
PRESS RELEASE

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Latest innovations in RayStation, RayCare and RayIntelligence to be presented at ASTRO 2023

RaySearch will be showcasing the latest software innovations at ASTRO in San Diego, California, October 1-4. Participants can book demonstrations of RayStation® treatment planning system, RayCare®* oncology information system, and cloud-based oncology analytics system RayIntelligence®, in RaySearch's booth 3245 during the event.*

RayStation 2023B offers support for automatic field-in-field planning for photons, a method which generates homogeneous and conformal dose distributions by combining a few subfields, and point-based optimization of brachytherapy plans, and more efficient data loading. Attendees can experience the next steps in workflow improvements for dose tracking and adaptive replanning. Within particle therapy planning, support for proton arcs and robust optimization based on linear energy transfer (LET) will be highlighted.

The latest version of RayCare includes enhanced treatment schedules, support for enhanced data migration, including feature and usability updates to the patient chart and task management. Attendees will be able to experience the new dedicated workspace for treatment course management which supports all user needs in relation to managing the fractionation schedule for treatments including assignment of plans, managing treatment settings, and handling approvals.

RaySearch's latest product, the cloud-based oncology analytics system RayIntelligence will also be demonstrated during the congress. RayIntelligence features support such as import of DICOM data and new clinical goals dashboards.

Johan Löf, founder and CEO, RaySearch, says: "We're excited to return to ASTRO in San Diego, meeting valued partners as well as customers and potential customers. We are also eager to showcase our latest product innovations to attendees joining us in our booth."

Demonstrations at ASTRO include:

- Brachytherapy planning
- Cyberknife planning
- Synthetic CT generation
- Deep learning segmentation
- LET evaluation
- Cloud based data analytics
- Customizable oncology workflows
- Ocular planning

Poster presentations

Comprehensive Beam Modeling, Secondary Dose Computations and Treatment Planning for a 1.5 T MRgRTSystem

Speakers

K Kierkels and G Hilgers, Radiotherapiegroep, Arnhem/Deventer, the Netherlands

C Fälth and A Angerud, RaySearch Laboratories AB, Stockholm, Sweden

Towards clinical proton minibeam radiation therapy (pMBRT): development of clinical pMBRT syst prototype and pMBRT-specific treatment planning method

Speakers

Yuting Lin, Weijie Zhang, Dan Johnson, Wangyao Li, Gregory N Gan, Ronald C Chen and Hao Gao, Department of Radiation Oncology, University of Kansas Medical Center, Kansas City, KS, USA

Yolanda Prezado, Institut Curie Research Center, Orsay, France

Erik Traneus, RaySearch Laboratories AB, Stockholm, Sweden

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.

About RayIntelligence

Data-driven oncology represents a new era in healthcare. RayIntelligence® is an innovative cloud-based oncology analytics system that gives meaning to data, empowering cancer centers to reach new levels of personalized care through insights based on clinical data.

** Subject to regulatory clearance in some markets.*

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