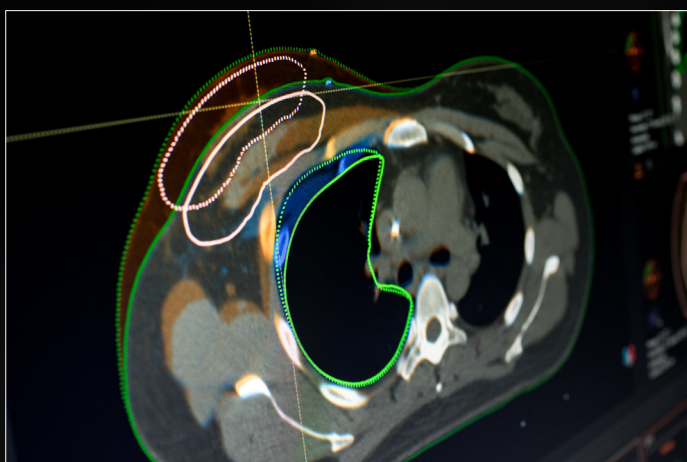# RayStation

RAYSTATION 7 IS HERE.
SEE WHAT'S NEW!

RayStation 7*, the latest release of RaySearch's innovative radiation therapy treatment planning system, adds new functionality and a wide range of improvements. Significant additions include support for HYPERSCAN technology from Mevion Medical Systems, and integration with RayCare*, the next-generation oncology information system shortly to be launched by RaySearch.

Subject to regulatory clearance in some markets.

GENERAL PLANNING NEWS

- Robust constraints in MCO
- Simulated organ motion for robust optimization and evaluation
- Multi-atlas-based segmentation
- Dynamic conformal arc planning
- Opening a patient case is up to 60% faster
- Possibility to approve and thereby lock templates
- Margins for treat-and protect ROIs can be given per ROI for every beam
- Possibility to collapse gantry angles of VMAT beams for QA
- Beams and cutout contours kept when changing machine for electron plan

INTEGRATION WITH RAYCARE 1

- Configure planning workflow and tasks in RayCare
- A task launches RayStation in the right workspace with the right patient
- Triggers in RayStation will indicate completion of key tasks
- Status of contouring, planning, etc.
- Task and data completion drives the workflow in RayCare and alerts users to tasks that are ready to start
- Task automation reduces number of manual steps
- Images will be imported automatically into RayStation
- Users can communicate RayCare and can auto-document everything related to the planning activities
- Whiteboard view provides overview of all planning tasks

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PROTON PLANNING

MEVION HYPERSCAN SUPPORT

- All standard RayStation planning and optimization tools supported
- Support for Adaptive Aperture™, with collimation on a spot-by-spot basis
- Fast MC dose calculation, including the Hyperscan Energy Selector and Adaptive Aperture™

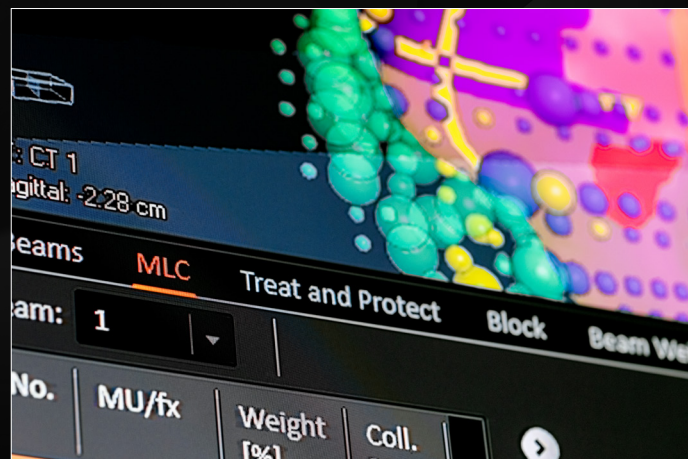### MITSUBISHI ELECTRIC CO UNIFORM SCANNING SUPPORT

- All standard RayStation planning tools supported
- MLC and block aperture planning supported

MLC COLLIMATION FOR ION DELIVERY SYSTEMS

- MLC with PBS, Line Scanning, Uniform Scanning, Wobbling and Double Scattering
- ROI/margin-based planning tools
- Full manual control of leaf settings

ROBUST OPTIMIZATION PERFORMANCE

- Shorter optimization time
- Lower memory consumption

SMART TOOLS FOR EASIER WORK

RayStation 7 features a range of additional tools designed to make your workflow smoother and easier.

Simulated organ motion for robust optimization and evaluation

Interpolated contouring using smart brush tool

Robust constraints for multi-criteria optimization

Protocol management of Pareto plan generation and prescription

Multi-atlas based segmentation

Conformal arc planning for photons

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