RAYSEARCH AT PTCOG 63 | BOOTH #08

RaySearch Laboratories

# ON DEMO IN OUR BOOTH

## RayStation*

- Dedicated particle planning features, including
  - Proton arcs
  - Near instant proton Monte Carlo dose computation
  - Robust optimization and evaluation
  - Upright treatment planning
  - LET optimization and evaluation
  - Eye planning
  - Carbon & helium ion therapy
  - Multi-ion optimization***
  - BNCT
  - IBA ConformalFLASH® and DynamicARC® planning***
- High-speed automated adaptive replanning and daily dose tracking
- Deep-learning segmentation
- Deformable image registration
- Synthetic CT from CBCT
- Automated treatment planning and integration with the Plan Explorer module
  - Automating the full workflow from image import to organ segmentation and plan optimization
  - Deep-learning planning
  - Automated planning with ECHO†
  - Plan explorer module for fast generation and evaluation of multiple plans
- Fallback planning
- Re-irradiation planning***
- Radiobiological optimization and evaluation
- Clearance check integration with MapRT, from Vision RT
- Radionuclide therapy***

## μ-RayStation

- μ-RayStation (Micro-RayStation) is a software platform for planning and evaluation in small animal irradiation research.

## RayCare*

- Active oncology workflows, with automation
- RayStation integration
- Treatment integrations
  - Proteus®PLUS/One
  - Varian TrueBeam®**
  - Radixact® and CyberKnife®™
- Treatment course management
- Diagnosis and staging
- Microsoft Word integration
- RayWorld scripting
- RayCare oncology RT PACS
- Image review
- Whiteboards
  - Planning
  - QA
  - Treatment
  - Appointments
  - Active patients
  - Charge review
  - Resource allocation

## RayIntelligence

- Treatment Planning Overview (RayStation and RayCare)
- Clinic Treatment Overview (RayCare)
- RayStation Performance Monitoring (RayStation)
- Planning Study Analysis (RayStation)
- Integrations with External Data Sources (RayStation)
- Planning Outcome Alignment (RayStation)
- Treatment Quality Assessment (RayStation)

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*Subject to regulatory clearance in some markets.
**The marks Varian and TrueBeam are trademarks of Varian Medical Systems Inc.
***Some functionality is under development (not clinical) or subject to regulatory clearance in some markets

Micro-RayStation is intended for pre-clinical research (in accordance with guidelines for ethical use of animals in research), and is not to be used for any clinical purpose.

†ECHO-algorithm developed at Memorial Sloan Kettering Cancer Center.