TOMOTHERAPY PLANNING NOW LIVE IN RAYSTATION

With the release of a new service pack, TomoTherapy planning is now available in RayStation® 6*, RaySearch's innovative radiation therapy treatment planning system. The service pack includes several other functionality improvements.

RayStation is now the only system to enable planning for both conventional linacs and TomoTherapy systems, giving clinics one point of control for all treatment planning needs. This is in line with RaySearch's ambition to unify treatment planning as far as possible, eliminating the complications and additional steps that arise from using multiple software systems.

TomoTherapy planning in RayStation is highly visual and intuitive to use, making it straightforward to achieve an optimal plan. At a glance, users can see MLC leaf shapes, jaw movements, estimated delivery time and other data that has previously not been immediately accessible. The user also has access to all RayStation's advanced functionality, including multi-criteria optimization and adaptive planning. Optimization capabilities for the TomoTherapy machine include dynamic jaw support, delivery time constraints and the possibility to specify regions where irradiation is avoided. TomoTherapy planning can be smoothly integrated into the clinical workflow and treatment plans are sent to Accuray's integrated data management system for delivery (IDMS 1.1 is required).

Other functionality added by the service pack includes manual editing of wave arcs for Vero machines and MR planning density view. MR-based planning is a new feature introduced in RayStation 6 that enables an MR-image to be used as the planning image.

RayStation customers who use TomoTherapy systems have expressed great interest. Marie Tiffany, Clinical Scientist Radiotherapy Physics at Queen Elizabeth Hospital Birmingham, UK, says: "The versatility of TomoTherapy treatment delivery, combined with the advanced planning and evaluation tools in RayStation, will provide a powerful tool to treat the most complicated cancers."

Johan Löf, CEO of RaySearch, says: "Our vision is to bring harmony to treatment planning. TomoTherapy planning is an important step, and we will shortly be adding support for further systems and technologies. Unified treatment planning brings many benefits to clinics, including simplified workflows and reduced demands on staff training."

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 photon, electron, proton and carbon ion therapy. The system is built on the latest software architecture and features a graphical user interface with state-of-the-art usability.

About RaySearch

RaySearch Laboratories AB (publ) is a medical technology company that develops innovative software solutions for improved radiation therapy of cancer. RaySearch markets the RayStation treatment planning system to clinics all over the world and distributes products through licensing agreements with leading medical technology companies. The company is also developing the next-generation oncology information system, RayCare®*, which comprises a new product area for RaySearch, and which will be launched in 2017. RaySearch's software is used by over 2,600 clinics in more than 65 countries. The company was founded in 2000 as a spin-off from Karolinska Institutet in Stockholm and the share has been listed on NASDAQ Stockholm since November 2003.

* Subject to regulatory clearance in some markets

More information about RaySearch is available at www.raysearchlabs.com

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