RayStation

DEEP LEARNING SEGMENTATION MODELS

Deep learning capabilities in RayStation®* help make image segmentation quicker and more consistent. A high-speed GPU-powered algorithm is capable of producing consistent segmentation results using segmentation models that have been trained and evaluated on clinical data for different body sites.

*Subject to regulatory clearance in some markets.

RaySearch Laboratories
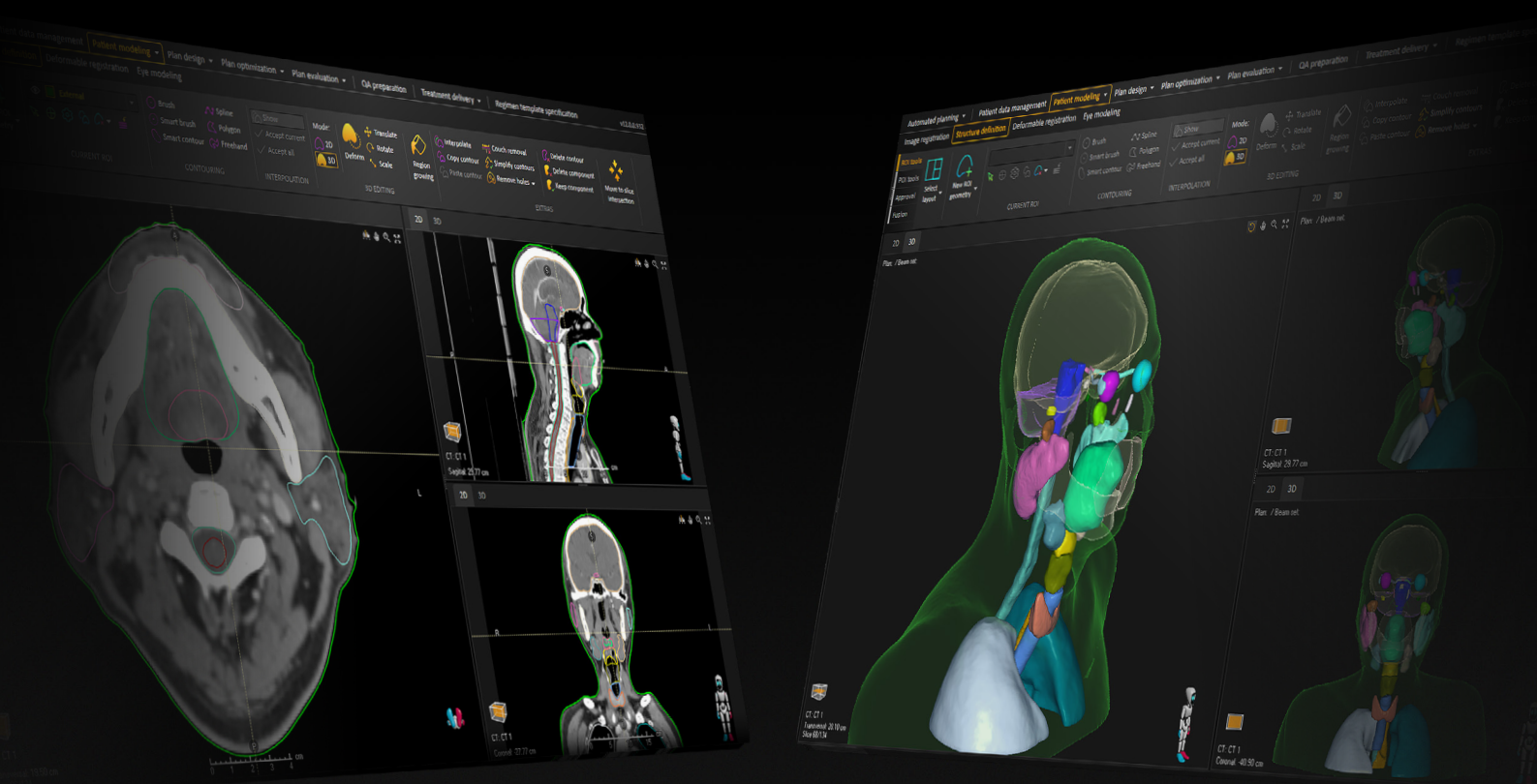
HEAD AND NECK CT
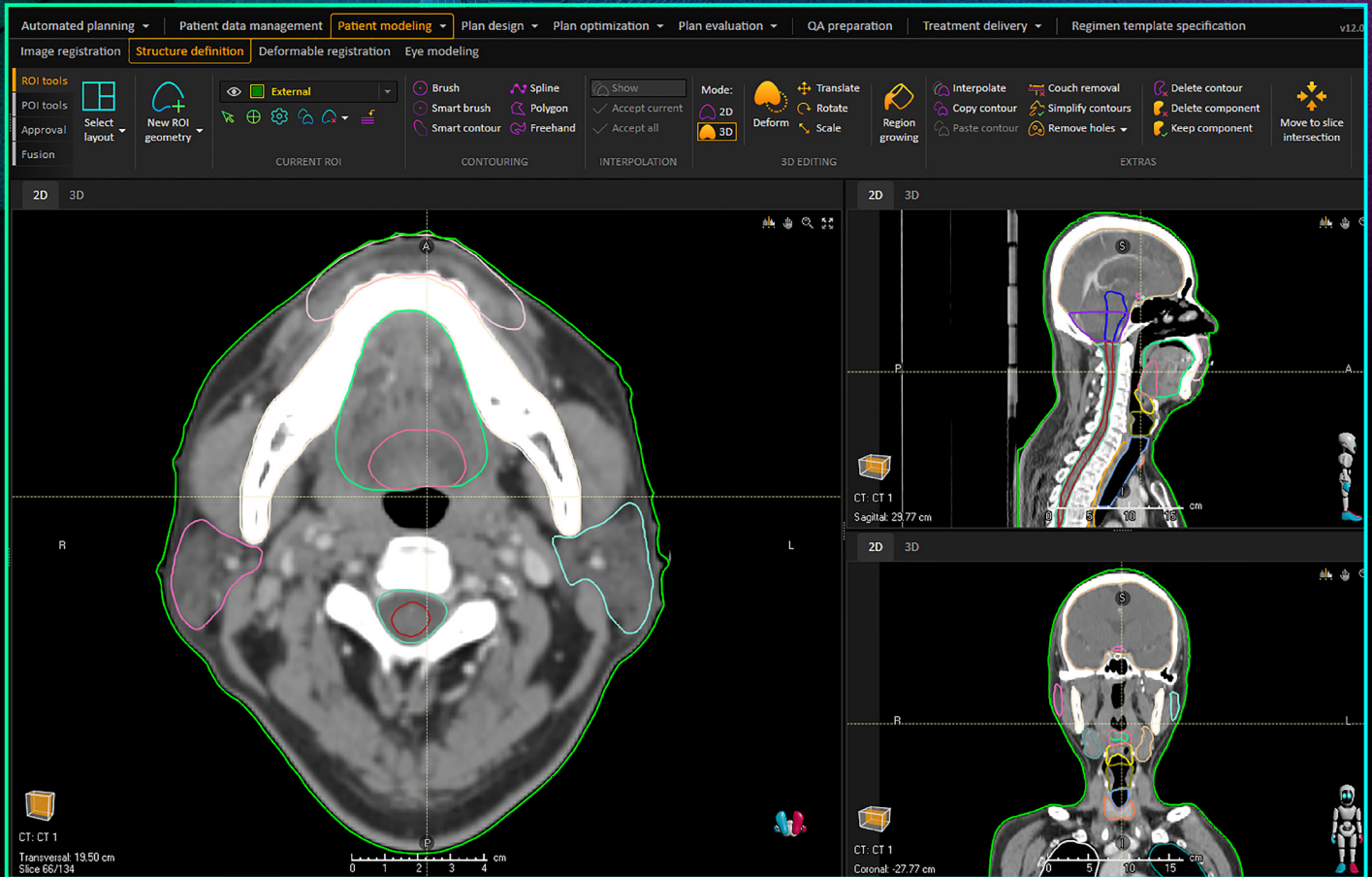
STRUCTURES

Brain	Oral cavity
Brainstem	Parotid gland L/R
Cochlea L/R	Pituitary
Esophagus	Posterior fossa
Eye L/R	Spinal cord
Glottic larynx	Submandibular gland L/R
Lacrimal gland L/R	Supraglottic larynx
Lens L/R	Temporomandibular joint L/R
Lips	Tongue base
Lung L/R	Thyroid gland
Mandible	Trachea
Nasolacrimal duct L/R	Optic chiasm
Optic nerve L/R	Spinal canal
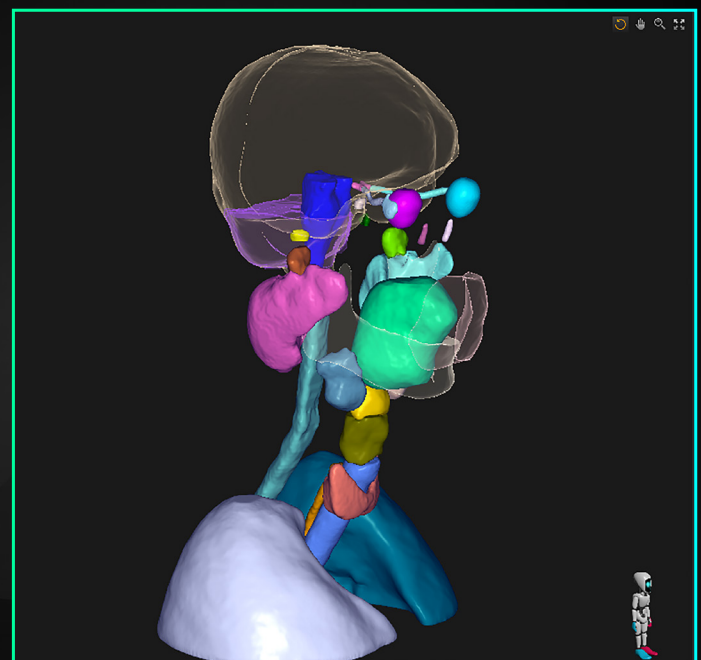
THORAX/ABDOMEN CT
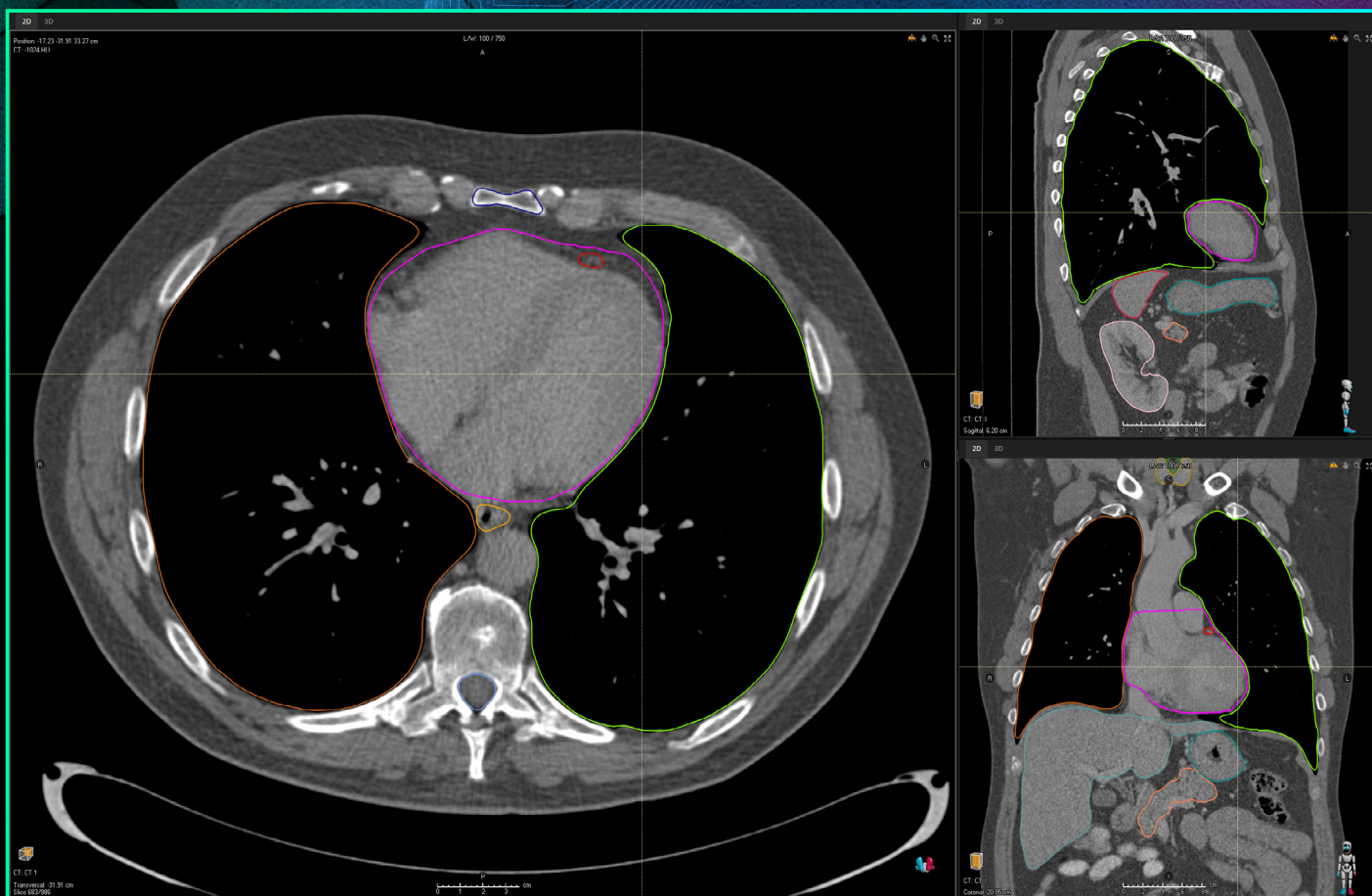
STRUCTURES

A. LAD	Stomach
Esophagus	Thyroid gland
Heart	Trachea
Kidney L/R	
Liver	
Lung L/R	
Pancreas	
Spinal Canal	
Spleen	
Sternum	

BREAST CT
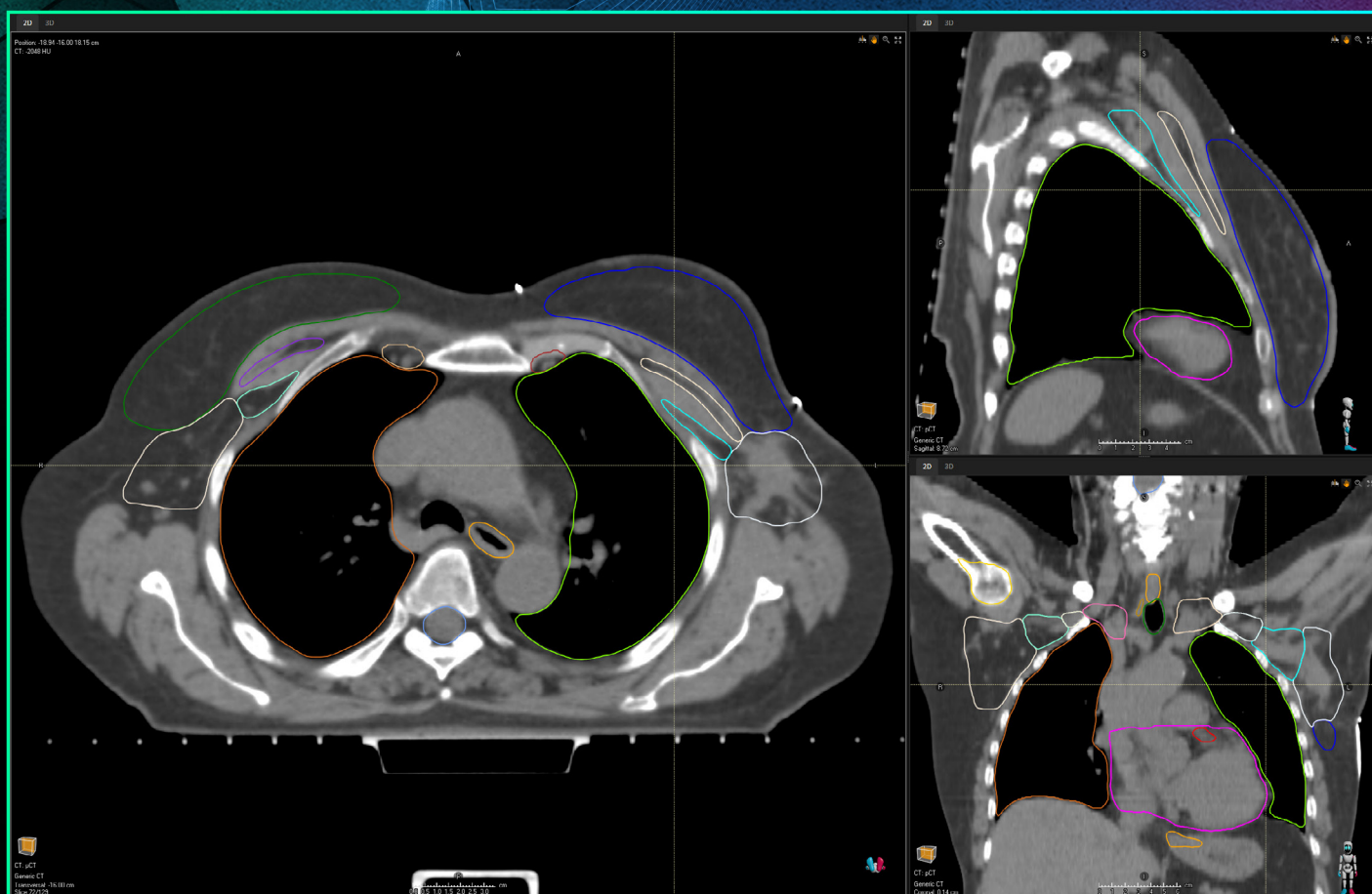
STRUCTURES

Breast L/R

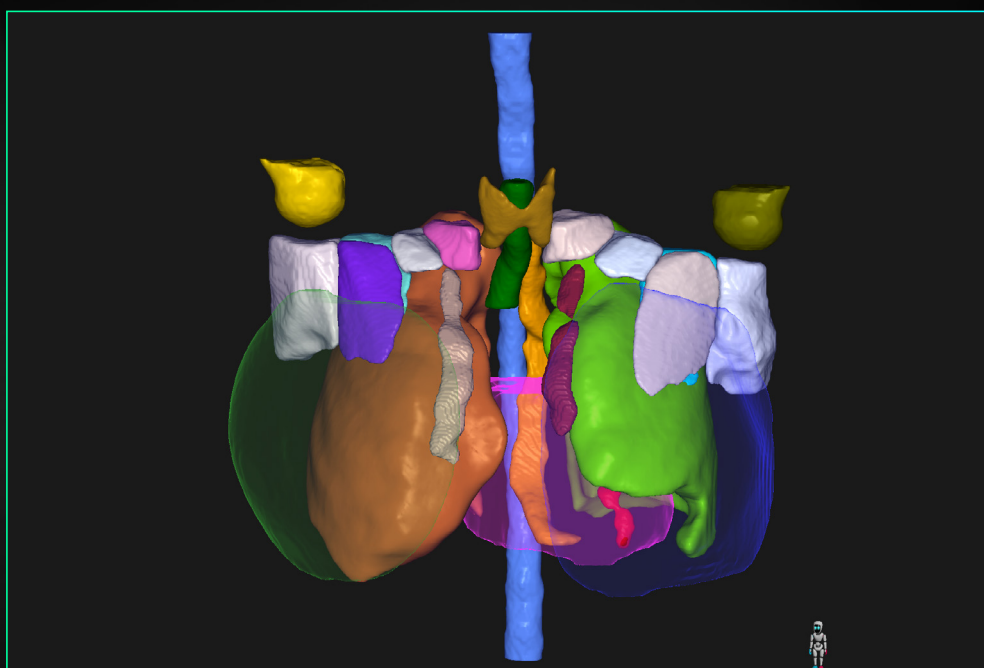Humeral head L/R

LN ax L1 L/R
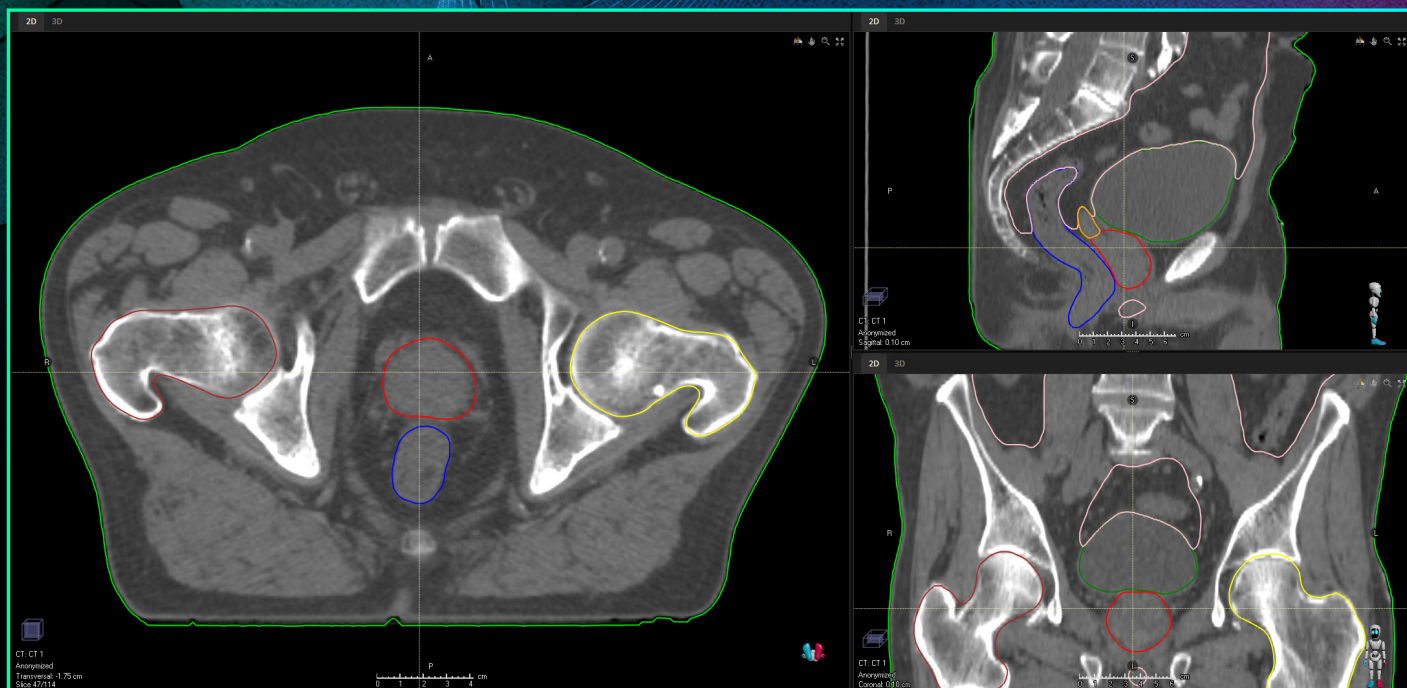
LN ax L2 L/R

LN ax L3 L/R

LN ax L4 L/R

LN ax pectoral L/R

LN IMN L/R

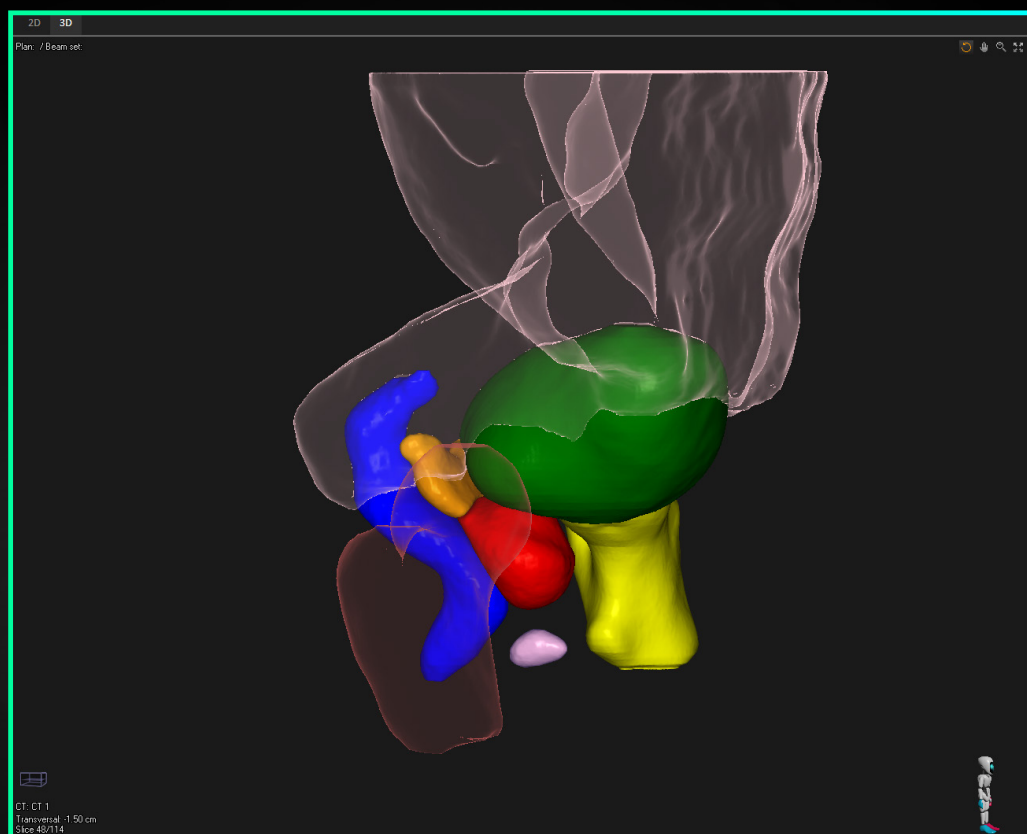# MALE PELVIC CT

STRUCTURES

Prostate

Bladder

Anorectum

Femoral head L/R

Seminal vesicles *

Penile bulb *

BowelBag *

RSL models to be released in the near future

RaySearch Deep Learning Segmentation models

ADVANCING CANCER TREATMENT

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 (OAS) 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 software is used by over 2,600 clinics in more than 65 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.

RayStation Deep Learning Segmentation models: 2022-05-24

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