

Ground Truth

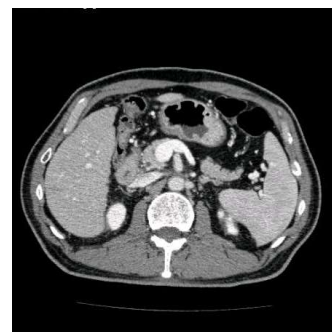
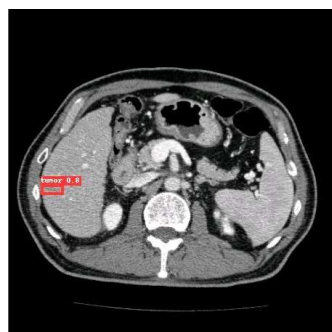
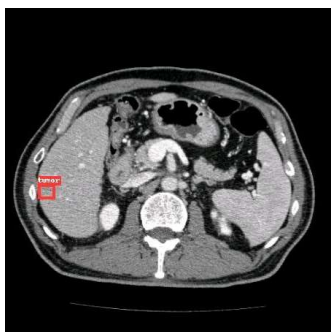
PCA-YOLO (ours)

RT-DETR

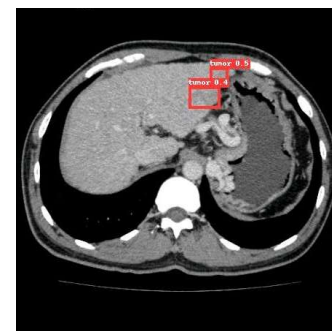
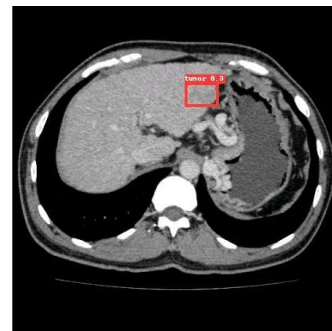
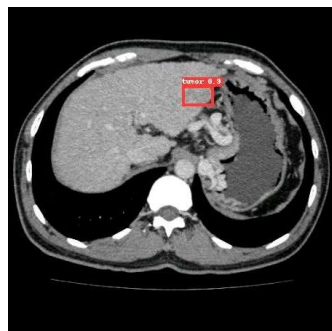
SPN-TS

RCS-YOLO

(a).

 $d = 0.8$ cm

(b).

 $d = 2.2$ cm

(c).

 $d = 5.0$ cm