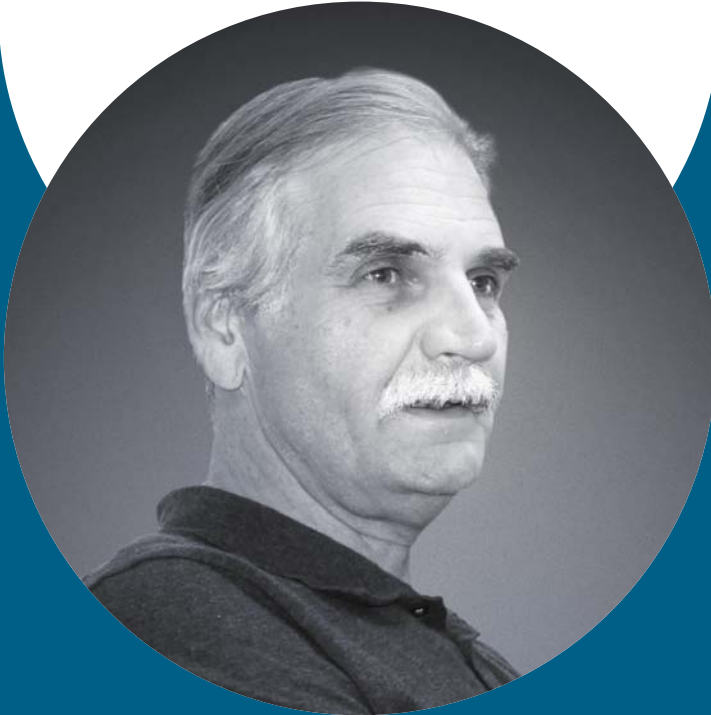


#04

SUCCESS STORY

by intrasense®



Meeting with Dr. Hyman

Myrian® provides NYMI® with quantitative longitudinal imaging assessment of tumor response to therapy

Dr. Hyman is a radiologist at one of the most prestigious private imaging practices in the New York metropolitan area: New York Medical Imaging Associates® also known as NYMI®. Located on the Upper East Side of Manhattan, it is a community-based diagnosis radiology practice, founded in 1971, where physicians have been providing high quality diagnosis imaging services for over forty years. New York Medical Imaging Associates® is equipped with the latest generation modalities and is ACR accredited in MRI, PET / CT, CT, Nuclear Medicine, Stereotactic Biopsy, Digital Mammography, Breast Ultrasound and Diagnostic Ultrasound. It is an ACR Breast Imaging Center of Excellence.



Dr. Hyman is a radiologist at NYMI® and is board certified in diagnostic radiology with additional qualification in neuroradiology specializing in cross sectional imaging, particularly CT and MRI.



Myrian® represents the new paradigm in medical imaging, where PACS functions as an image archive or library, while Myrian® provides all the advanced image processing and reporting tools for communicating critical data.

Needs

Gathering a team of more than ten highly experienced radiologists, the center is committed to continuously improving patients' access to safe, customized, and compassionate radiology care in a cost-effective and timely manner. A large part of the center's activities is based on MR imaging and is dedicated to cancer diagnosis and follow-up. NYMI® was looking for a solution that would allow more precise quantitative longitudinal imaging assessment of tumor response to treatment in order both to improve outcome and to reduce the cumulative amount of therapy needed for its effectiveness. The system thus had to deliver workflow optimization, and more: the practice was also looking for advanced multimodal visualization and analysis capabilities to ensure improved productivity, and for strong reporting and communication capabilities between clinicians and radiologists. Seamless integration with its RIS and PACS was a must to ensure efficient navigation between the systems and provide the expected dramatic time savings.

Why Myrian®?

Myrian® was soon identified as the solution perfectly matching all of the practice's needs in terms of integration, visualization, analysis and reporting. Indeed, Intrасense solution being vendor-neutral, it could integrate seamlessly with the center IT systems thus ensuring unified and automated workflow. Myrian® efficiently and automatically reorganizes, processes and displays radiology imaging studies, which further enhances this gain and offers unequalled time savings. It allows multi-monitor anatomic and functional layouts for easy cross referencing, using both image fusion and side-by-side displays. On top of its exam reconstruction capabilities such as MPR and 3D views, Myrian® provides advanced multimodal and multiparametric analysis, and qualitative and quantitative imaging information such as dynamic contrast subtraction, multiparametric maps and contrast uptake analysis. Additionally, the practice was impressed with Myrian® ability to seamlessly record and export parti-

nent critical images and quantitative data from baseline to follow-up studies, for more precise and efficient multimedia reporting and communication between health-care professionals and patients throughout the full chain of care.

Solution

Today, the site is equipped with Myrian® Expert VL platform, its organ-based applications and its workflow accelerator modules as follows:

- Myrian® Expert VL is a state-of-the-art multimodality solution for volume visualization and measurement, diagnosis and follow-up of lesions, cancers and chronic diseases. Selected by the best specialists for routine diagnosis, surgical planning, oncology and research, it offers the ultimate, state-of-the-art Intrасense technology and expertise and is a gateway to the powerful modules of Myrian®.
- Myrian® XP-Prostate allows the structured review and analysis of MRI multiparametric prostate studies.
- Myrian® XP-Colon performs accurate virtual colonoscopy.



NYMI® is one of the most prestigious private imaging practices in the New York metropolitan area.

- Myrian® XL-Onco is a fundamental tool for unequalled multimodality oncology follow-up based on generic and specific biomarkers such as RECIST.
- Myrian® XP-Lung analyzes and quantifies lung volumes and pathologies.
- Myrian® XL-4DNavigator allows navigation within multiphase acquisitions (4D) along spatial and time axis, facilitating visualization of contrast uptake in tissues and parametric maps.
- Myrian® StitchCreator is a one-click application allowing to automatically assemble and display multiple anatomical sequences of the body in one view and to create a new 3D series.

Next modules to be acquired by the practice will be Myrian® XP-Breast for the structured review and analysis of MRI multiparametric and dynamic breast images, and Myrian® XL-Fusion which allows real-time 3D overlay of functional and anatomical images from different modalities, such as PET and CT.

Benefits

Myrian® not only answers today's healthcare needs and challenges, it also anticipates tomorrow's by providing efficient image analysis, processing and sharing in oncology follow-up in a timely manner. With Myrian®, the center is now able to obtain critical qualitative and quantitative image information and to share it with powerful reports generated in one click. This results in fast and accurate diagnosis and follow-ups, but also in improved satisfaction from radiologists, referring physicians and patients. The center has also been able to enjoy Myrian® Structured Reading™ capabilities: thanks to dedicated application protocols by organ, modality or pathology, the users are guided through exams reading according to best practices and validated protocols allowing more focused and error-free activities, faster adoption of new standards and recommendations, consistent reading and improved productivity. NYMI® is now able to work more efficiently and productively, without having to suffer from broken workflows anymore.



Myrian® is a true productivity enabler and workflow optimization tool. I am also gratified by the ability to easily and efficiently navigate between PACS, RIS and Myrian®.

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