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# PRESS RELEASE

STOCKHOLM, OCTOBER 2, 2023

## RaySearch and Mevion – A synergy of innovation transforming proton therapy

*RaySearch Laboratories AB (publ) is proud to announce the continued commitment with Mevion Medical Systems, the leading global provider of compact proton therapy solutions, to develop new proton therapy solutions in support of current and emerging technologies. Together RaySearch and Mevion re-imagine novel solutions to advance the use of new proton therapy technologies and empower medical providers to rapidly and efficiently bring next-generation proton therapy services to their patients.*

The collaboration leverages both companies' domain expertise in the advancement of innovative solutions for HYPERSCAN IMPT, adaptive therapy, proton arc therapy, and FLASH proton therapy. Key development areas are:

- **RayStation®\* treatment planning system:** RaySearch is optimizing treatment planning algorithms to advance the use of the HYPERSCAN PBS technology. One of the upcoming goals is to further develop existing algorithms to support upright treatments of the new ultra-compact MEVION S250-FIT proton therapy platform.
- **RayCare®\* oncology information system:** RayCare is designed to efficiently support complex and advanced clinical processes such as adaptive therapy. Mevion has integrated in-room diagnostic CT imaging on the MEVION S250i and MEVION S250-FIT platforms to optimize the use of adaptive therapy. RaySearch and Mevion will join forces to streamline and standardize the delivery of adaptive proton therapy treatments by integrating these technologies.
- **Proton arc therapy:** Arc therapy is an emerging proton therapy treatment delivery technique that optimizes rotational techniques of a gantry or upright patient positioner to conform and precisely target a tumor from multiple angles. Mevion technology has unique capabilities with the HYPERSCAN PBS technology with pMLC, fast energy switching, and integrated robotic motion control capabilities. RaySearch is developing treatment planning algorithms in RayStation to use these advanced technologies.
- **FLASH proton therapy:** FLASH proton therapy is an investigational solution that delivers a high dose in a short period of time with the goal of substantially reducing treatment times and minimizing damage to healthy tissue and critical organs. RaySearch and Mevion are combining their strengths to enhance the accessibility and efficiency of FLASH, while facilitating its transition from research to clinical application.

Tina Yu, Ph.D., CEO and President of Mevion Medical Systems, says: “The synergy between Mevion Medical Systems and RaySearch Laboratories continues to redefine the landscape of cancer care. The united strength of our collaborative partnership is accelerating the deployment of emerging proton therapy developments. We are committed to breaking down technological and clinical access barriers to superior proton therapy technology.”

Johan Löf, founder and CEO, RaySearch, says: “RaySearch’s expertise in oncology software and Mevion Medical Systems’ latest technological advancements will continue to bring innovation in the proton therapy field and we look forward to working together with Mevion to further advance proton cancer treatments.”

#### About Mevion Medical Systems

Mevion Medical Systems is the leading provider of compact proton therapy systems for cancer care. Dedicated to advancing the design and accessibility of proton therapy worldwide, Mevion pioneered the single-room platform and continues to further the science and application of proton therapy. Since 2013, Mevion compact proton therapy single-room systems have been used by leading cancer centers for treating patients. Mevion's series of products, including the flagship MEVION S250i and MEVION S250-FIT\*\* with HYPERSCAN pencil beam scanning, represent the world's most compact proton therapy systems that eliminate the obstacles of size, complexity, and cost. Mevion is headquartered in Littleton, Massachusetts with a presence in Europe and Asia. For more information, please visit [www.mevion.com](http://www.mevion.com).

*\*\* The MEVION S250-FIT Proton Therapy System™, FLASH therapy, online adaptive therapy, and arc therapy are not yet available for clinical use.*

#### 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](http://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.*

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