

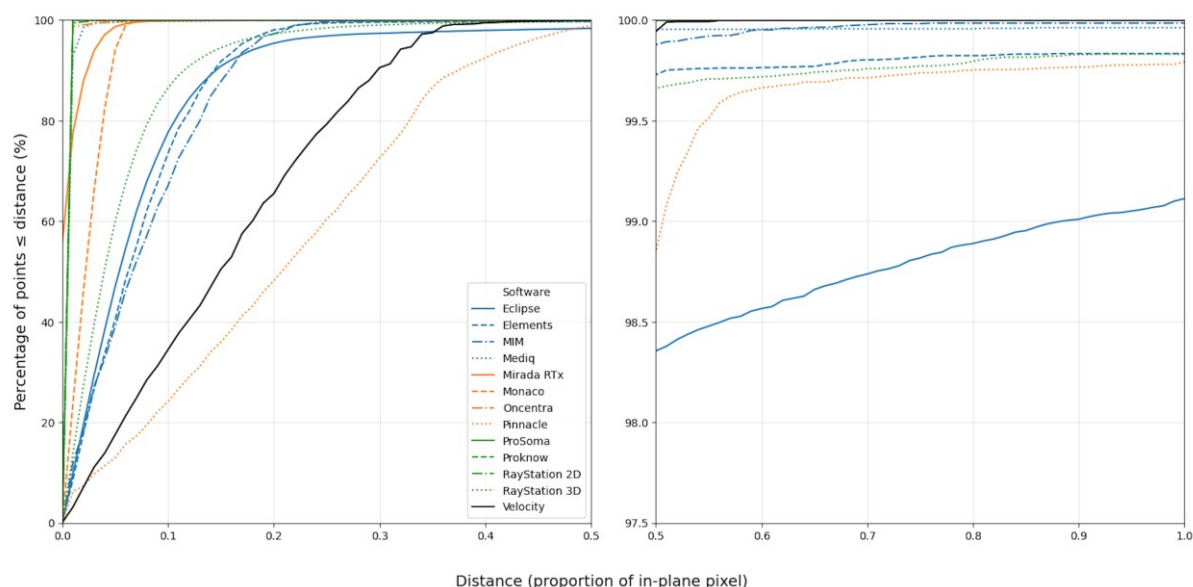


Figure 1 : Cumulative Distance Distribution for the Right Lung. The plot shows the percentage of RTSS vertices from the original contour that have been displaced by more than the distance indicated on the x-axis. The x-axis distances are given relative to the in-plane CT image voxel size of the original dataset. The plot is split to show the tail of the distribution for distances greater than half an in-plane CT voxel size, noting the change in scale of the y-axis.

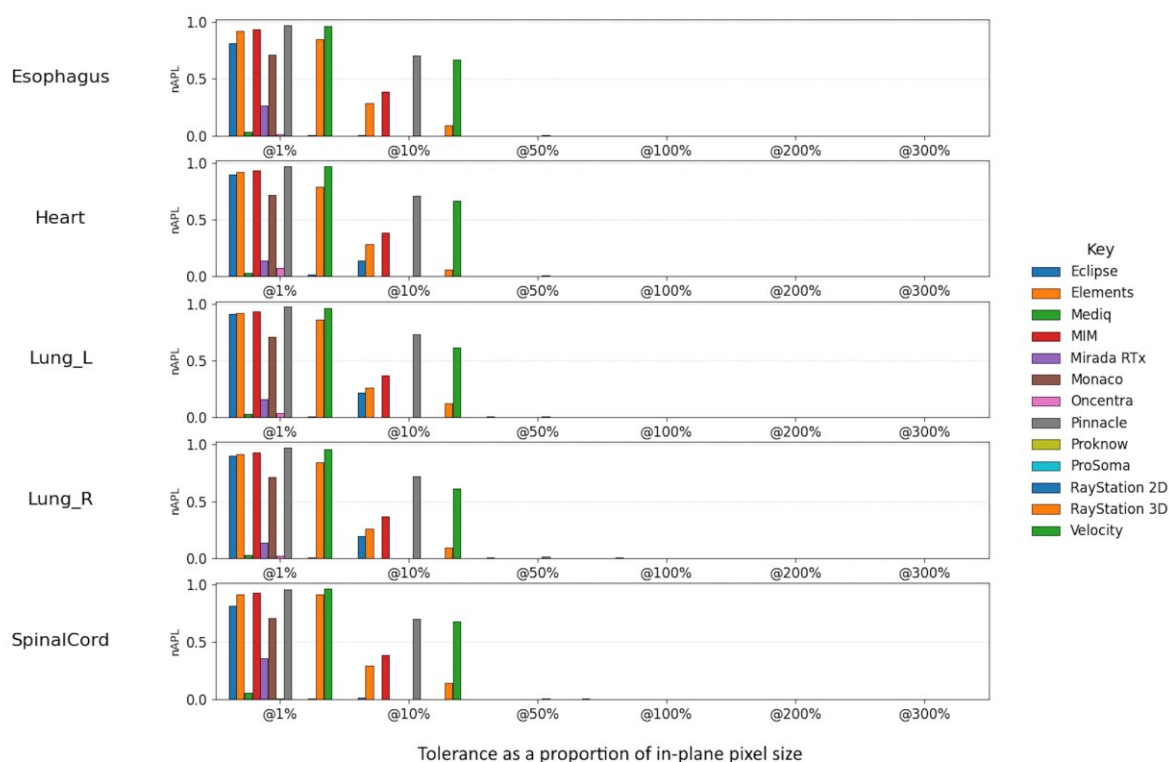


Figure 2: nAPL at various tolerances for the thoracic dataset between the re-exported contours and the original contour. The tolerance is expressed relative to the in-plane voxel spacing in percentage. A nAPL values of 1 indicates that re-exported contour is outside the tolerance everywhere, while a value of 0 indicates it is within the tolerance everywhere. Bars are grouped by tolerance level and ordered according to the key.

Table 1:Contouring software assessed and action taken to encourage the software to convert to its internal representation prior to export

Name used in results	Software Version and Manufacturer	Actions performed
Eclipse	Eclipse v18.0.567 Varian Medical Systems/Siemens, Palo Alto, USA	Painted inside each structure
Elements	Elements v4.5 Brainlab Medical Solutions, Munich, Germany	Imported to Elements via Eclipse (unaltered). Painted inside each structure within Elements
Mediq	Mediq v1.4.0 Synaptiq, Cluj, Romania	Painted inside each structure
MIM	MIM Maestro v7.4.200 MIM Software/GE Healthcare, Cleveland, USA	Painted inside each structure
MiradaRTx	Mirada RTx v1.8.8 Mirada Medical, Oxford, UK	Painted inside each structure
Monaco	Monaco v6.2.2 Elekta Solutions, Stockholm, Sweden	Painted inside each structure
Oncentra	Oncentra v4.5.3.15 Nucletron/Elekta Solutions, Stockholm, Sweden	Painted inside each structure
Pinnacle	Pinnacle v16 Koninklijke Philips NV, Eindhoven, Netherlands	Painted inside each structure on each slice
ProKnow	ProKnow DS v2.0.7.2 Elekta Solutions, Stockholm, Sweden	Painted inside each structure
ProSoma	ProSoma v42B410 MedCom, Darmstadt, Germany	Copied contours
Raystation2D	RayStation v2025a [17.0.1.113] Raysearch Laboratories, Stockholm, Sweden	Painted inside each structure using 2D brush
Raystation3D		Painted inside each structure using 3D brush
Velocity	Velocity v4.1.4 Varian Medical Systems/Siemens, Palo Alto, USA	Painted inside each structure