

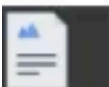






Korea Institute of  
Science and Technology

PREVIOUS WORKS - RIGHT FEARS ARE



Port Volume

None RCT 0.70%

RCT 91.22%

KKUH\*Shoulder

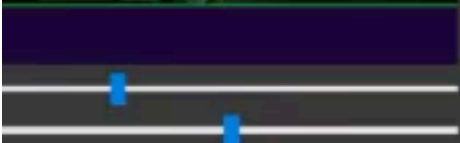
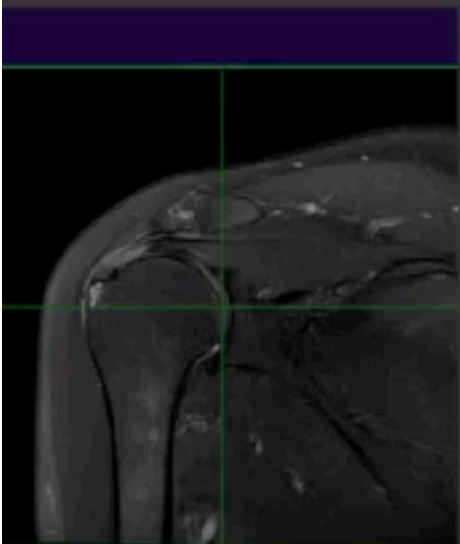
localizer\_3p

ax\_t2\_tse\_f3

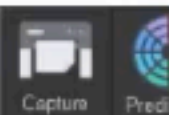
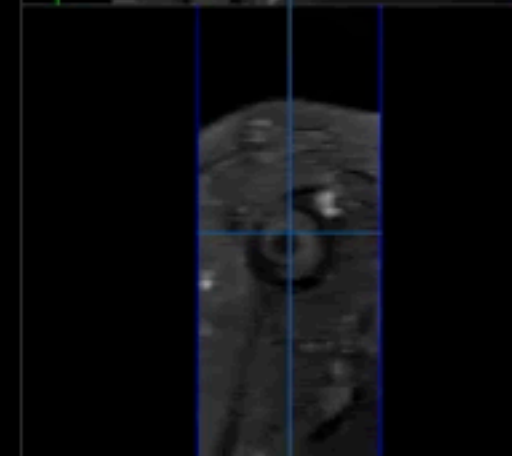
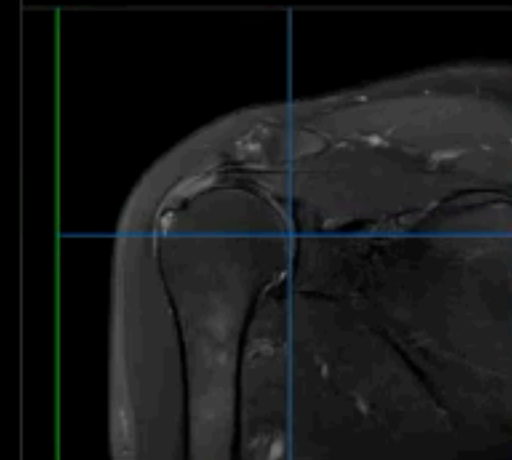
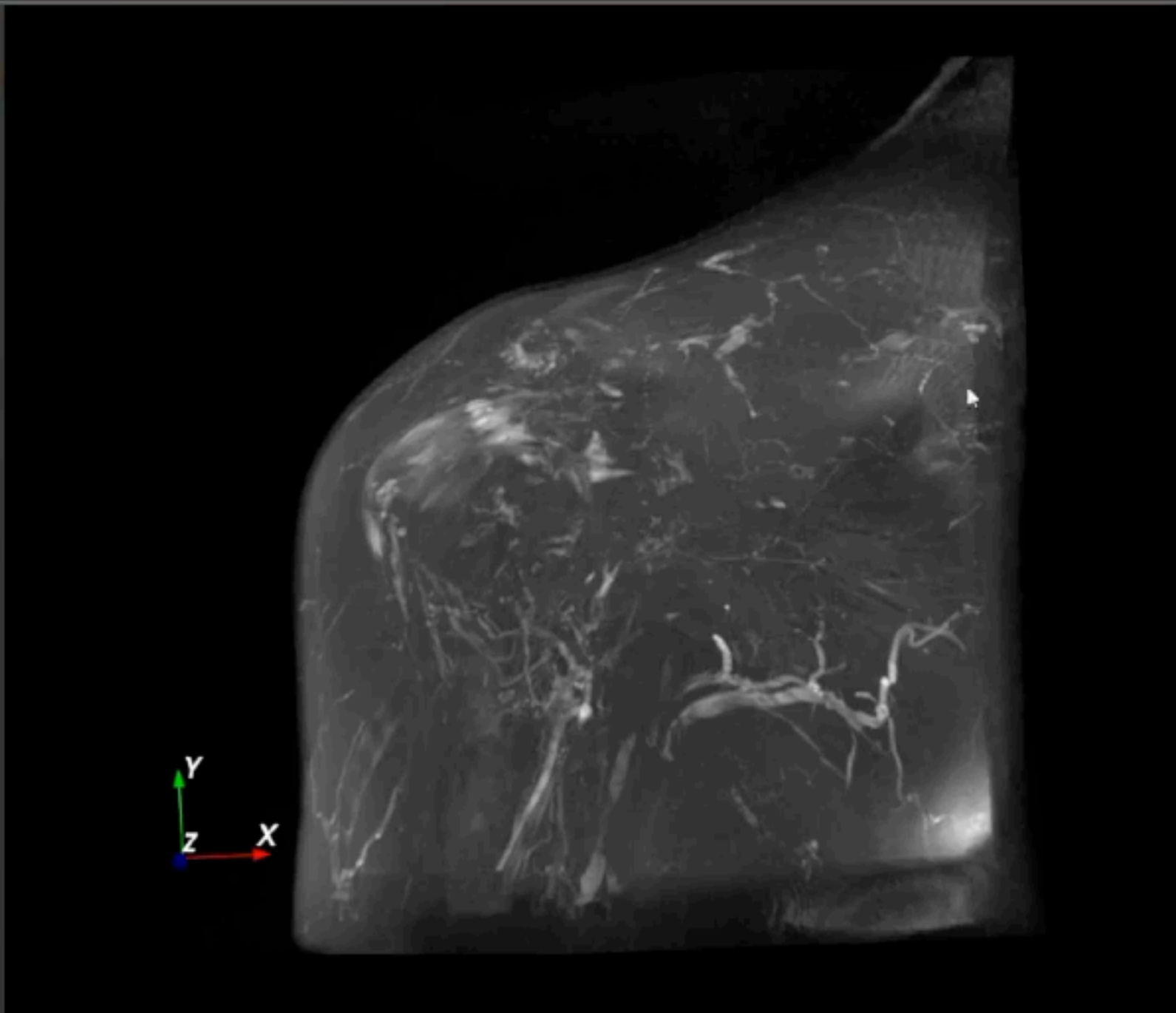
cor\_t2\_tse\_m

cor\_t1\_tse

sag\_t2\_tse



ice Orientation : COR



Capture

Predict

white

Volume OTF

Volume Tree

List View

Cropping View

Volume View

Slice View

CAM

View Control

Normal View

Grid View

RCT

None

Small

Medium

Large

Massive

partial-50

partial-80

Orientation

AXL

COR

SAG

Protocol

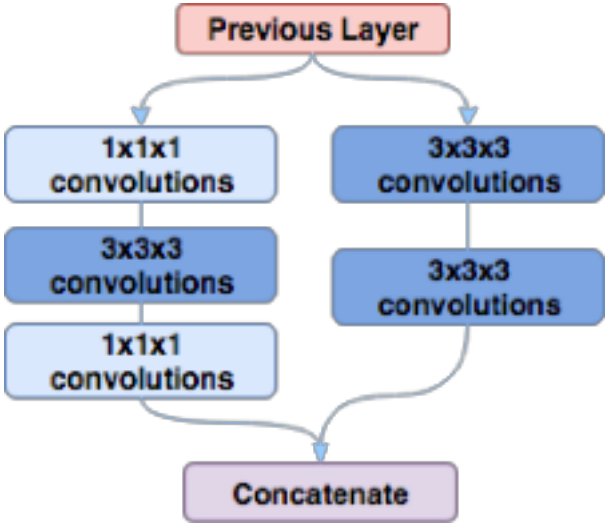
T1

T2

Series : unknown

Save Processed

**Previous Layer**



```
graph TD; A[Previous Layer] --> B[1x1x1 convolutions]; A --> C[3x3x3 convolutions]; B --> D[3x3x3 convolutions]; D --> E[1x1x1 convolutions]; C --> F[3x3x3 convolutions]; E --> G[Concatenate]; F --> G;
```

The diagram illustrates a residual block structure. It begins with a 'Previous Layer' box at the top. Two arrows branch out from this box to two parallel paths. The left path consists of three stacked boxes: '1x1x1 convolutions', '3x3x3 convolutions', and '1x1x1 convolutions'. The right path consists of two stacked boxes: '3x3x3 convolutions' and '3x3x3 convolutions'. Arrows from the bottom of the left path and the bottom of the right path converge into a single arrow pointing to a 'Concatenate' box at the bottom.

**1x1x1  
convolutions**

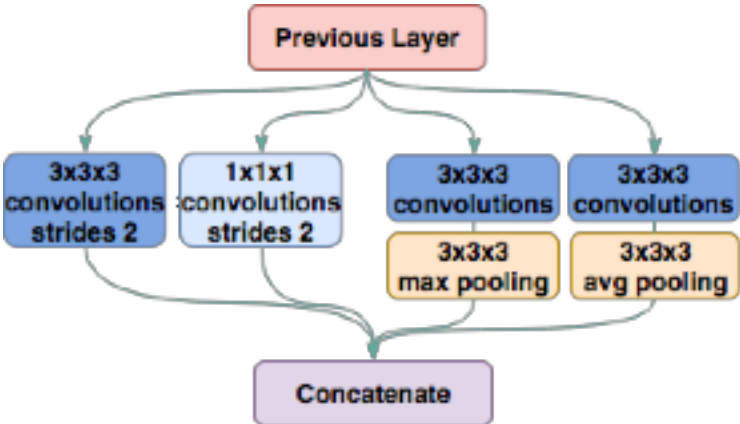
**3x3x3  
convolutions**

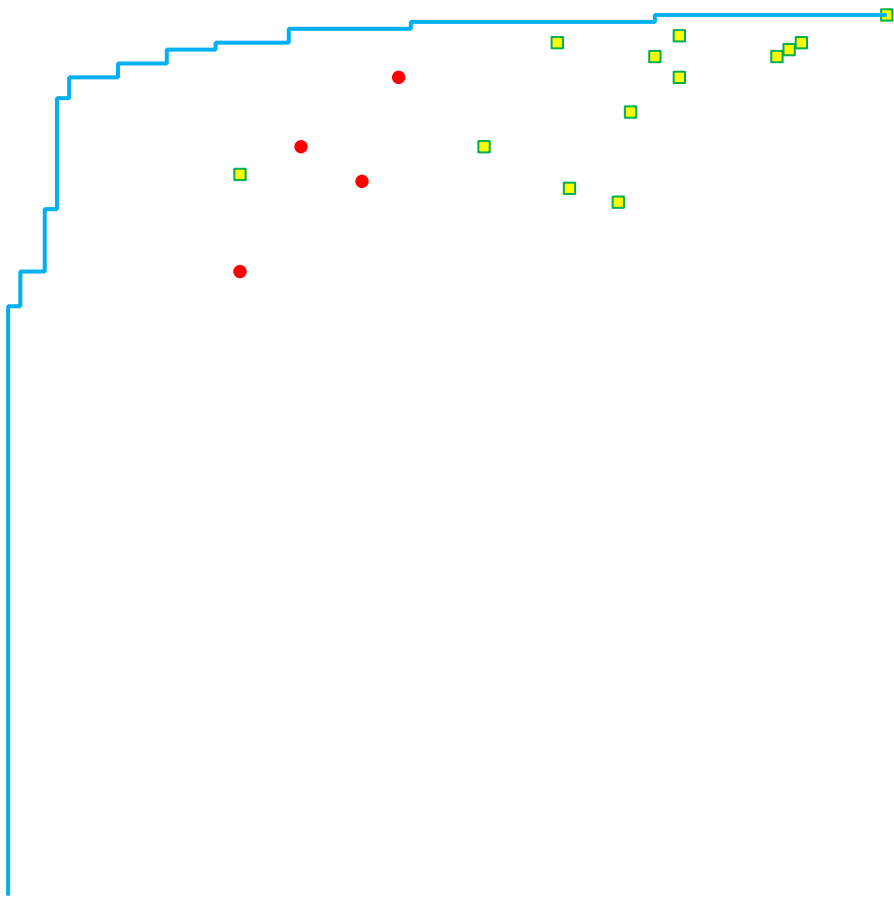
**1x1x1  
convolutions**

**3x3x3  
convolutions**

**3x3x3  
convolutions**

**Concatenate**



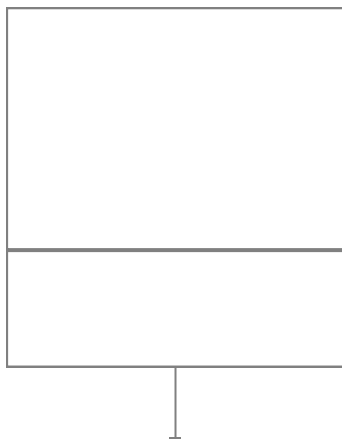


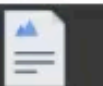
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■







port Volume

None RCT 8.78%

RCT 91.22%

KKUH^Shoulder

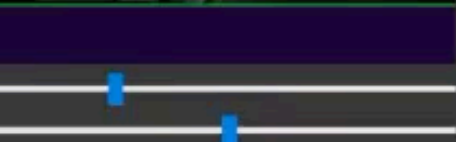
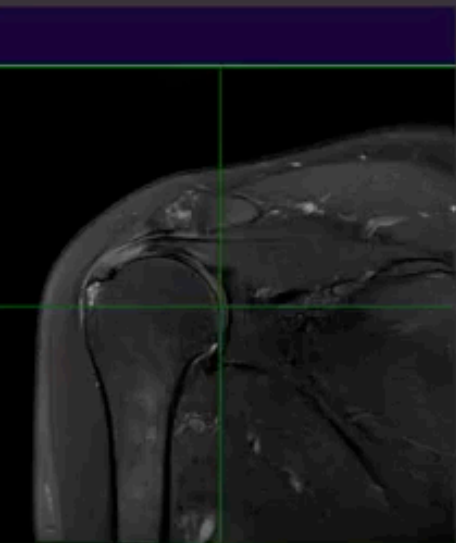
localizer\_3p

ax\_t2\_tse\_fs

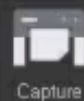
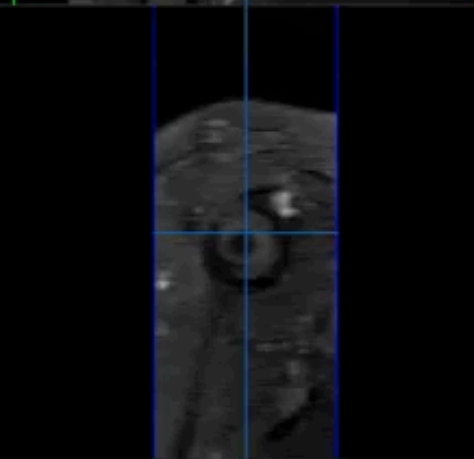
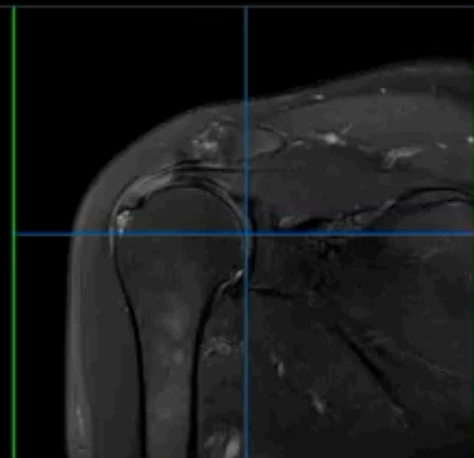
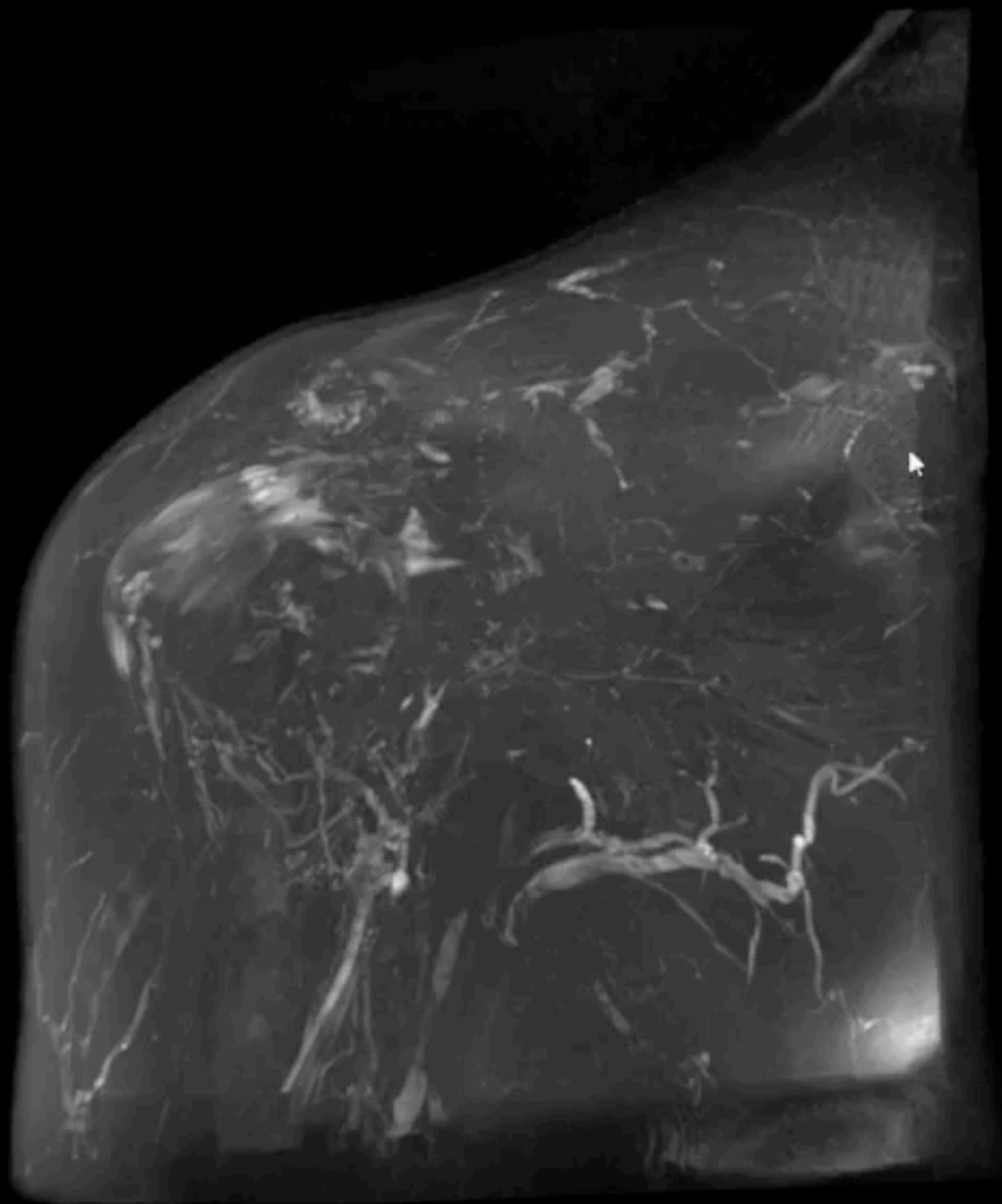
cor\_t2\_tse\_fs

cor\_t1\_tse

sag\_t2\_tse



ice Orientation : COR



Capture



Predict

white  
Volume OTF

- ☒ Volume Tree
- ☒ List View
- ☒ Cropping View
- ☒ Volume View
- ☒ Slice View
- ☒ CAM

View Control

- ☐ Normal View
- ☐ Grid View

RCT

- ☐ None
- ☐ Small
- ☐ Medium
- ☐ Large
- ☐ Massive
- ☐ partial-50
- ☐ partial+50

Orientation

- ☐ AXL
- ☐ COR
- ☐ SAG

Protocol

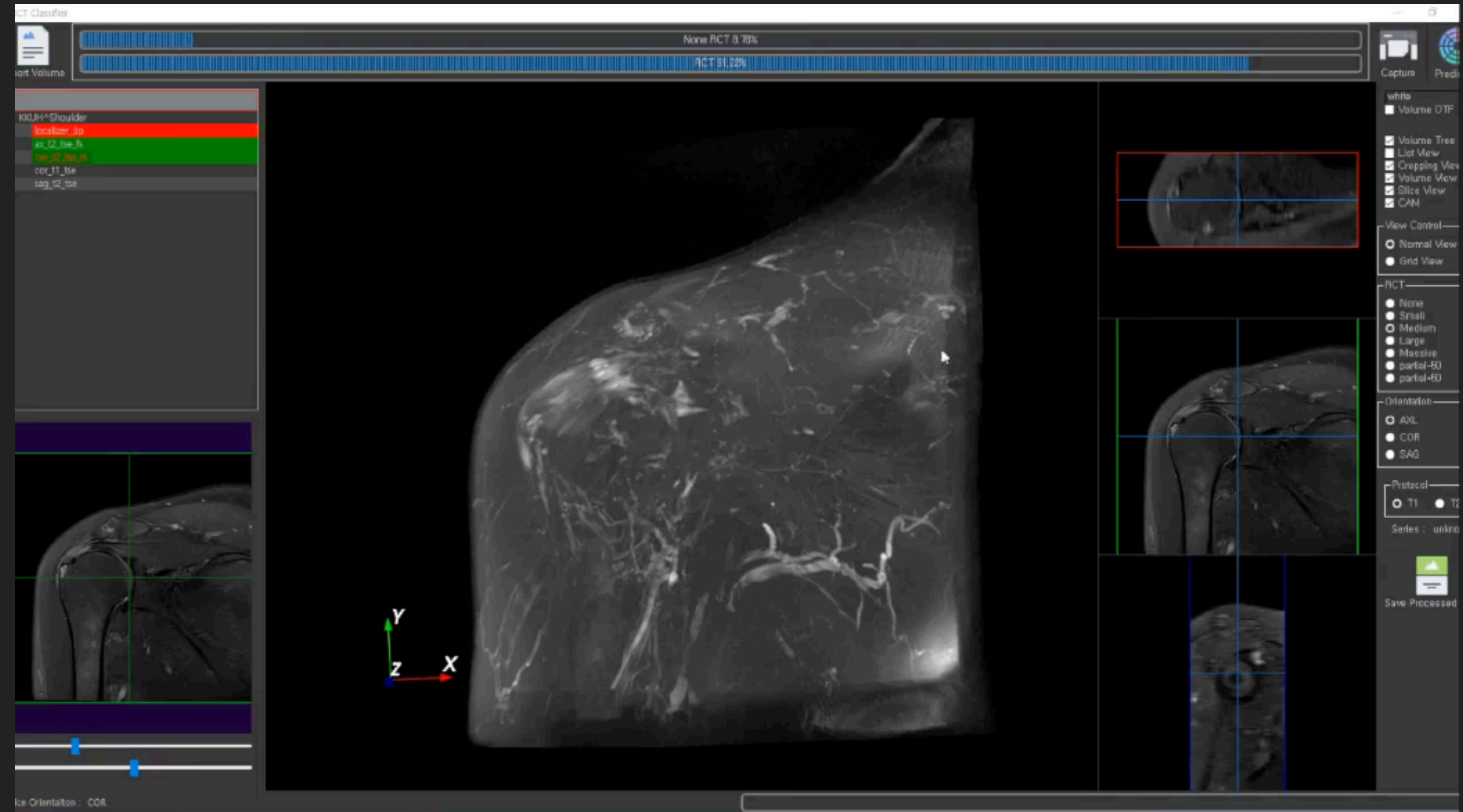
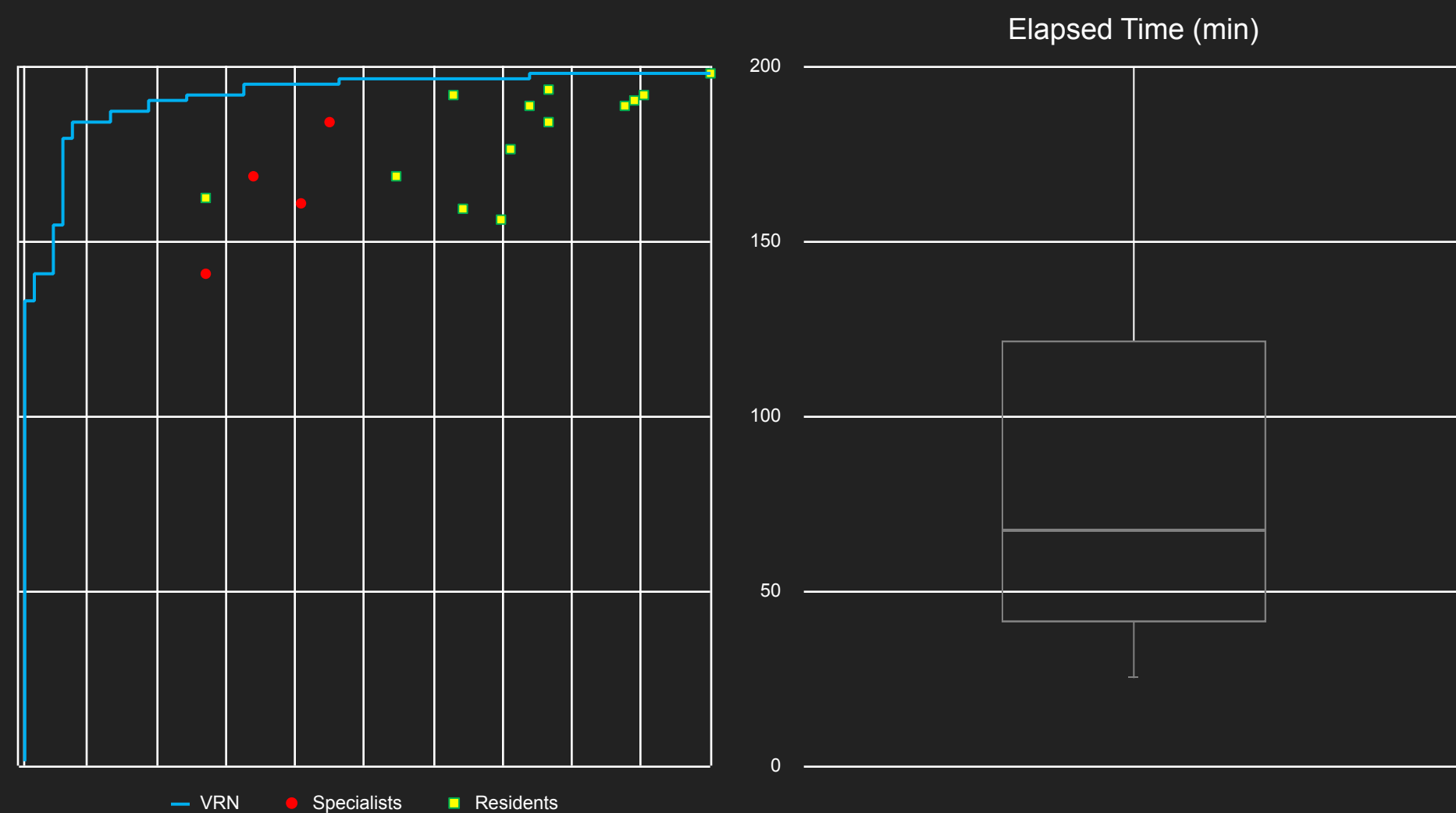
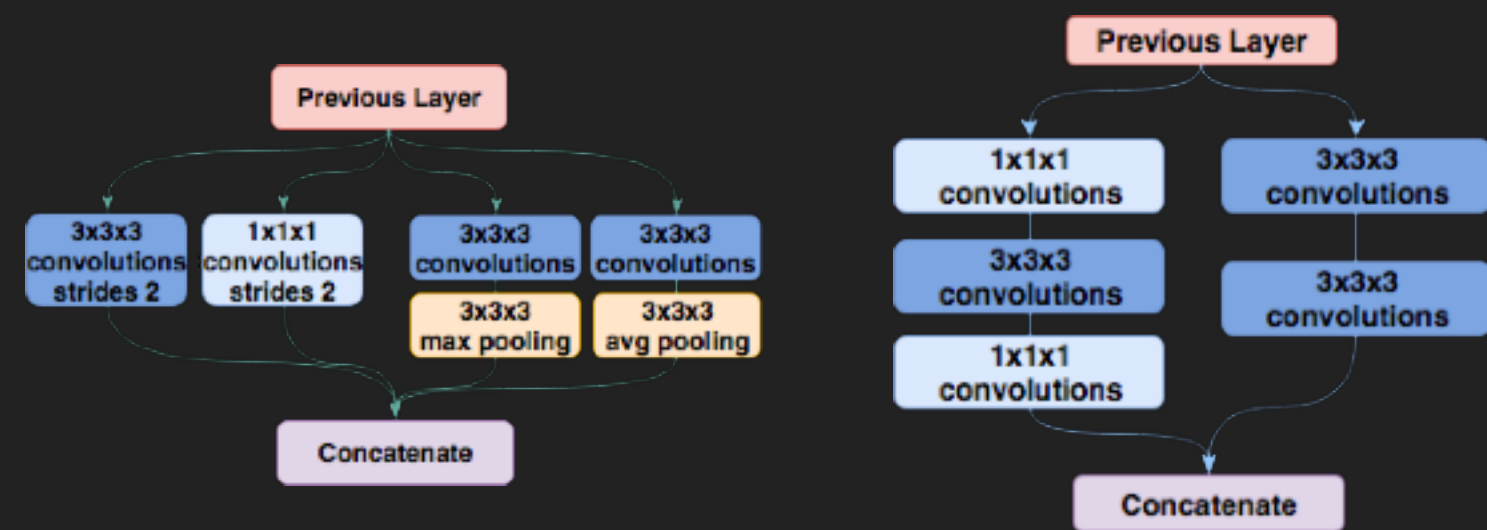
- ☐ T1
- ☐ T2

Series : unknown



Save Processed

# PREVIOUS WORKS - ROTATOR CUFF TEAR DIAGNOSIS



# PREVIOUS WORKS - 3D POSE ESTIMATION APPLICATION

- ▶ Imported trained network
- ▶ Caffe C++

