Contouring Steps for combined IMRT lung and WA RT

1). PLEASE FOLLOW INSTRUCTIONS FOR LUNG VOLUME CONTOURING FROM ADULT PATIENT EXAMPLE.

2). Contour the whole abdomen cavity from the domes of the diaphragm to the mid obturator foramen to obtain the WA CTV. This WA CTV should include the entire corresponding vertebrae. (This contour should not include the whole thickness of the chest/abdomen wall to exclude breast buds).

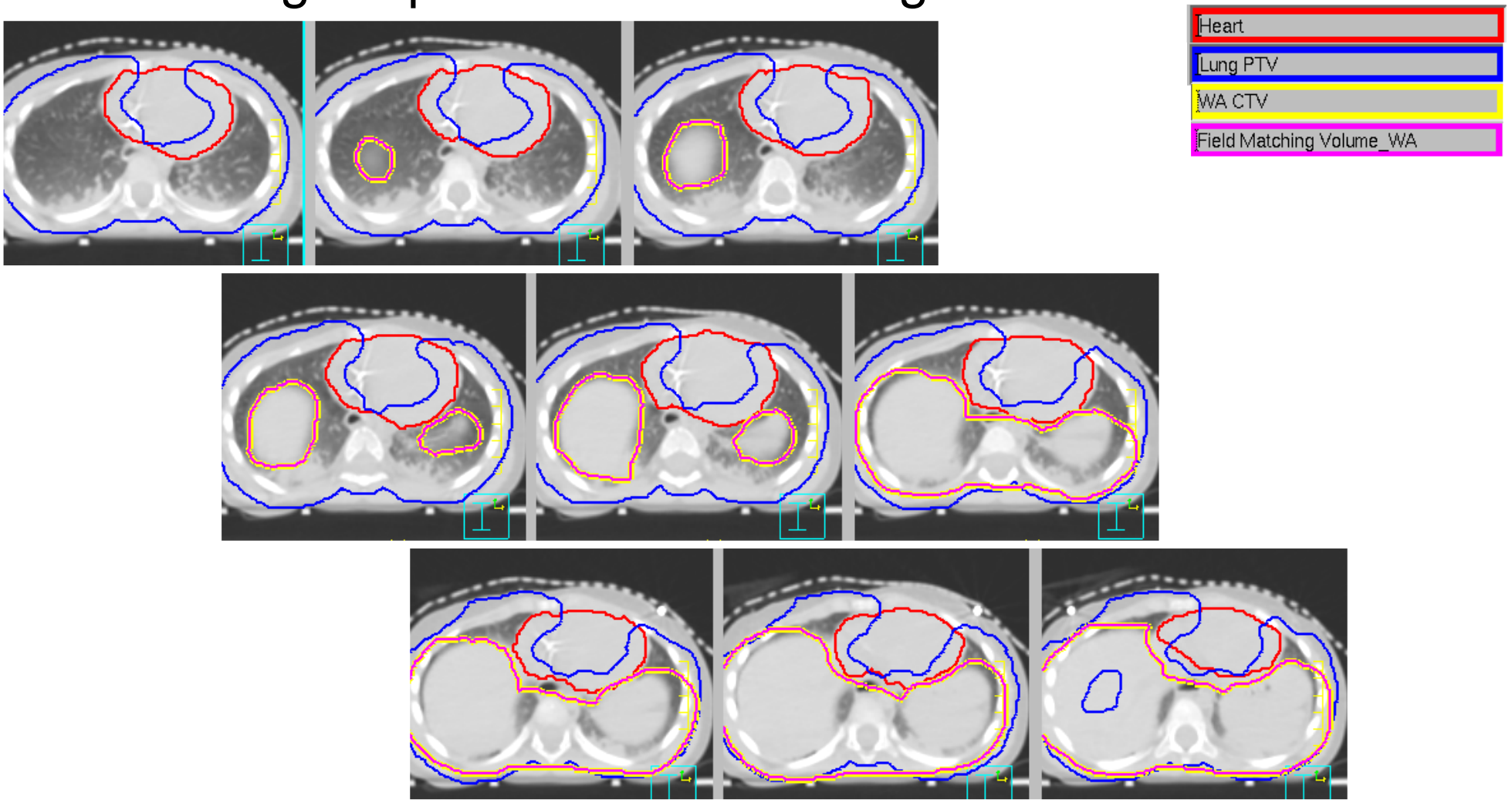
3). The FMV (WA) will include the superior portion of the WA CTV from the diaphragm superiorly down to about 1cm below the last cardiac contour.

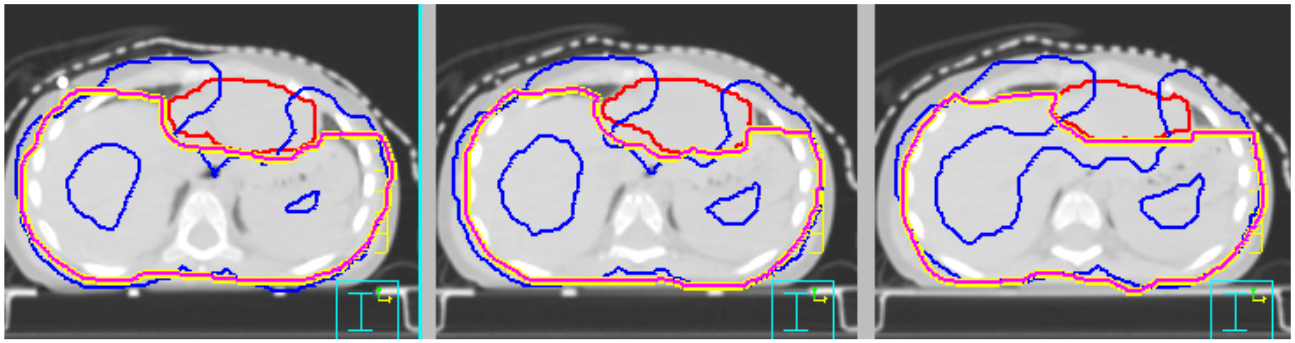
4). The FMV (WA) is added to the Lung_PTV to create the final planning PTV_Lung + WA.

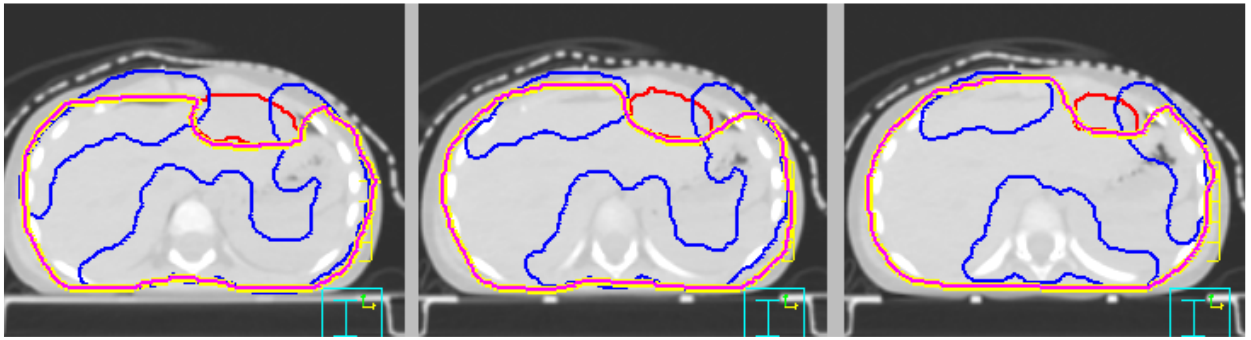
5). The AP-PA photon for WA can be placed at the bottom of this PTV Lung + WA with a half-beam block to provide a good dosimetric match (10.5Gy in 7fr).

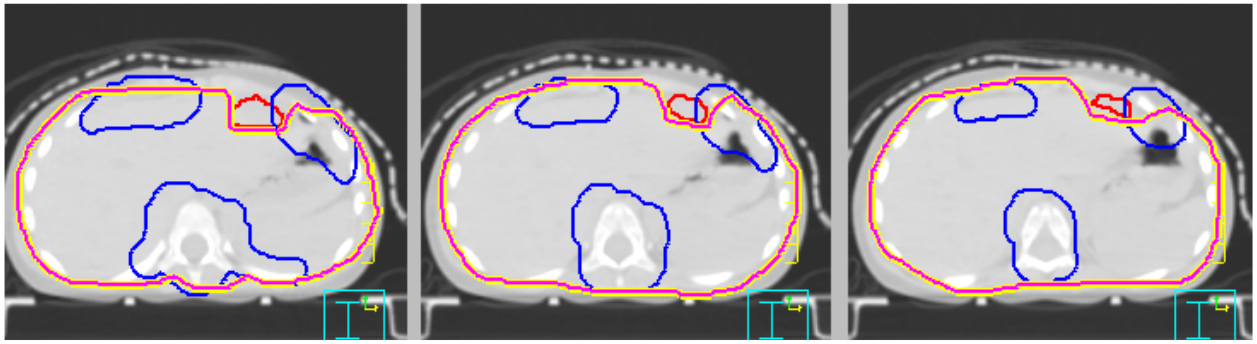
6). The final 1.5Gy fraction will only be delivered to the PTV_Lung for a total of 12Gy in 8 fractions.

Contouring Steps for combined Lung and WA IMRT







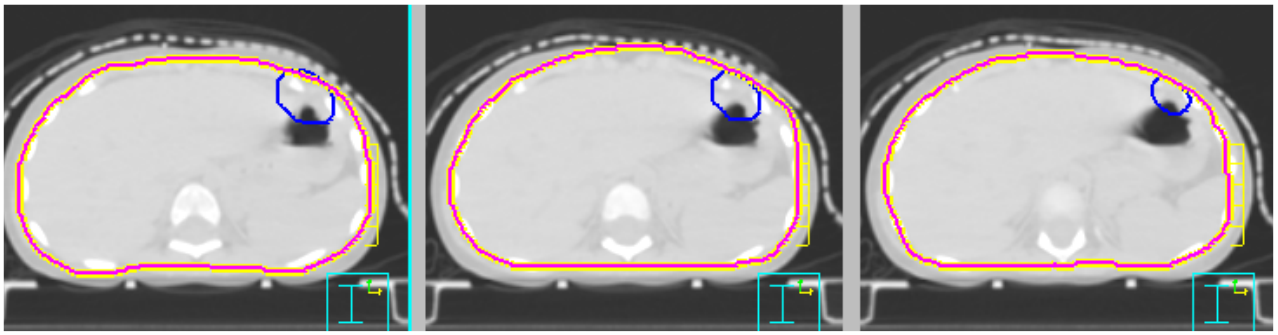


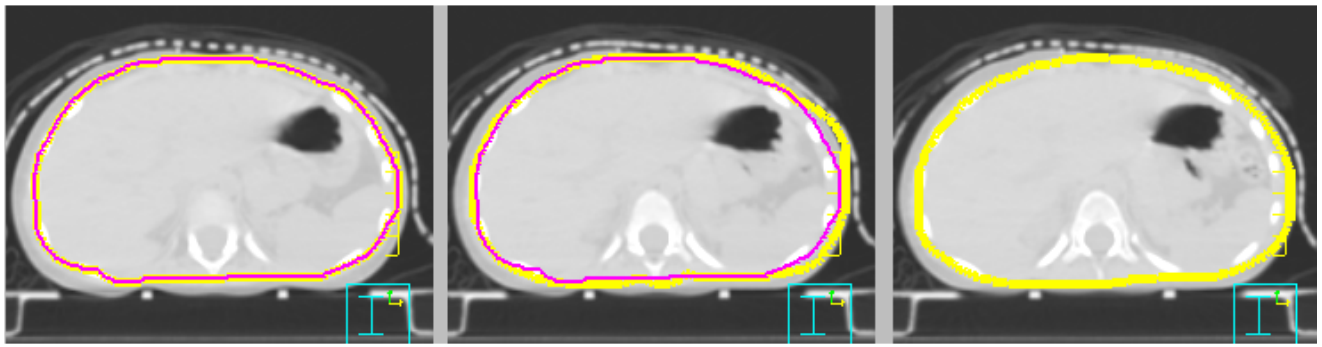
Heart

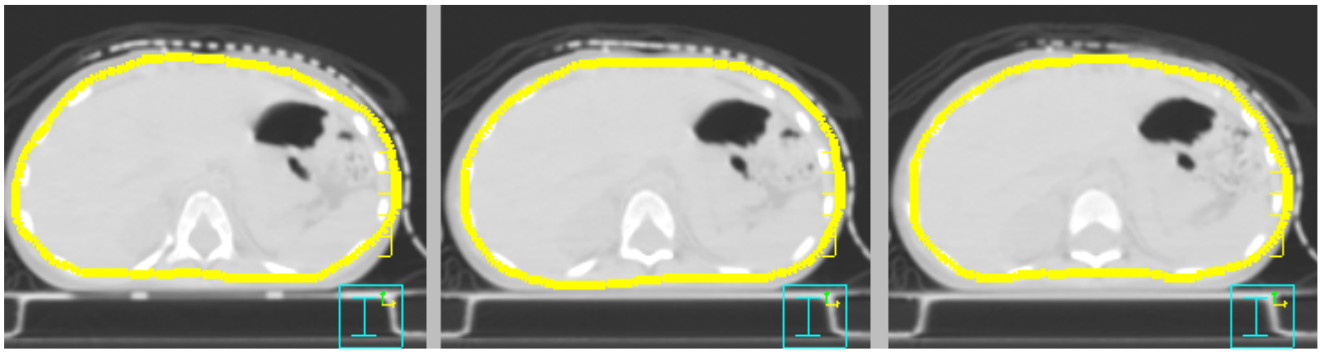
Lung PTV

WA CTV

Field Matching Volume_WA





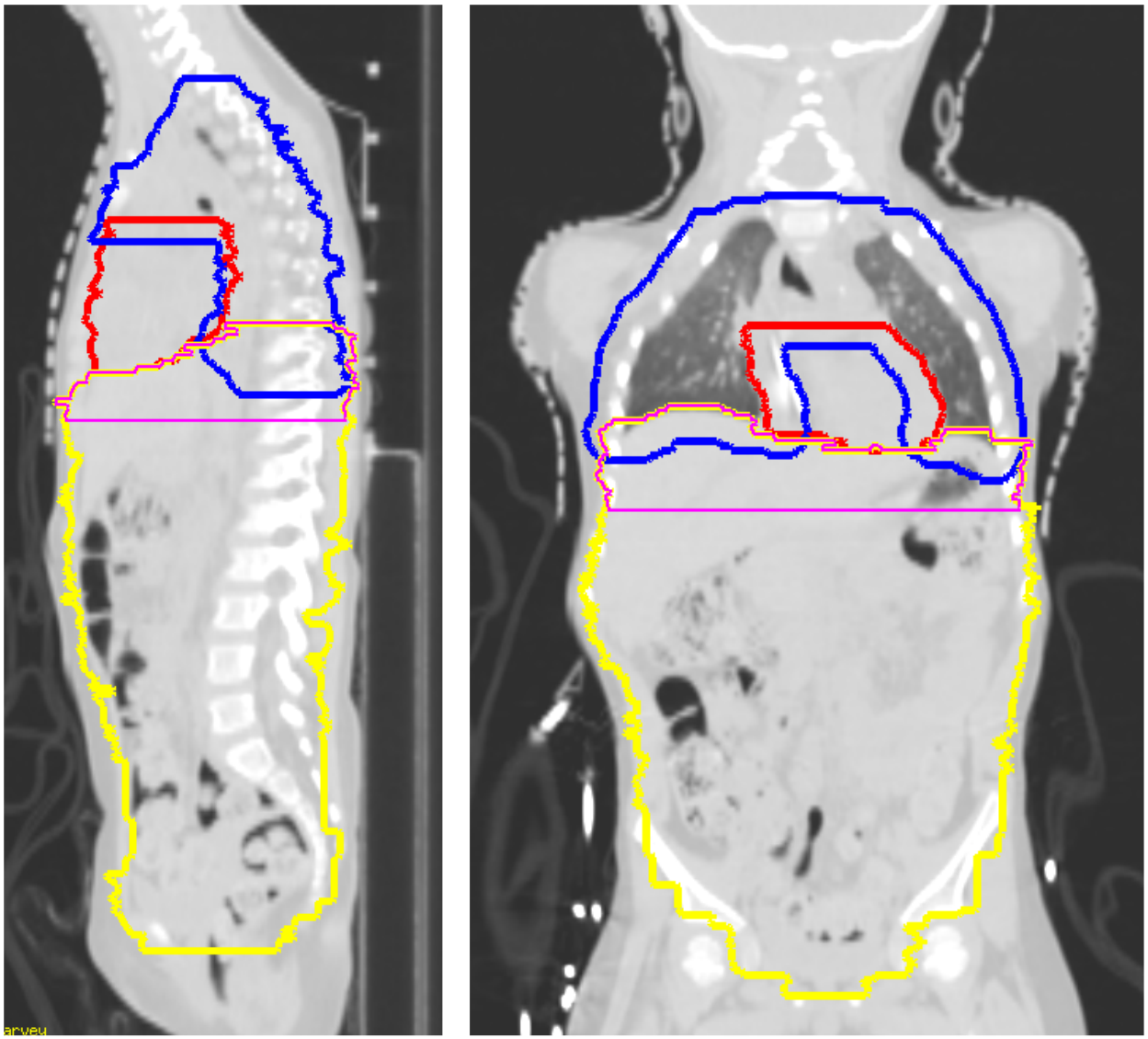


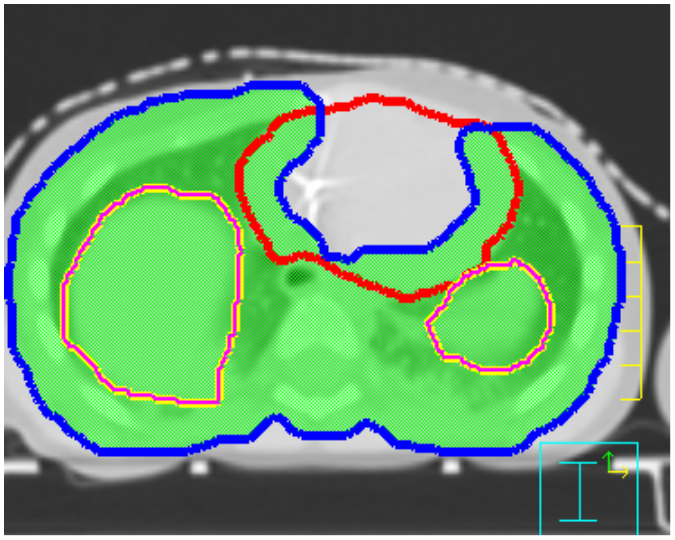
Heart

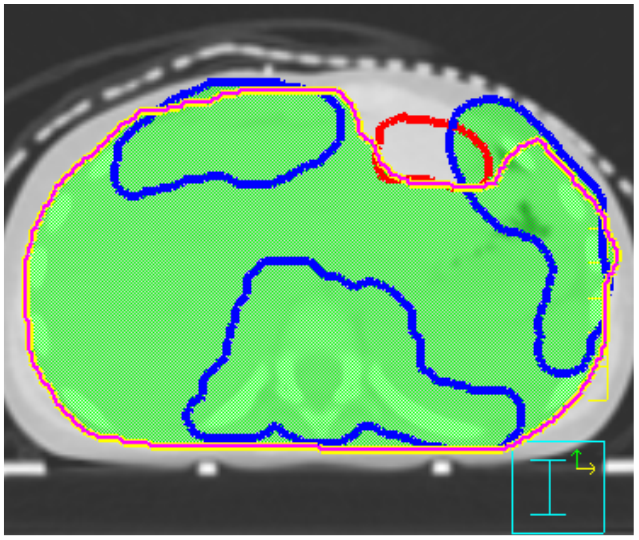
Lung PTV

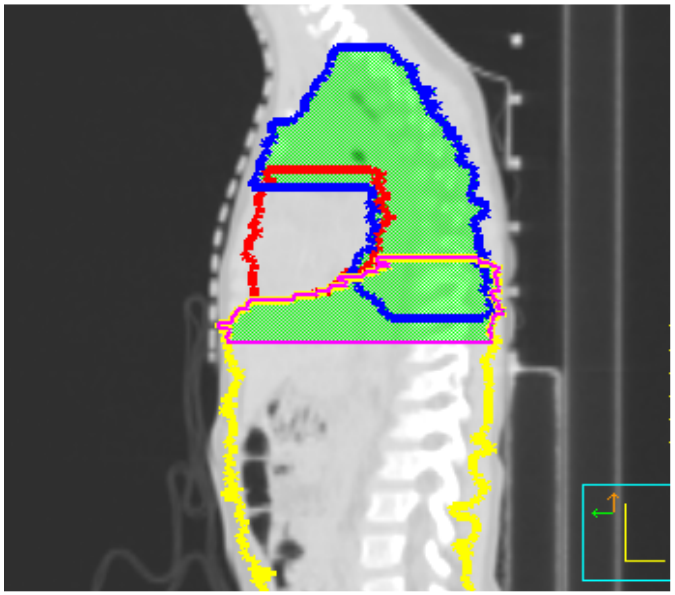
WA CTV

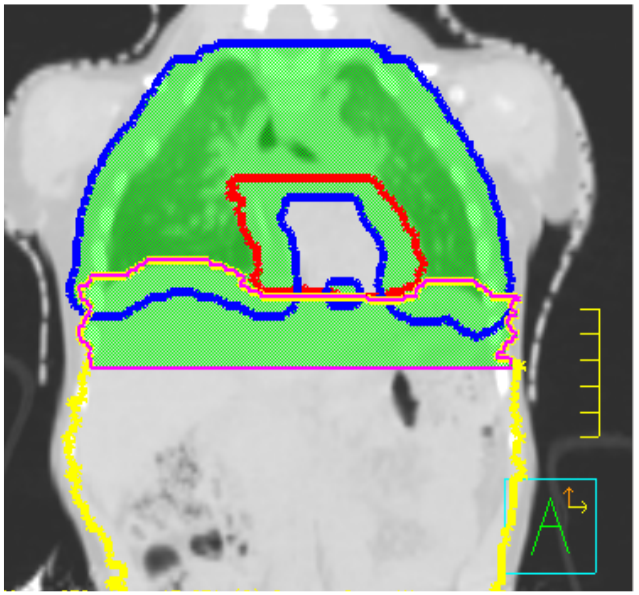
Field Matching Volume_WA


Heart
Lung PTV
WA CTV
Field Matching Volume_WA









Heart

Lung PTV

WA CTV

Field Matching Volume_WA

Final Lung+ WA PTV

Breast bud Rt

Breast bud Lt