PRESS RELEASE
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RaySearch releases RayStation 2023B

RaySearch Laboratories AB (publ) announces the launch of RayStation®* 2023B, the latest version of the company's comprehensive oncology treatment planning system. Version 2023B offers innovative new features in addition to multiple general enhancements.

Radiation therapy becomes more and more tailored to each patient with highly conformal dose delivery to the tumor and reduced exposure of normal tissue. More precise treatment plans require a higher level of follow-up throughout the course of treatment to ensure that the planned dose stays on track, as well as possibilities to adapt the plan if deviations are found. RaySearch has conducted research within adaptive replanning for two decades and when entering the field of treatment planning with RayStation, the system was designed from start with dose tracking and adaptive replanning in mind. RayStation 2023B takes the next steps and improves the workflows for dose tracking and replanning further.

RayStation 2023B also comes with two innovative features within particle therapy: support for discrete proton arcs and robust optimization based on linear energy transfer (LET). LET optimization can be used in proton and ion therapy to lower LET in risk organs, which could reduce potential side effects of radiotherapy. Additionally, for treatments with heavy ions, such as carbon ions, particles with high LET can be focused inside the tumor, increasing the probability of tumor control.

Discrete proton arc optimization provides tools to create plans with many more beam angles, which results in more conformal dose distributions and less dose to risk organs than conventional proton plans. RayStation supports a one-click conversion into regular pencil-beam scanning plans to be delivered by any existing pencil-beam scanning proton treatment machine. With this development, RayStation brings proton arc advances to existing proton facilities.

Other highlights of RayStation 2023B include support for automatic field-in-field planning for photons, a method that generates homogeneous and conformal dose distributions by combining a few subfields, as well as point-based optimization of brachy plans, and faster loading of data.

RayStation in combination with RayCare adds support for automated task management for all the steps in the planning workflow and ensures the user always has the right information at the right place. With the combination of RayStation 2023B and RayCare 2023B all necessary treatment plan information is available in RayCare when selecting which plan to deliver at a certain fraction.

Johan Löf, founder and CEO, RaySearch, says: "With RayStation 2023B we show our strong dedication in providing world-class solutions for treatment planning. Adaptive replanning and high-level of integration of different systems at the clinic will pave the way towards personalized treatments and improved patient care."

About RaySearch
RaySearch Laboratories AB (publ) is a medical technology company that develops innovative software solutions for improved cancer treatment. RaySearch markets the RayStation®* treatment planning system (TPS) and the oncology information system (OIS) RayCare®*. The most recent additions to the RaySearch product line are RayIntelligence® and RayCommand®*. RayIntelligence is an oncology analytics system which enables cancer clinics to collect, structure and analyze data. RayCommand, a treatment control system (TCS), is designed to link the treatment machine and the treatment planning and oncology information systems.

RaySearch's software has been sold to over 900 clinics in more than 40 countries. The company was founded in 2000 as a spin-off from the Karolinska Institute in Stockholm and the share has been listed on Nasdaq Stockholm since 2003. More information is available at raysearchlabs.com.

About RayStation
RayStation®* is a flexible, innovative treatment planning system, chosen by many leading cancer centers worldwide. It combines unique features such as unmatched adaptive therapy capabilities, multi-criteria optimization, market-leading algorithms for treatment plan optimization for HDR brachytherapy and external beam therapy with photons, electrons, and protons, as well as helium and carbon ions. RayStation supports a wide range of treatment machines, providing one control center for all treatment planning needs and ensuring centers get greater value from existing equipment. RayStation also seamlessly integrates with RayCare®*. By harmonizing the treatment planning, the care of cancer patients worldwide is improved.

About RayCare
The RayCare®* oncology information system (OIS) is designed to support the many complex logistical challenges faced by today's oncology clinics. RayCare is closely integrated with RayStation®* and provides seamless access to all the powerful planning tools in RayStation and RayCommand®. The system efficiently coordinates activities in radiation therapy and offers advanced features for clinical workflow automation, and adaptive radiation therapy. RayCare responds to the demand from clinics for a more user-friendly and workflow-oriented information system that can support the cancer care of the future.

Subject to regulatory clearance in some markets.

For more information, please contact:
Johan Löf, founder and CEO, RaySearch Laboratories AB (publ)
Telephone: +46 (0) 8 510 530 00
johan.lof@raysearchlabs.com