RayStation

2023 B

RAYSTATION 2023B IS HERE.
SEE WHAT'S NEW!

RayStation® 2023B* comes with automatic field-in-field planning, robust LET optimization, support for discrete proton arcs, as well as numerous improvements throughout the system.

AUTO-FIELD IN FIELD

Automatic field-in-field photon planning for any treatment site and for any beam arrangement has been added to RayStation 2023B. Included with the base package, the module will streamline this 3D planning method. The auto field-in-field tool uses the prescription to define a dose goal. The algorithm then generates a primary field and iteratively creates the subfields based on this goal.

LET OPTIMIZATION

RayStation 2023B brings support for robust optimization on dose-averaged linear energy transfer (LETd) for protons and carbon ions.

DISCRETE PROTON ARC PLANNING

Discrete proton arc planning provides tools to create plans with more conformal dose distributions and less dose to risk organs than conventional proton plans. The resulting plans can be delivered by any existing pencil-beam proton treatment machine.

Subject to regulatory clearance in some markets.

RaySearch Laboratories
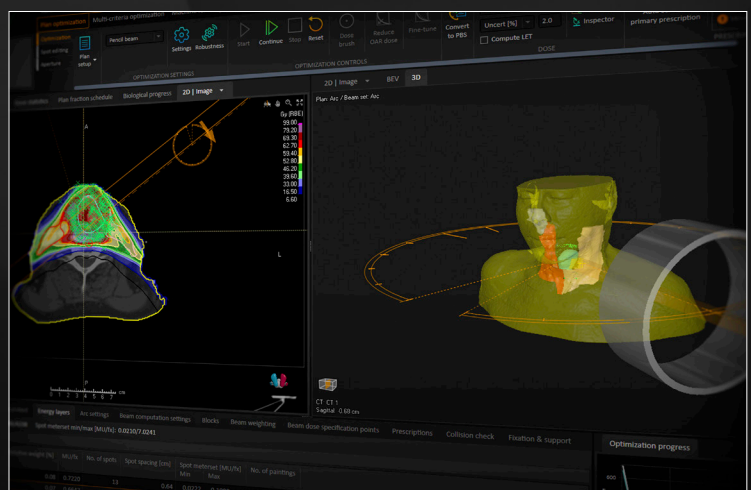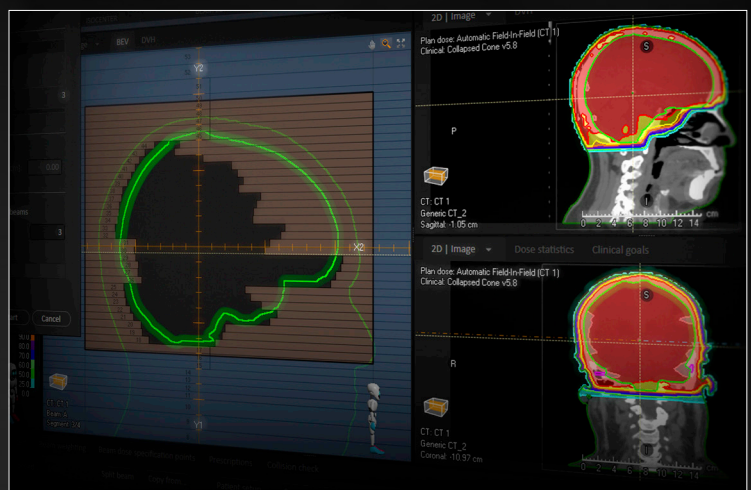
OTHER RAYSTATION 2023B HIGHLIGHTS

GENERAL PLANNING NEWS

- Improved workflows for dose tracking and adaptive replanning

- Faster loading of patient cases with a large amount of data

- Localize isocenter function now available in all beam lists
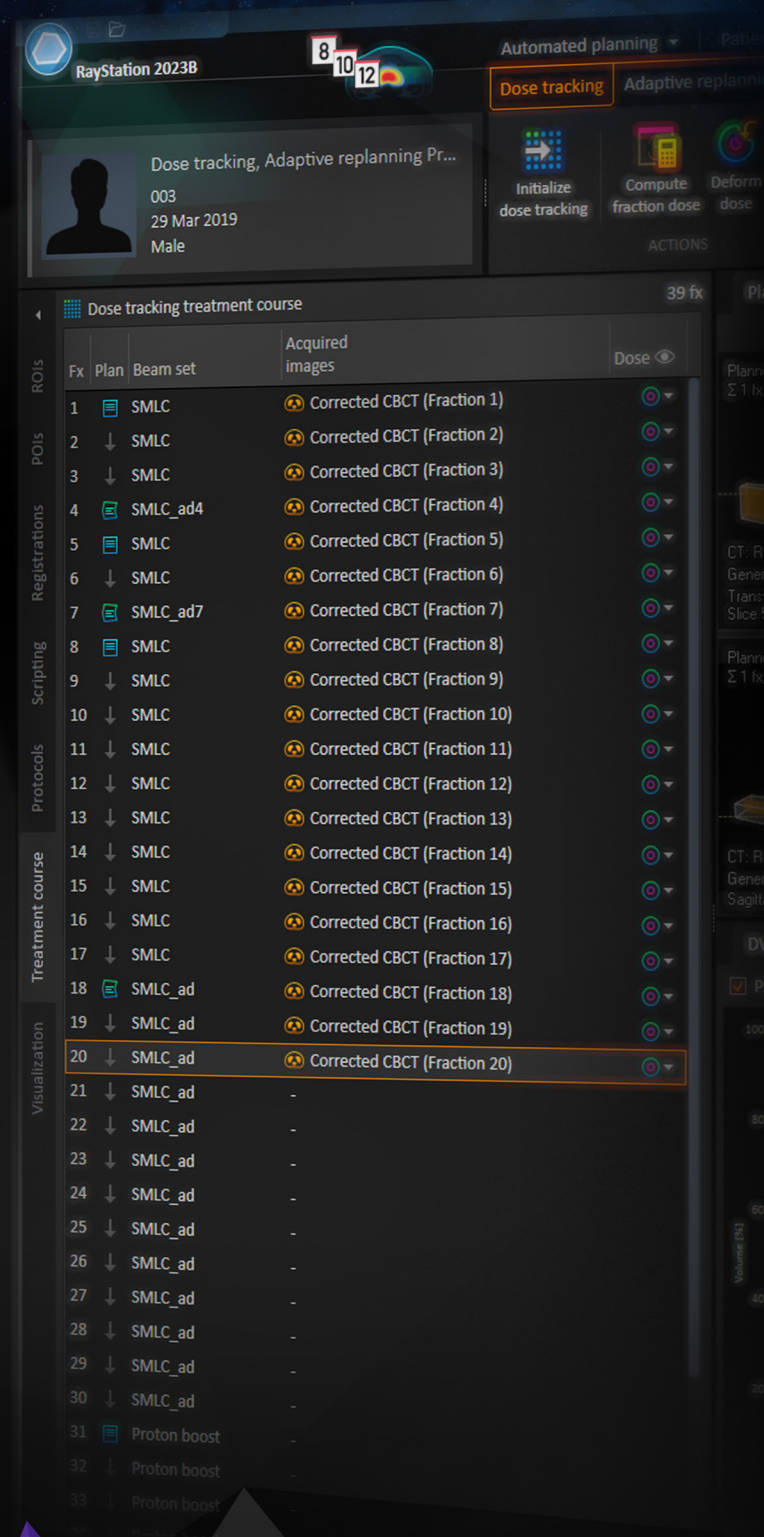
LINAC PLANNING NEWS

- Improved conformance to target for VMAT segments

- Significantly faster optimization of CyberKnife plans with cone and iris

- Improved dose centering during delivery when using Motion Synchronization for Radixact treatment machines

- Possibility to define several machine parameters per beam quality

- Enhanced leaf and jaw tip modeling for electrons

- Display of gamma curves and dose difference curves during beam modeling

BRACHY PLANNING NEWS

- Point-based optimization

LIGHT ION PLANNING NEWS

- Nuclear interaction correction (NIC) introduced in the light ion pencil beam dose engine

- Improved LET computation using the trichrome fluence model

Subject to regulatory clearance in some markets.

RaySearch Laboratories