



## AUTO-CONTOURING ADAPTED TO YOUR CLINIC

Train on YOUR data. Deploy in YOUR workflow. No PHI leaves your firewall.

### HOW IT WORKS

1

#### UPLOAD

DICOM studies

2

#### CONTOUR

AI segmentation

3

#### REVIEW

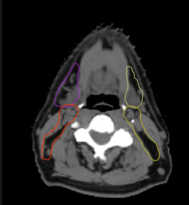
Smart edit + QA

4

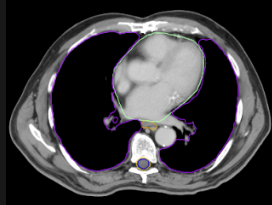
#### EXPORT

DICOM-RT to TPS

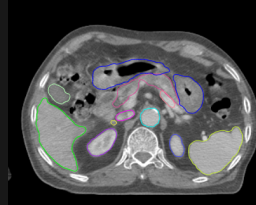
### CLINICAL EXAMPLES — MULTI-SITE, MULTI-MODALITY



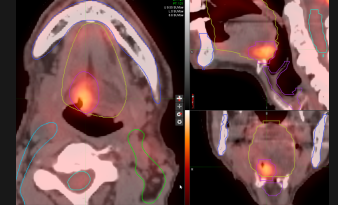
HEAD & NECK



THORAX



ABDOMEN / PELVIS



PET/CT TARGET

### CAPABILITIES

#### ACCURACY

##### INCREMENTAL LEARNING

Train your own model on 30-40 cases. ~24 hr local GPU. 15% label-missingness tolerated.

##### MULTI-MODALITY INPUT

PET/CT, MR/CT, mp-MRI. Same pipeline for OARs and target volumes.

##### NETWORK INNOVATIONS

3D U-Net + attention gates, deep supervision, patch-based sampling. Adaptive pre-processing.

#### WORKFLOW

##### NATIVE WEB

Browser-based contouring. No install on workstations. Smart-interpolation editor.

##### ECLIPSE TPS SCRIPTING

Run directly inside Varian Eclipse — contours land on the planning structure set.

##### DATABASE MONITORING

Watch a DICOM endpoint; auto-contour on arrival; route results to clinicians for review.

#### ASSURANCE

##### ON-PREMISE BY DESIGN

No PHI leaves your firewall. Air-gap compatible. No cloud. No external BAAs needed.

##### CONTOUR QA TOOL

DSC, HD, MSD, SDSC at scale. Side-by-side across models / vendors. Batch commissioning.

##### CUSTOMIZED PROTOCOLS

Mix models per disease site, per clinician, per trial. Clinical vs NRG guidelines.

FDA 510(k) K212274 · 100% ON-PREMISE · INCREMENTAL LEARNING

#### PROVEN AGAINST EXPERT MANUAL CONTOURS

AI rated **≥ manual in 50%+ of cases** across every group and reviewer.

Mayo Clinic — 6 GU rad-oncs + 2 RO residents · n=115 prostate cases · Duan et al., Med. Phys. 2023

#### RESEARCH COLLABORATIONS

MAYO CLINIC · UPENN · UVA · NRG · WASHU · CITY OF HOPE · DUKE · UC DAVIS · UNIVERSITY OF KENTUCKY

## LET'S TALK.

Visit [carinaai.com/intcontour](https://carinaai.com/intcontour)

Email [info@carinaai.com](mailto:info@carinaai.com) for a demo

#### NIH SUPPORTED

SBIR Phase II · >\$5M in awards



SCAN FOR DEMO