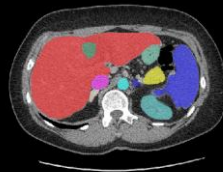


Case #FLARETs_0038 (slice #172)

90.09

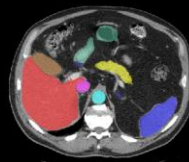
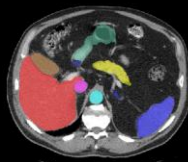
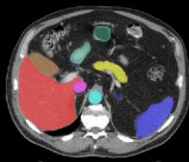
90.12



Case #FLARETs_0053 (slice #72)

89.65

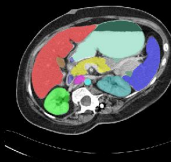
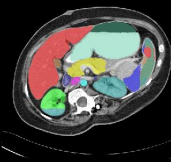
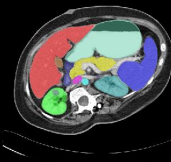
89.83



Case #FLARETs_0093 (slice #58)

70.48

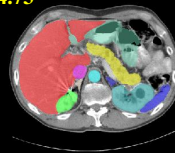
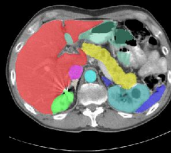
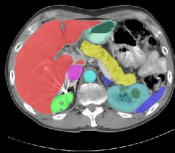
76.94



Case #FLARETs_0033 (slice #74)

83.13

74.73

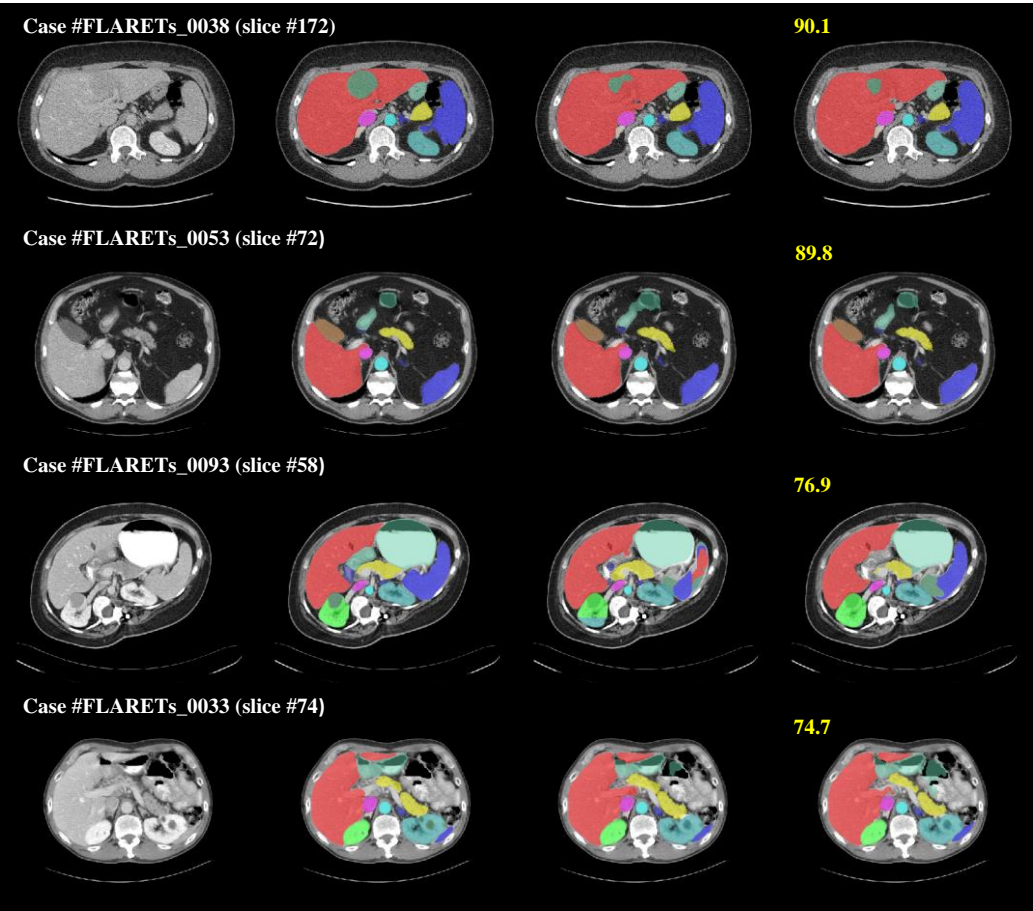


Intensity image

Ground truth

PWS-Seg(\mathcal{P})

PWS-Seg($\mathcal{P} + \mathcal{U}$)

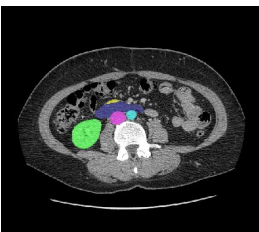
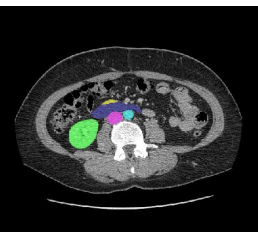
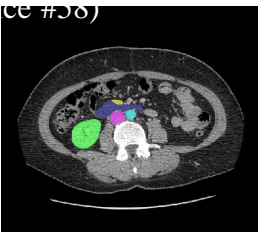
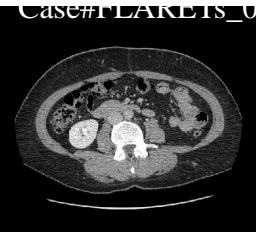
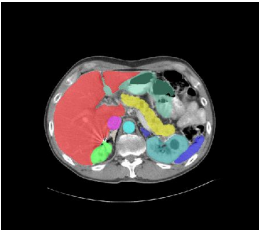
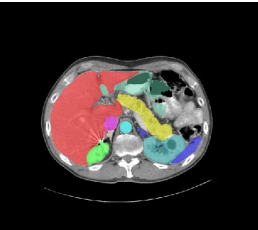
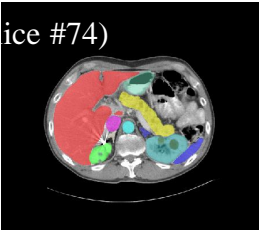
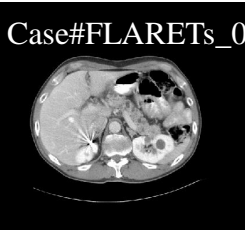


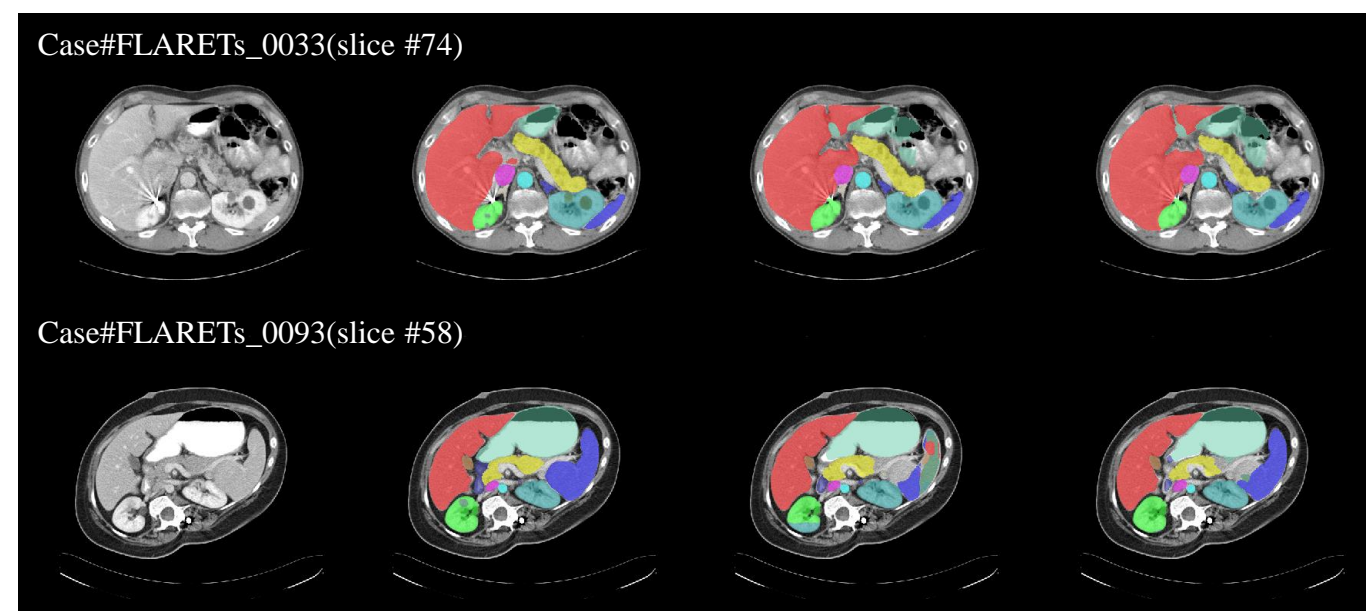
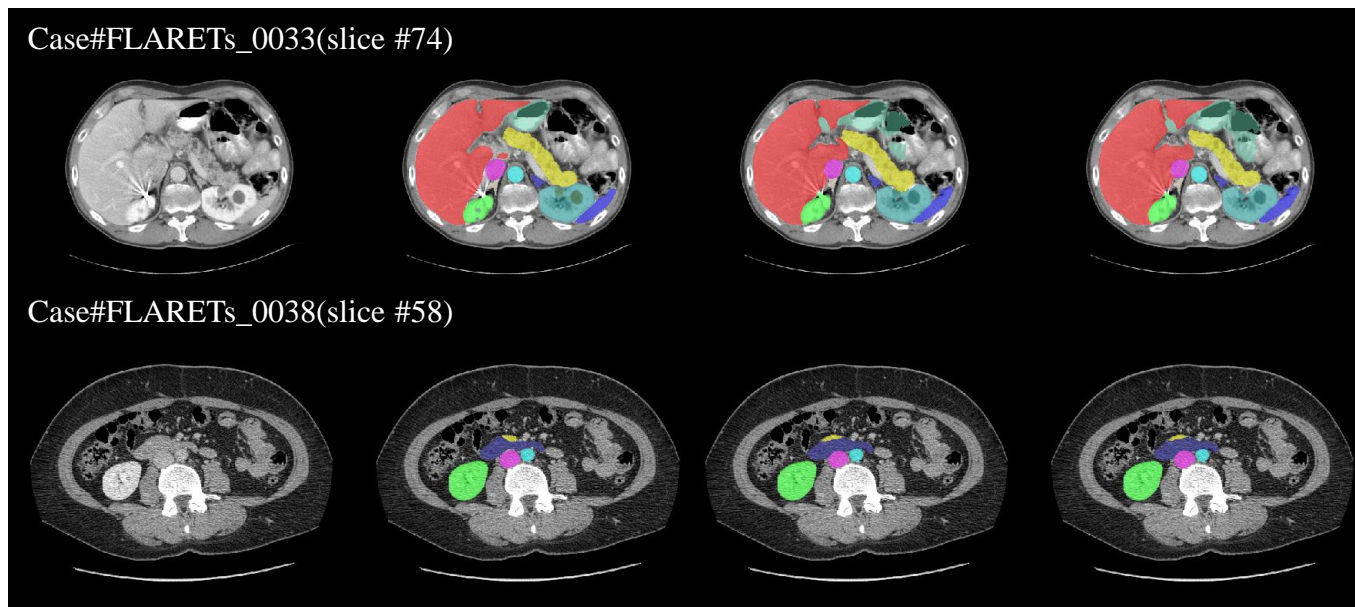
Intensity
image

Ground truth

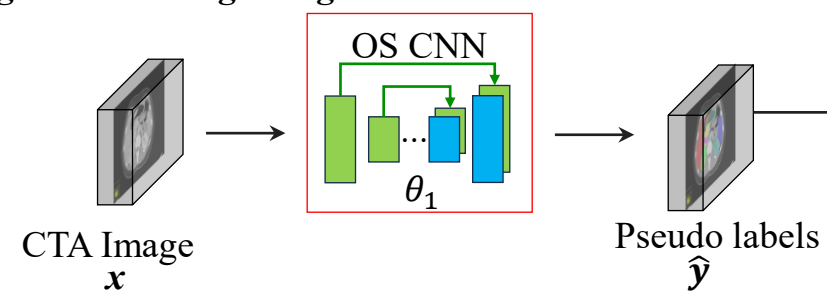
PLS-Seg(\mathcal{L})

PLS-Seg ($\mathcal{L} +$
 \mathcal{U})

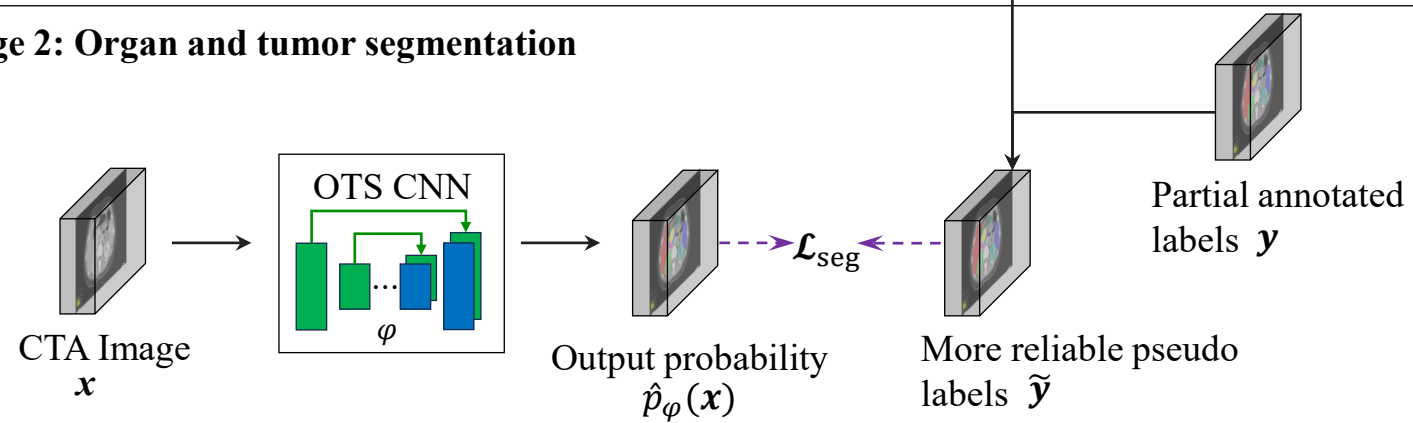




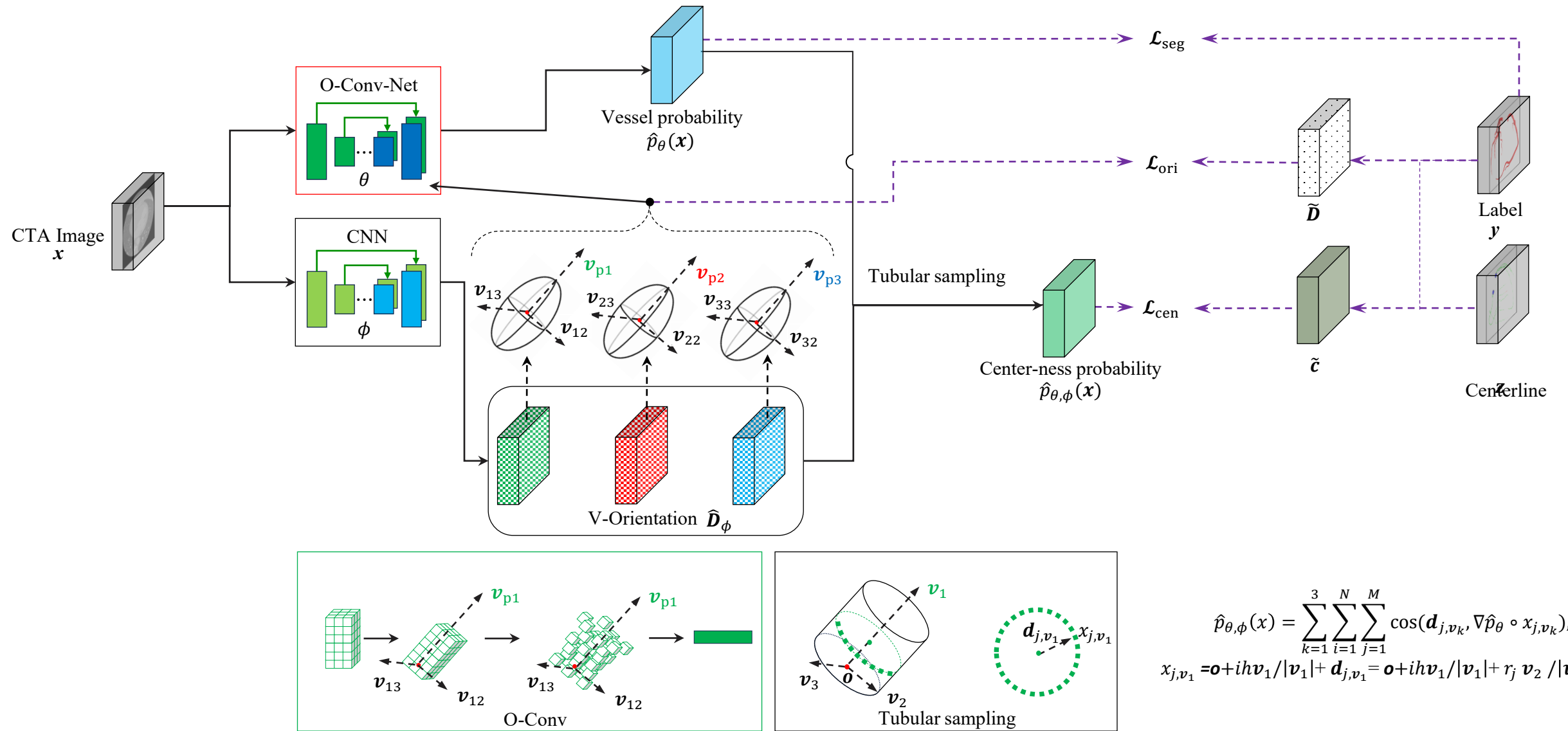
Stage 1: Multi-organ segmentation



Stage 2: Organ and tumor segmentation



Our proposed method



$$\hat{p}_{\theta,\phi}(x) = \sum_{k=1}^3 \sum_{i=1}^N \sum_{j=1}^M \cos(\mathbf{d}_{j,v_k}, \nabla \hat{p}_\theta \circ x_{j,v_k}),$$

$$x_{j,v_1} = \mathbf{o} + i h \mathbf{v}_1 / |\mathbf{v}_1| + \mathbf{d}_{j,v_1} = \mathbf{o} + i h \mathbf{v}_1 / |\mathbf{v}_1| + r_j \mathbf{v}_2 / |\mathbf{v}_2|.$$