

**1. Click Browse**

Contour Alignment Tool 1.3.7

File Display Help

Data Processing

Clinical Data

- Patient
- Patient Plans
  - CT files  CT folder not selected
  - Plan file  Plan file not selected
  - Structure set file  Structure set file not selected
- Patient Images
  - Fraction
  - Intrafraction Images  Intrafraction Images folder not selected
  - Contour Export  (optional)

Imaging Parameters

Number of images to load	35	<input type="button" value=""/>	<input type="checkbox"/> All
Pixel spacing	0.388	mm	
Source to Isocenter distance (SID)	1000	mm	
Source to detector distance (SDD)	1500	mm	
Detector offset x-coordinate	0	mm	

Proceed

Select the clinical trial folder

2. Go to the Directory

Organize

Name	Date modified	Type	Size
ABC	11/06/2025 10:45 AM	File folder	
Dose Reconstruction	11/06/2025 10:45 AM	File folder	
DVH	11/06/2025 10:45 AM	File folder	
ECG	11/06/2025 10:45 AM	File folder	
Patient Files	11/06/2025 10:45 AM	File folder	
Patient Images	11/06/2025 10:56 AM	File folder	
Patient Measured Motions	11/06/2025 10:57 AM	File folder	
Patient Plans	24/06/2025 4:36 PM	File folder	
RPM	11/06/2025 10:59 AM	File folder	
Trajectory Logs	11/06/2025 10:59 AM	File folder	
Triangulations	11/06/2025 10:59 AM	File folder	

OneDrive

This PC

3D Objects

Desktop

Documents

Downloads

Music

Pictures

PRJ-LEARN

PRJ-VISION

Videos

OS (C):

DATA (D):

DATA (E):

PRJ-SMART (\shared.sydney.edu.au\research-data)

Network

Folder: liver

Select Folder Cancel

3. Select "Liver" Folder

File Display Help

## Data Processing



## Clinical Data

Browse



## Select patient

## Select patient

PAT01



PAT02

PAT03

PAT04

PAT05

PAT06

PAT07

PAT08

PAT09

PAT10

## Patient selection



## Intrafraction Images

Browse

Intrafraction images folder not selected



## Contour Export

(optional)

Browse



Proceed

## Imaging Parameters

Number of images to load 35   All

Pixel spacing 0.388 mm

Source to isocenter distance (SID) 1000 mm

Source to detector distance (SDD) 1500 mm

Detector offset x-coordinate 0 mm

5\*. Manually load if the folder structure is inconsistent to the requirement

## Navigation

1

- 0: Unlabelled
- 1: Not at all confident
- 2: Not very confident
- 3: Neither
- 4: Fairly confident
- 5: Very confident

## Contour Alignment



- 0: Unlabelled
  - 1: Not at all confident
  - 2: Not very confident
  - 3: Neither
  - 4: Fairly confident
  - 5: Very confident
- Click & drag ON (0, 0)

## Contrast Adjustment



## Data Processing



## Clinical Data

[Browse](#)

PAT01

## Patient Plans



## CT files

[Browse](#)  
176 CT files discovered

## Plan file

[Browse](#)

Plan loaded (1.3.46.670589.13.594649.20230926094507.774516.dcm)



## Structure set file

[Browse](#)

Structure set loaded (1.3.46.670589.13.594649.20230926094506.948160.dcm)

Select structure ▾

Select structure

GTV

PTV35

Esophagus

External

Heart

Kidney\_L

Kidney\_R

lipiodol

## Imaging Parameters

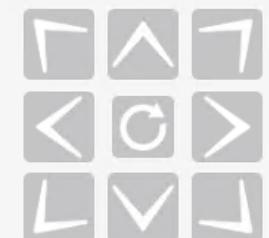
Number of images to load 35   All Pixel spacing 0.388 mm Source to isocenter distance (SID) 1000 mm Source to detector distance (SDD) 1500 mm Detector offset x-coordinate 0 mm

## Navigation

[K](#) [L](#) 1 [R](#) [G](#)

- 0: Unlabelled
- 1: Not at all confident
- 2: Not very confident
- 3: Neither
- 4: Fairly confident
- 5: Very confident

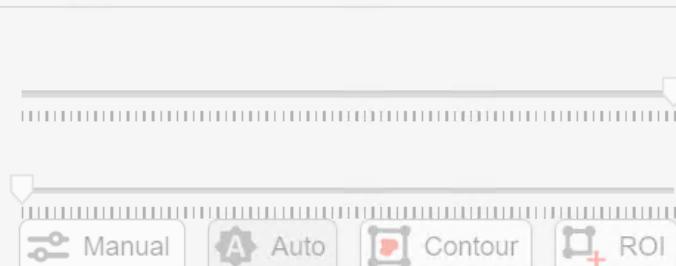
## Contour Alignment



Confidence in alignment					
<input checked="" type="radio"/>	0: Unlabelled				
<input type="radio"/>	1: Not at all confident				
<input type="radio"/>	2: Not very confident				
<input type="radio"/>	3: Neither				
<input type="radio"/>	4: Fairly confident				
<input type="radio"/>	5: Very confident				

 Click & drag ON  
(0, 0)

## Contrast Adjustment



6. Choose lipiodol (ignore typos) for ROCK-RT

[Proceed](#)

## Data Processing



## Clinical Data

[Browse](#)

PAT01



## Patient Plans



CT files

[Browse](#)

176 CT files discovered



Plan file

[Browse](#)

Plan loaded (1.3.46.670589.13.594649.20230926094507.774516.dcm)

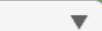


Structure set file

[Browse](#)

Structure set loaded (1.3.46.670589.13.594649.20230926094506.948160.dcm)

lipiodol



## Patient Images



Select fraction



7. Select Fractions



Select fraction



Fx01



Images

Browse

Fractions folder not selected

## Imaging Parameters

Number of images to load

35

 All Pixel spacing

0.388

mm

 Source to isocenter distance (SID)

1000

mm

 Source to detector distance (SDD)

1500

mm

 Detector offset x-coordinate

0

mm

## Navigation



1



- 0: Unlabelled
- 1: Not at all confident
- 2: Not very confident
- 3: Neither
- 4: Fairly confident
- 5: Very confident

## Contour Alignment

 Click & drag ON

(0, 0)

- Confidence in alignment
- 0: Unlabelled
  - 1: Not at all confident
  - 2: Not very confident
  - 3: Neither
  - 4: Fairly confident
  - 5: Very confident

## Contrast Adjustment

[Proceed](#)

**Contour Alignment Tool 1.3.7**

File Display Help

Data Processing

Clinical Data

PAT01

Patient Plans

- CT files (Browse) 176 CT files discovered
- Plan file (Browse) Plan loaded (1.3.46.670589.13.594649.20230926094507.774516.dcm)
- Structure set file (Browse) Structure set loaded (1.3.46.670589.13.594649.20230926094506.948160.dcm)  
Iopodiol

Patient Images

Fx01

Intrafraction Images (Browse) No Infraction Images detected

Contour Export (optional) Browse

Proceed

8. Browse in-fraction Images

Select the folder containing the intrafraction CBCT images (.tiff, .xim, .hnc, .hnd, .dcm, or .his)

Organize New folder

Name Date modified Type Size

Name	Date modified	Type	Size
2023-10 output	11/06/2025 10:45 AM	File folder	
Contours	18/07/2025 1:53 PM	File folder	
Reconstruction	11/06/2025 10:45 AM	File folder	

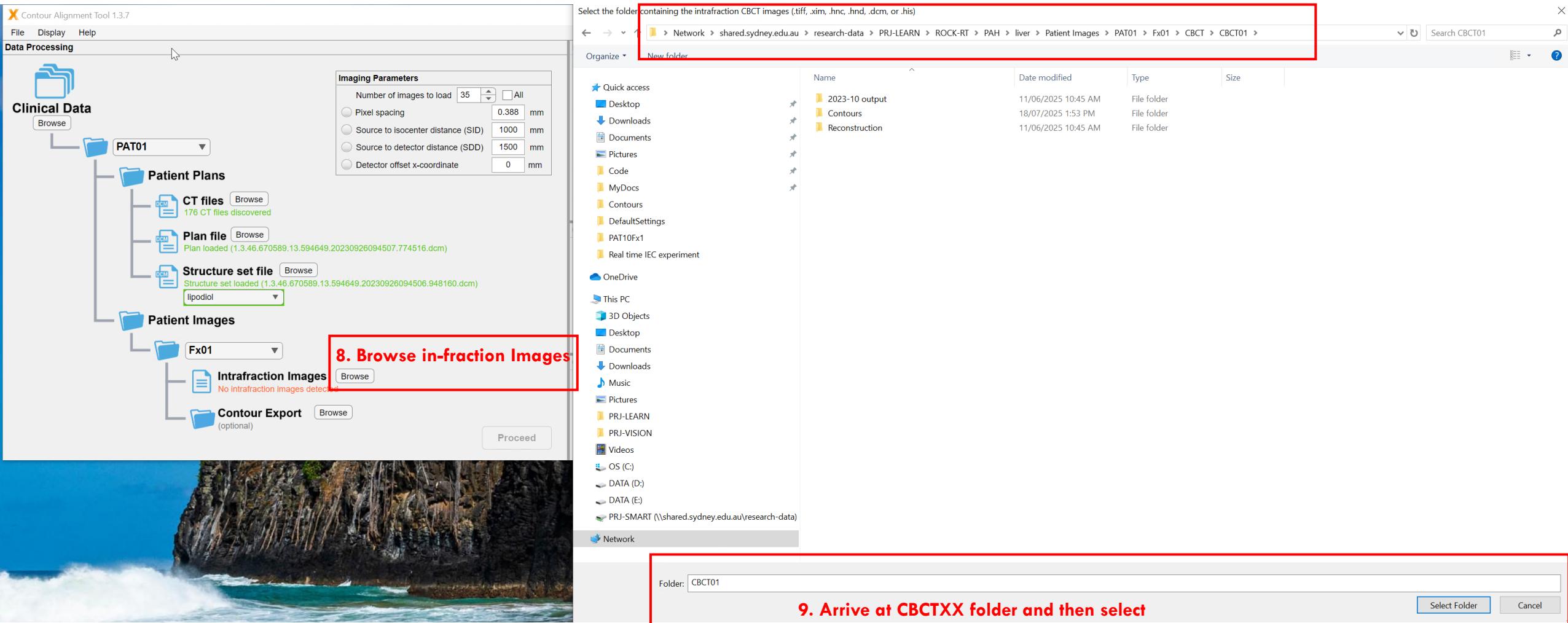
Quick access Desktop Downloads Documents Pictures Code MyDocs Contours DefaultSettings PAT10Fx1 Real time IEC experiment OneDrive This PC 3D Objects Desktop Documents Downloads Music Pictures PRJ-LEARN PRJ-VISION Videos OS (C:) DATA (D:) DATA (E:) PRJ-SMART (\shared.sydney.edu.au\research-data)

Network

Folder: CBCT01

Select Folder Cancel

9. Arrive at CBCTXX folder and then select



File Display Help

## Data Processing



## Clinical Data

Browse



PAT01

## Patient Plans

CT files Browse

176 CT files discovered

Plan file Browse

Plan loaded (1.3.46.670589.13.594649.20230926094507.774516.dcm)

Structure set file Browse

Structure set loaded (1.3.46.670589.13.594649.20230926094506.948160.dcm)

lipiodol

## Patient Images

Fx01 ▼Intrafraction Images Browse

207 files discovered (his)

Contour Export (optional) Browse

## Imaging Parameters

Number of images to load 35 All

<span>Pixel spacing</span>	0.8	mm
<span>Source to isocenter distance (SID)</span>	1000	mm
<span>Source to detector distance (SDD)</span>	1500	mm
<span>Detector offset x-coordinate</span>	0	mm

Warning: unable to determine the SID, SDD, and x-offset.  
Confirm these values before proceeding.

\*Leave the geometry untouched.

## Navigation



- 0: Unlabelled
- 1: Not at all confident
- 2: Not very confident
- 3: Neither
- 4: Fairly confident
- 5: Very confident

## Contour Alignment



Click & drag **ON**  
**(0, 0)**

Confidence in alignment
<input checked="" type="radio"/> 0: Unlabelled
<input type="radio"/> 1: Not at all confident
<input type="radio"/> 2: Not very confident
<input type="radio"/> 3: Neither
<input type="radio"/> 4: Fairly confident
<input type="radio"/> 5: Very confident

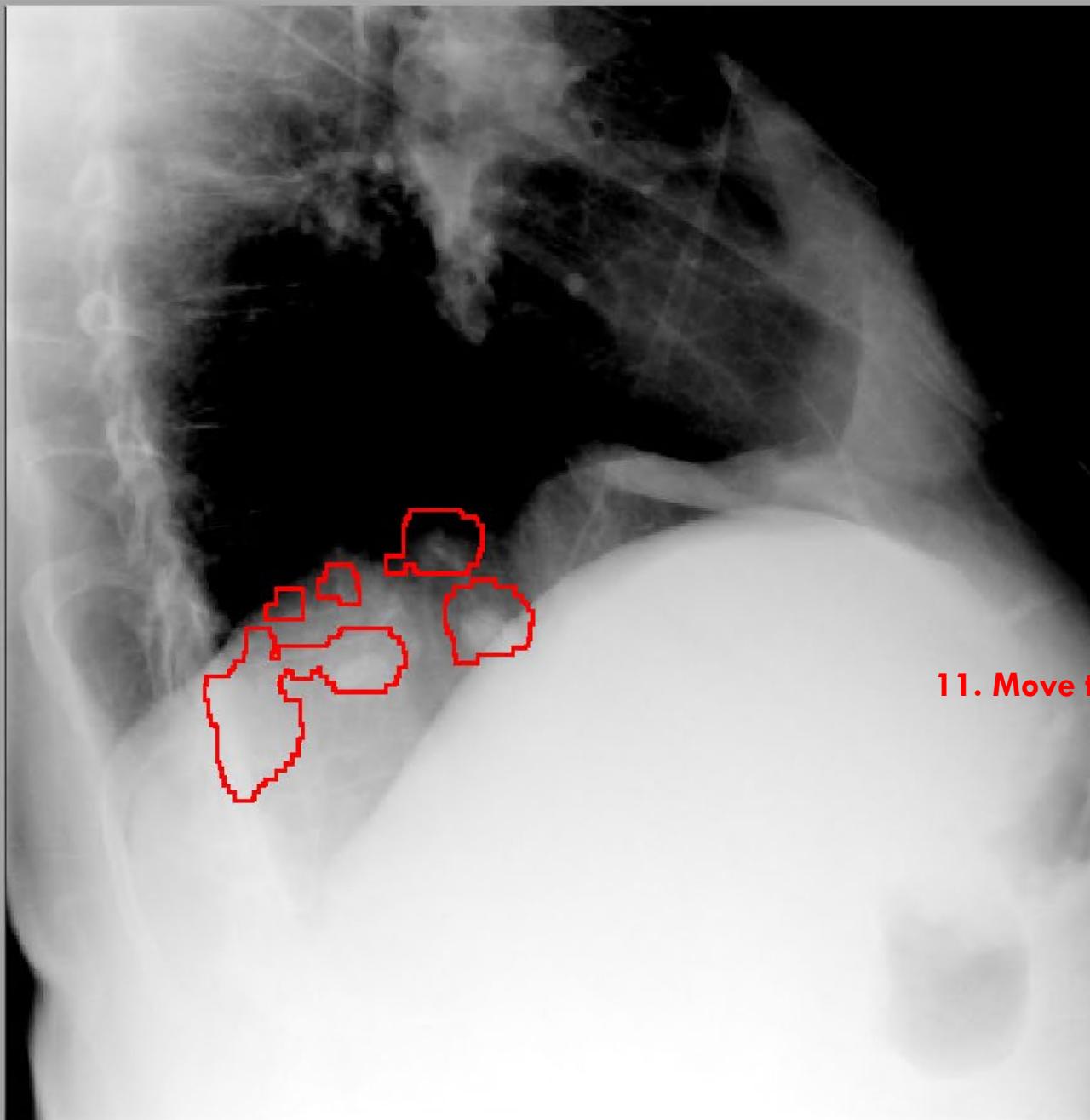
## Contrast Adjustment



Proceed

10. Proceed (~1 min)





## Navigation



- ▼ 0: Unlabelled (35 images)
- Image 1 (290.02°)
  - Image 2 (288.67°)
  - Image 3 (282.54°)
  - Image 4 (275.94°)
  - Image 5 (269.29°)
  - Image 6 (262.56°)
  - Image 7 (255.96°)
  - Image 8 (249.33°)

## Contour Alignment



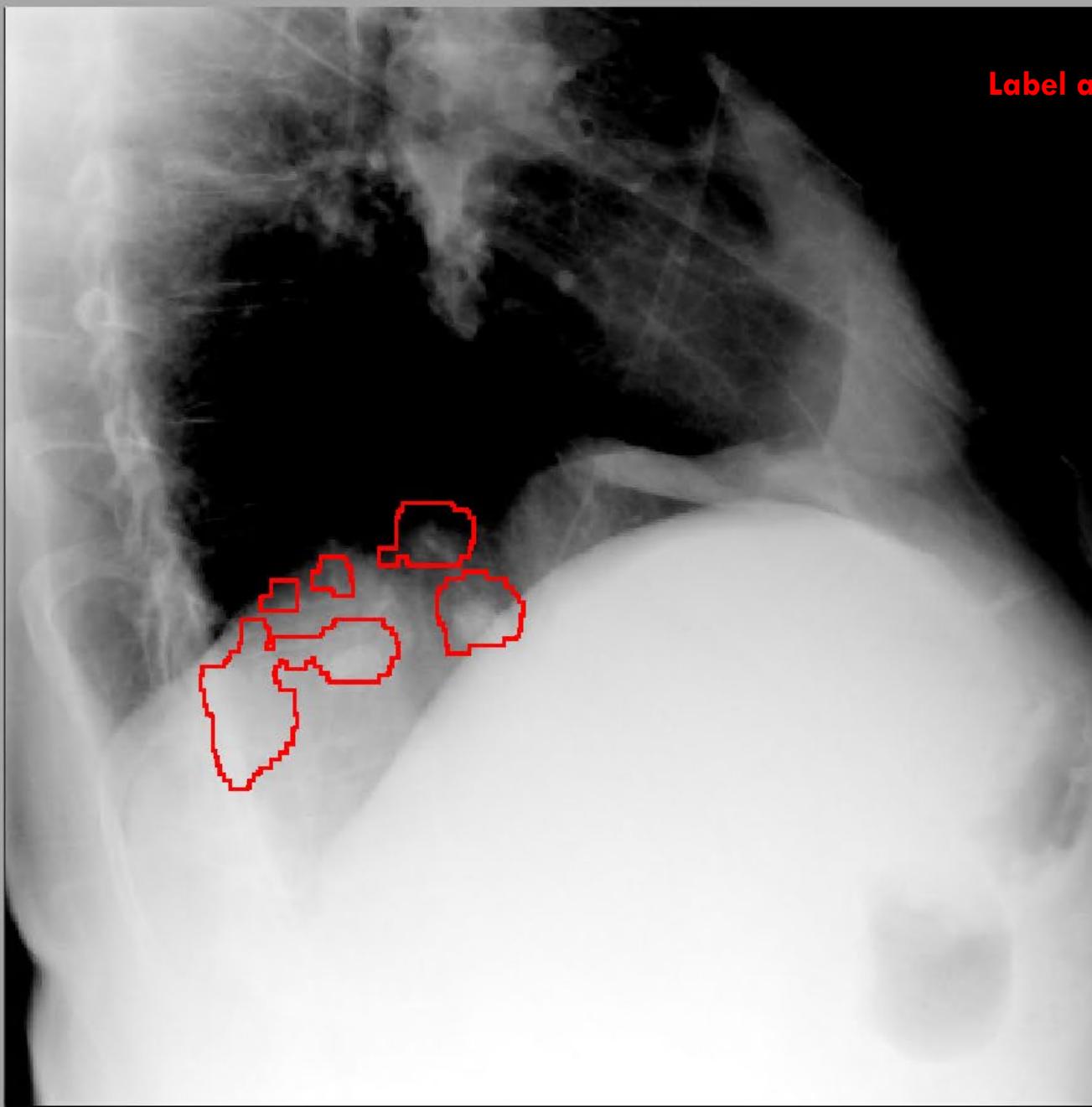
Click & drag ON  
(160, 217)

Confidence in alignment					
<input checked="" type="radio"/>	0: Unlabelled				
<input type="radio"/>	1: Not at all confident				
<input type="radio"/>	2: Not very confident				
<input type="radio"/>	3: Neither				
<input type="radio"/>	4: Fairly confident				
<input type="radio"/>	5: Very confident				

## Contrast Adjustment



12. Label Confidence?



Label all projections

The next to label

### Navigation



0: Unlabelled (35 images)

1: Not at all confident (0 images)

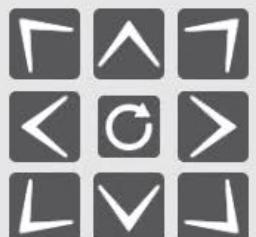
2: Not very confident (0 images)

3: Neither (0 images)

4: Fairly confident (0 images)

5: Very confident (0 images)

### Contour Alignment



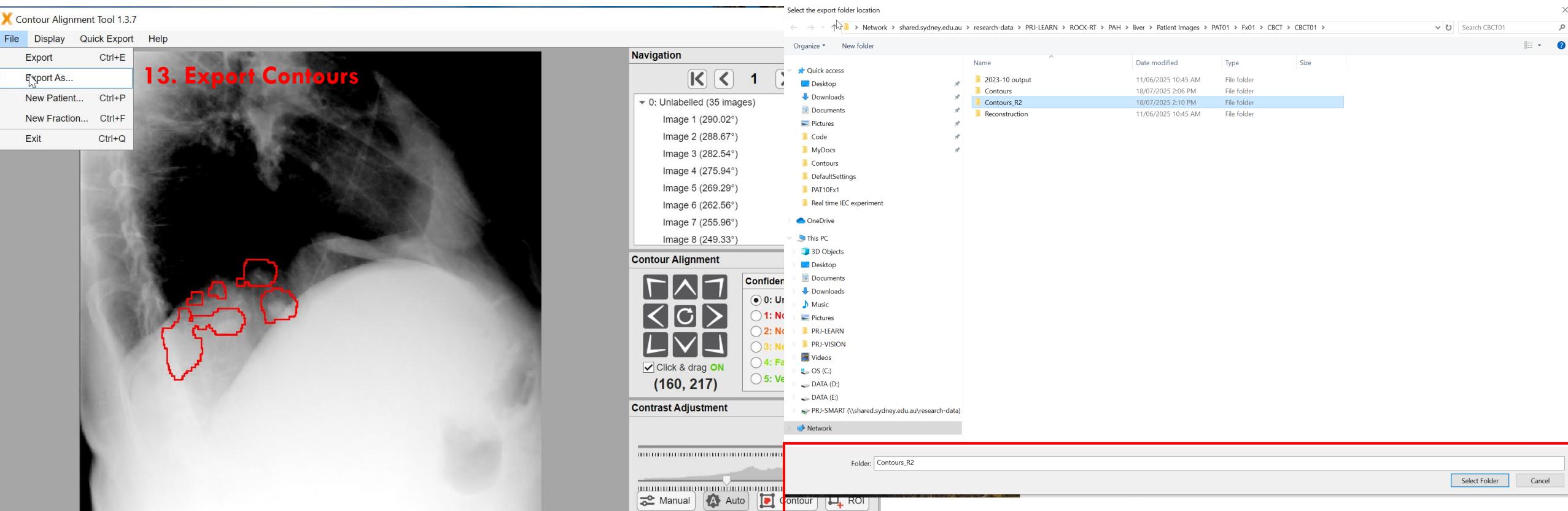
Click & drag ON  
(160, 217)

#### Confidence in alignment

- 0: Unlabelled
- 1: Not at all confident
- 2: Not very confident
- 3: Neither
- 4: Fairly confident
- 5: Very confident

### Contrast Adjustment





14. Choose the folder to save labels