

#02

SUCCESS STORY

by intrasense®



Meeting with Doctor Yuriy Palamarchuk
St. Paraskeva Medical Center chooses Myrian® as a
unified multimodality solution for medical images
visualization and post-processing

Dr Yuriy Palamarchuk is head of radiology at St. Paraskeva Medical Center, a private center located in Lviv, in Western Ukraine. This state-of-the-art establishment is fully equipped with the last generation of radiological equipment: CT, mammography, digital X-ray, ultrasound, endoscopic video system and MRI. It gathers under one roof a multi-field pediatric clinic department, a diagnostic lab, a radiation diagnosis department and day-care facilities. Thanks to this comprehensiveness, the center is able to provide patients with diagnostic and follow-up on a wide range of pathologies. Quality of care is also enhanced by its teleradiology operations: thanks to the creation of a national network of telemedicine, St. Paraskeva Medical Center can involve expert radiologists and practitioners from Ukraine and other European medical centers.



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Needs

In order to maintain such a high level of quality and variety of care, it was fundamental for St. Paraskeva Medical Center to be equipped with an image post-processing solution that could integrate easily and seamlessly with all the modalities installed, so that the users could work in a unified environment. It was also key to add clinical applications to modalities' viewers in order to benefit from advanced functionalities and thus optimize the accuracy of diagnosis and follow-ups of patients in oncology and all other diseases and pathologies. Most of the exams being MRI, excellence in visualization and analysis of this modality was a must. Eventually, local language and support were strong prerequisites, with a need for a solution in Russian and local engineering support.

Why Myrian®?

Being one of the first centers in the region to be equipped with this modality, St. Paraskeva Medical Center's first uses of Myrian® were on MRI visualization and post-processing, which totally satisfied the users.

So when the Center needed an enlarged scope of functionalities, the choice of Myrian® was straightforward. Indeed, Intrasure® solution was clearly matching with the establishment's requirements: its vendor-neutral and multimodality capabilities, combined with unique and advanced visualization and post-processing tools accessible from inside and outside the center could enable radiologists to work efficiently in a unified workflow environment for improved and homogeneous operations. Adding to its natural ease-of-use, Myrian® is available in Russian and a local support could provide with any assistance if needed.

Solution

It has been more than three years that St. Paraskeva Medical Center has been using Myrian®. Today, the site is equipped with Myrian® Expert VL platform, its clinical modules Myrian® XP-Vessel and Myrian® XT-Cardiac, and its added-value technological options Myrian® StitchCreator, Myrian® XL-4DNavigator and Myrian® XL-Fusion.



We have been using Myrian® for more than 3 years. Among many other advantages, its reliability, ergonomics and dual-monitor reading capabilities have made it a fundamental solution for our team of radiologists on a daily basis.



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- Myrian® Expert VL is a state-of-the-art multimodality solution for volume visualization and measurement, diagnostic 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 Intrasense® technology and expertise and is a gateway to the powerful modules of Myrian®.
- Myrian® XP-Vessel is a powerful application for vascular pathologies characterization and surgery planning, which offers automatic vessels segmentation and centerline calculation, coronary artery analysis and stenosis measurement tools.
- Myrian® XT-Cardiac for MR enables advanced analysis of cardiac MRI with tools such as short axis and long axis ventricular function analysis, myocardial tissue characterization, dynamic signal intensity analysis, evaluation of velocity-encoded images, 4D viewing and MPR reformatting.
- Myrian® StitchCreator enables automatic stitching for whole body anatomical imaging.



Myrian® is a perfect solution for our whole team: multimodal, it can be used by our MRI specialists as well as by our CT-scan experts, always with the same ease-of-use.

- Myrian® XL-4DNavigator is used to navigate within a 3D examination, facilitating visualization of contrast uptake in tissues, in particular during acquisitions.
- Myrian® XL-Fusion is used for real-time 3D matching and fusion of images from different modalities.

Benefits

Thanks to Myrian®, St. Paraskeva Medical Center can now get accurate and reliable diagnosis information: indeed, not only can it now detect the disease at the earliest stage and perform treatment assessment, but also carry out screening and accurate diagnosis to ensure the best quality of treatment. Thanks to its ergonomics and improved workflow capabilities, reading and diagnosis operations can be done in a timely manner, from anywhere, participating to the practitioners' efficiency and to the patients' satisfaction. On top of the dramatic time-savings generated, Myrian®'s strong advanced functionalities and options bring images visualization and analysis to a next level, ensuring reading accuracy and thorough exploration of the exams.

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