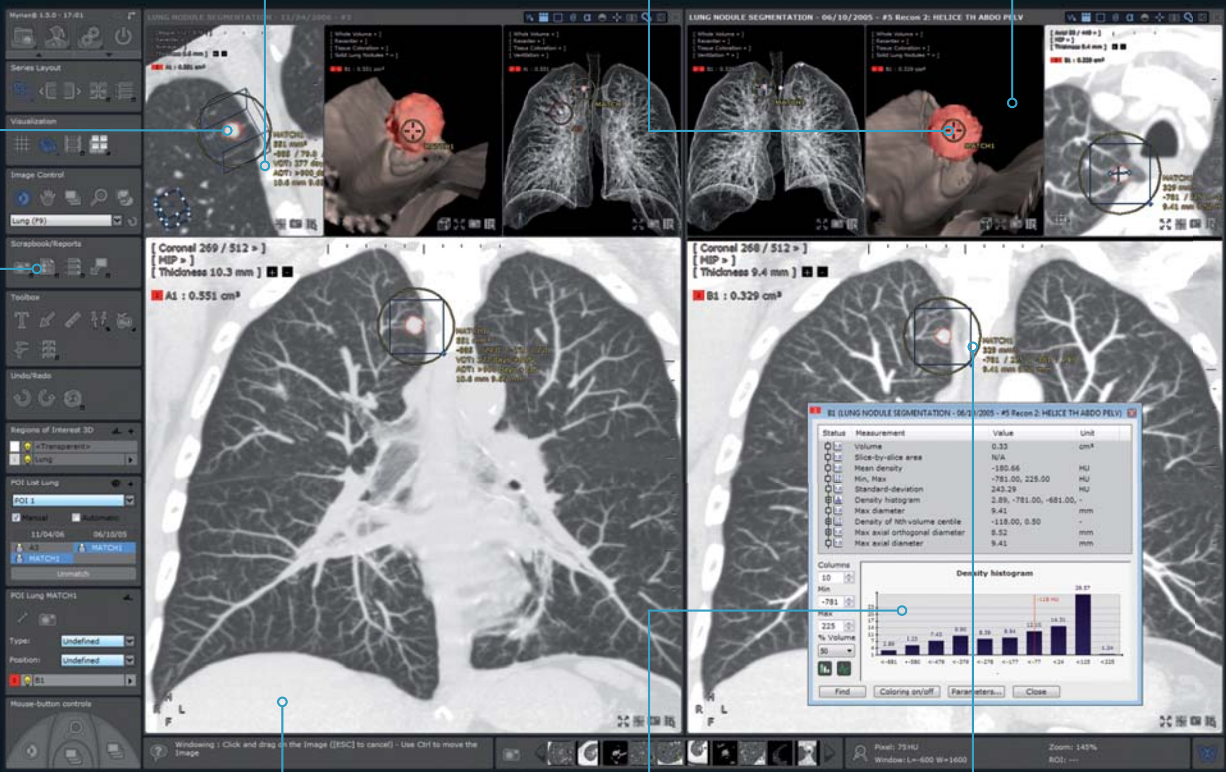
For maximum efficiency, your studies are automatically displayed in comparison mode and reconstructed using a dedicated, customizable protocol

3D colour rendering

Asses nodules shape, extension and morphological characteristics in 3D

Translucent 3D view

You can visualise nodules in their anatomical context by simply adjusting the transparency level of the lung volume rendering



Integrated reporting tools

Generate comprehensive reports including findings summary table and snapshots. Save them to the PACS in DICOM format

Optimised workflow

Full integration in the 3D diagnostic console and smart protocols optimise your workflow

Density analysis

Characterize nodules by accessing their density histogram in one click and calculating the density of the nth percentile

Follow-up

Automatic volume and dimension measurements are used to effortlessly calculate accurate nodule doubling time

Tools

- ☑ Automatic solitary solid lung nodule segmentation and volume measurement
- ☑ Automatic lung tissue segmentation and 3D visualisation of nodules inside the lung
- ☑ Automatic measurement and characterization of lung nodules
- ☑ Pairing and follow-up through time with findings management
- ☑ Characterization with density histogram
- ☑ Smart protocols with optimised workspace
- ☑ Advanced visualisation in surfacic mode
- ☑ Creation of specifically adapted report

Compatibility

- ☑ Runs on Windows® XP, Windows Vista®, Windows 7™

Compatibility
Myrian™ Expert VL

	Processor	RAM	Screen Resolution	Graphics Cards	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

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TGA-AUSTRALIA REGISTERED
SFDA
ISO 9001
ISO 13485

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