
PRESS RELEASE

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RAYSTATION® 3.0 RELEASED

RaySearch Laboratories AB announces that version 3.0 of RaySearch's RayStation® treatment planning system has been released for clinical use in the European Union, USA, Japan and Australia and is pending regulatory approval in Canada, China, New Zealand and South Korea. The new version includes a wide range of new features and improvements.

RayStation® already included all of RaySearch's market-leading optimization algorithms for VMAT, IMRT and 3D-CRT. Version 3.0 adds numerous tools for traditional 3D-CRT planning. This means that RayStation is truly a state-of-the-art treatment planning systems for all treatment, ranging from the more traditional standard treatments to the most sophisticated advanced treatments.

From the start, RayStation® was designed to handle 4D adaptive radiation therapy and therefore, for instance, allows the users to perform dose tracking. This offers the possibility to perform accurate dose accumulation of any delivered or planned dose to any patient geometry using any combination of CT, MR, PET and 4D-CT data set. The new release includes further groundbreaking features in this field and RayStation 3.0 closes the whole adaptive loop with full support for adaptive replanning. This means that RayStation® is the first treatment planning system that lets the clinicians monitor the impact of a changing patient geometry as the treatment progresses, and seamlessly adjust and reoptimize the treatment in the same system.

In addition to the new features, RayStation® 3.0 includes major improvements and performance enhancements that further facilitate and speed up the treatment planning process. One very important example is the addition of full support for scripting using the well-established IronPython language. This lets the users automate large parts of the treatment planning process which both has the potential to save time and improve consistency. The scripting tools also enable extraction of any relevant patient data point thereby facilitating advanced studies of large amounts of patient data. Other examples include extensive improvements of the patient modeling workspace, the addition of several new organ models to the integrated model based segmentation tool and speed improvements in RayStation's unique multi-criteria optimization tools. In addition, the beam commissioning workspace has been reimplemented and powerful tools have been added to facilitate the beam commissioning process which minimizes the workload for the physics departments in the installation phase.

"RayStation® is by far the most advanced treatment planning system on the market today. The graphical interface and the workflow offer unrivalled usability but even more importantly RayStation® offers support for the radiation treatments of the future such as fully adaptive, patient-optimized treatments", says Johan Löf, CEO of RaySearch.

"We announced the previous version of RayStation® in the beginning of this year and we are very proud that we can already release an even stronger product. This development pace really sets us apart and we have the intention to continue at this pace to further extend our technological lead", concludes Johan Löf.

About RayStation®

RayStation® integrates all RaySearch's advanced treatment planning solutions into a flexible treatment planning system. It combines unique features such as multi-criteria optimization tools with full support for 4D adaptive radiation therapy. It also includes functionality such as RaySearch's market-leading algorithms for IMRT and VMAT optimization and highly accurate dose engines for both photon and proton therapy. The system is built on the latest software architecture and has a graphical user interface offering state-of-the-art usability.

About RaySearch

RaySearch Laboratories is a medical technology company that develops advanced software solutions for improved radiation therapy of cancer. RaySearch's products are mainly sold through license agreements with leading partners such as Philips, Nucletron, IBA Dosimetry, Varian, Accuray and Siemens. To date, 15 products have been launched through partners and RaySearch's software is used at over 2,000 clinics in more than 30 countries. In addition, RaySearch offers the proprietary treatment planning system RayStation® directly to clinics. RaySearch was founded in 2000 as a spin-off from Karolinska Institutet in Stockholm and the company is listed in the Small Cap segment on NASDAQ OMX Stockholm.

For more information about RaySearch, visit www.raysearchlabs.com

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