MACHINE LEARNING PLANNING MODEL

RSL-BREAST-L-2600-SBRT*

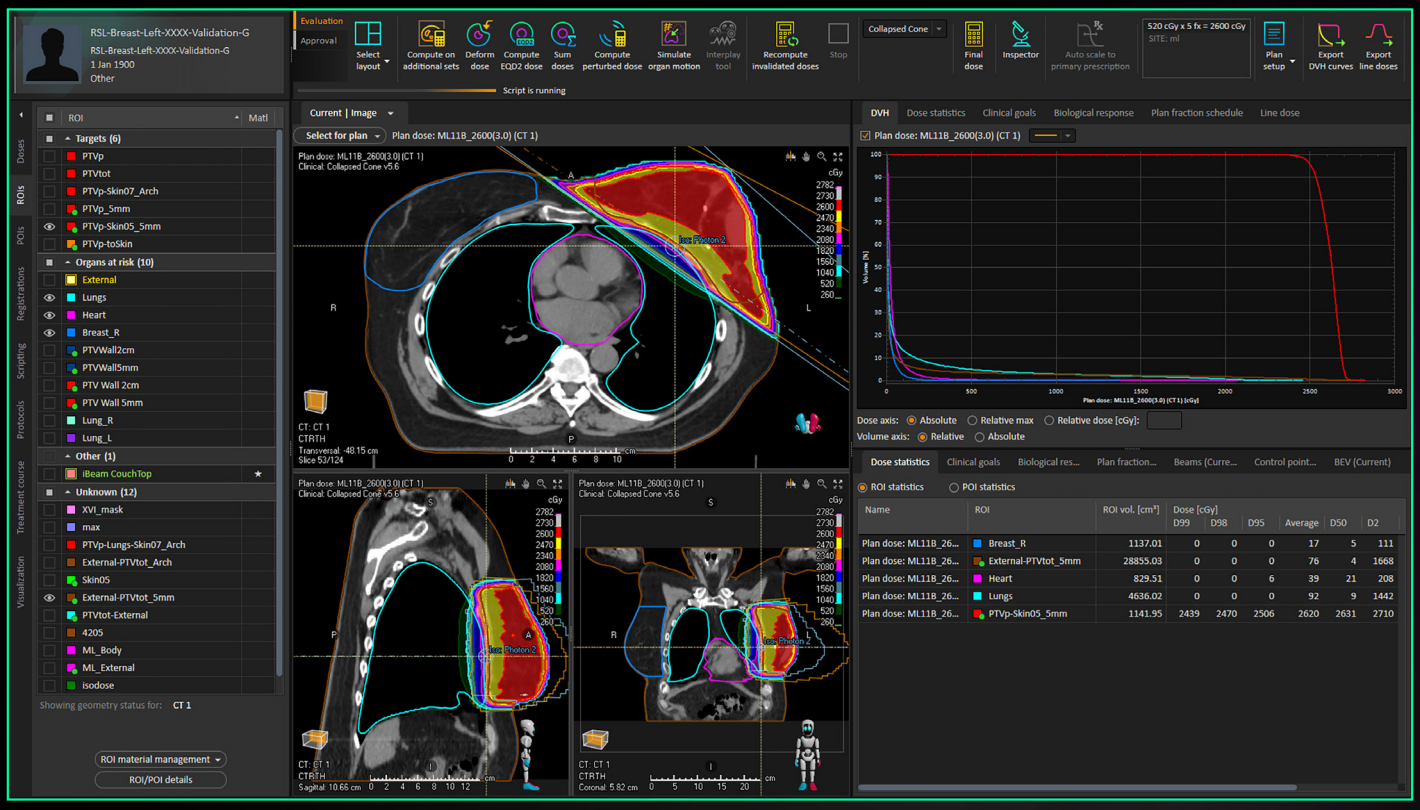
MODEL OVERVIEW

Model algorithm	U-Net
Model type	Automated Planning
Treatment site	Breast
Modality	Photons
Treatment techniques	Validated for SMLC
Prescribed dose [cGy]	2600
Number of fractions	5
Dose per fraction [cGy]	520

MODEL INFORMATION

The model has been validated quantitatively and qualitatively by RaySearch clinical specialist against the protocol below. Details can be found in the model validation report. RaySearch can help your clinic to adapt and commission the model to your protocol, clinical priorities, and treatment machines.

Validation patient example



Subject to regulatory clearance in some markets. Not for marketing in the USA or Canada.

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Model Protocol

Clinical goals	
PTVp-Skin05_5mm	At least 2470 cGy dose at 98.0 % volume
PTVp-Skin05_5mm	At least 2574 cGy average dose
PTVp-Skin05_5mm	At most 2.00 % volume at 2782 cGy dose
PTVp-Skin05_5mm	At most 2626 cGy average dose
Heart	At most 100 cGy average dose
Lungs	At most 200 cGy average dose
Heart	At most 150 cGy average dose
Lungs	At most 300 cGy average dose
External-PTVtot_5mm	At most 10.0 cm^3 volume at 2782 cGy dose
Breast_R	At most 100 cGy average dose

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