
PRESS RELEASE

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RaySearch to demo machine learning at RSNA 2019

- *RaySearch Laboratories AB (publ) will exhibit its latest advances at the 105th Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA 2019) in downtown Chicago, USA, from December 1-6.*
- *The Swedish MedTech company will demo the machine learning capabilities of its flagship RayStation®* and RayCare®* systems.*
- *Visitors to the event are welcome to join RaySearch in South Hall, Level 3 — Exhibit #1125.*

Artificial intelligence and machine learning will be in the spotlight at RSNA 2019 as an estimated 50,000 visitors pack Chicago's expansive McCormick Place to get hands-on experience with state-of-the-art technologies and explore the latest medical research.

RaySearch operates at the cutting edge of technological innovation in the healthcare industry. The Swedish MedTech company will be present at RSNA 2019 to demonstrate machine learning and automation in its treatment planning and oncology information systems.

Machine learning capabilities in RayStation

RayStation is an innovative treatment planning system chosen by many of the leading cancer centers in the world. The system uses a classical machine learning method based on random forest for automatic plan generation, and deep neural networks (DNN) for organ segmentation. The first-ever patient treatments generated using machine learning in RayStation took place in May 2019, less than 12 months after the market release of that feature. The system received FDA 510(k) clearance in July 2019.

Putting ecosystem thinking in practice

The latest version of RayStation comes with updates and improvements offer support for many of the leading cancer treatment machines available on the market. The goal is to actively avoid silos in the healthcare industry and harmonize treatment planning to enable better care for cancer patients worldwide.

RayCare is designed to enhance efficiency

The oncology information system RayCare offers users a digital workspace with a personalized overview and simplified management of tasks, messages and appointments. As different clinical decision points are reached during the treatment planning process, RayCare can tailor workflows accordingly. The latest version introduces RayCare Flow, a feature package designed to optimize the treatment planning process by providing automated task management for all steps in the workflow.

Virtual simulation with Canon Medical

Together with our industry partner Canon Medical, RaySearch will demonstrate virtual simulation in RayStation that complements Canon Medical's CT, PET/CT and MRI simulators. Demos can be booked at the RaySearch or Canon Medical booths.

About RaySearch

RaySearch is a medical technology company that develops innovative software solutions to improve cancer care. The company markets the RayStation treatment planning system and RayCare, the next-generation oncology

information system, worldwide. Over 2,600 clinics in more than 65 countries use RaySearch software to improve life and outcomes for patients. The company was founded in 2000 and the share has been listed on Nasdaq Stockholm since 2003.

About RayCare

RayCare is designed to support the complex logistical challenges of modern oncology clinics. It represents the future of oncology information system technology, supporting the vision of one oncology workflow. Many cancer patients receive a combination of treatment types, and RayCare is designed to reflect that. It will efficiently coordinate activities in radiation therapy, chemotherapy and surgery and will offer advanced features for clinical resource optimization, workflow automation and adaptive radiation therapy. RayCare is being developed with tomorrow's requirements for advanced analytics and decision support in mind.

About RayStation

RayStation combines unique features such as unmatched adaptive therapy capabilities, multi-criteria optimization, market-leading algorithms for IMRT and VMAT optimization with highly accurate dose engines for photon, electron, proton* and carbon ion* therapy. 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.

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

** Subject to regulatory clearance in some markets*

For further information, please contact:

Johan Löf, President and CEO, RaySearch Laboratories AB (publ)

Telephone: +46 (0)8-510 530 00

johan.lof@raysearchlabs.com

Peter Thysell, CFO, RaySearch Laboratories AB (publ)

Telephone: +46 (0)70 661 05 59

peter.thysell@raysearchlabs.com