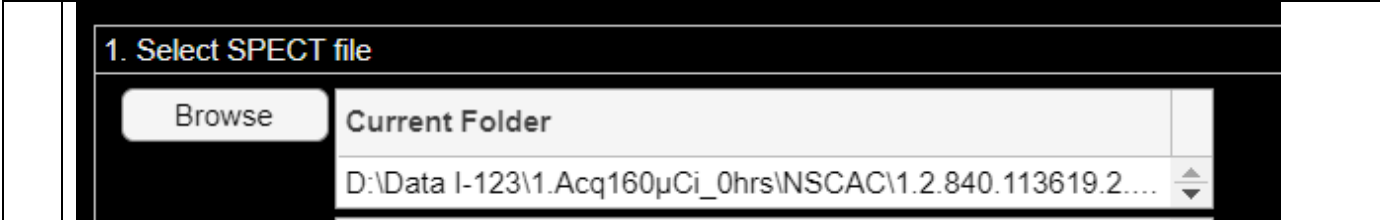


**Volume Calculation**

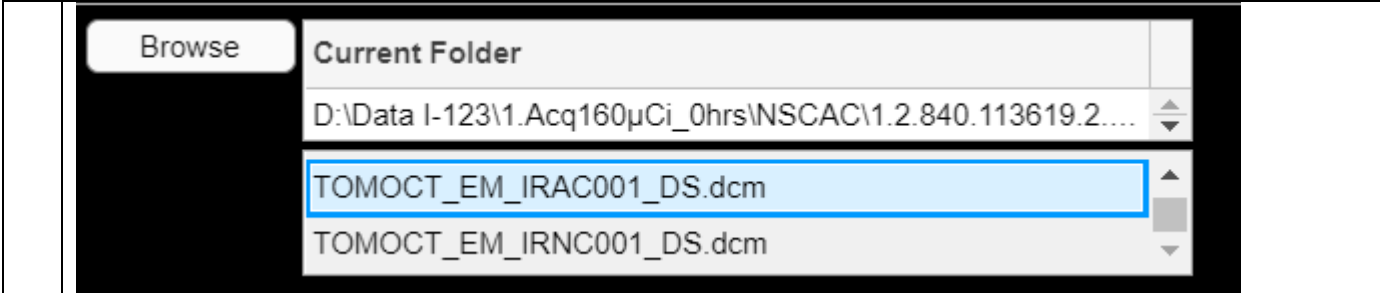
**Inputs**

Inputs	Outputs	View Remnants	Exit algorithm
--------	---------	---------------	----------------

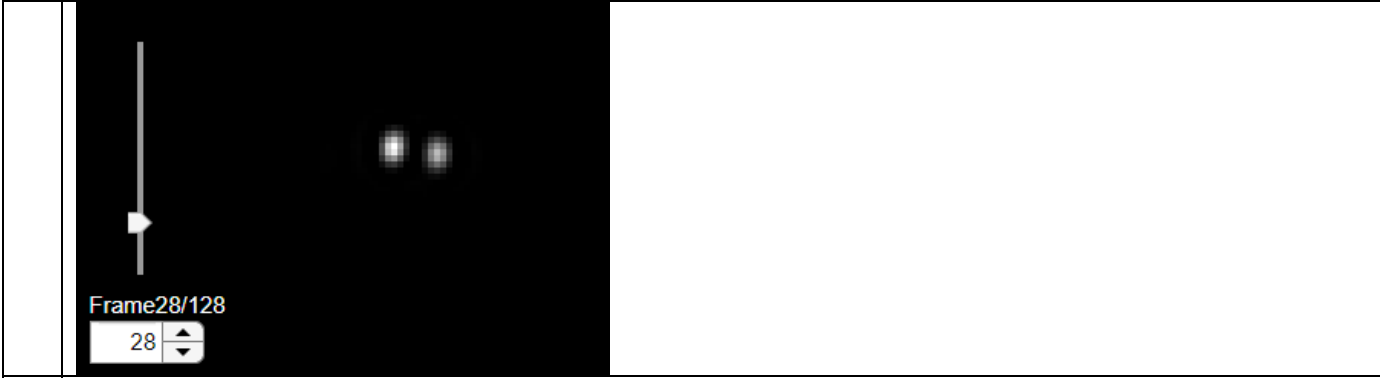
1 Select SPECT file



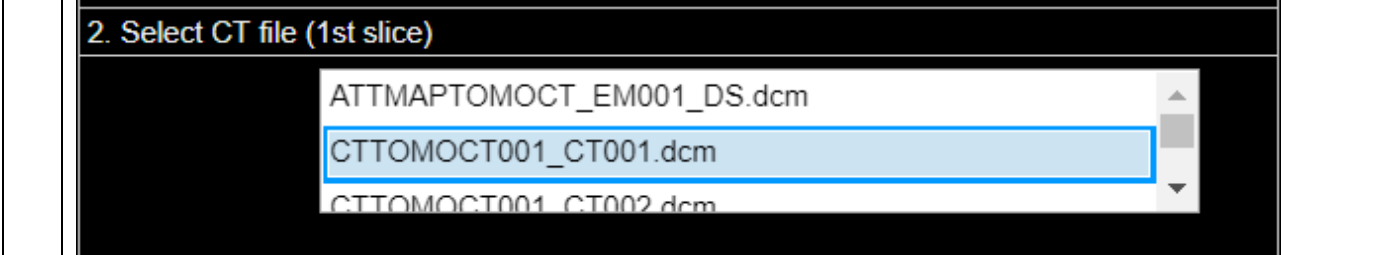
2 Select SPECT image



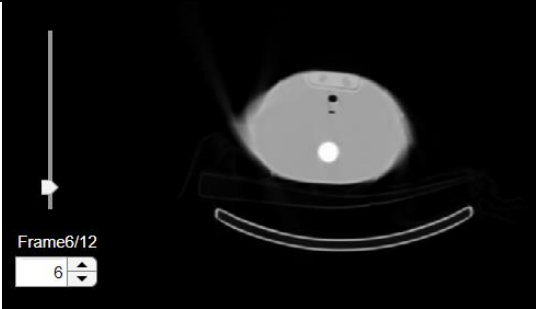
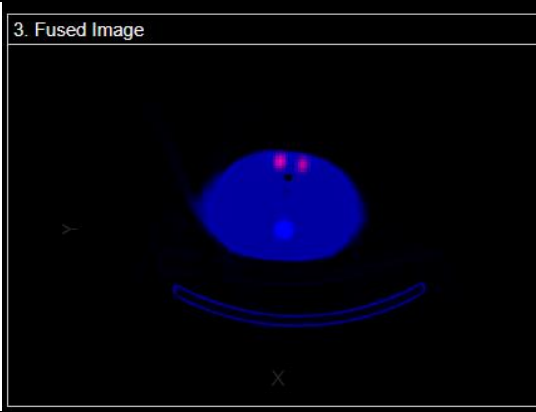
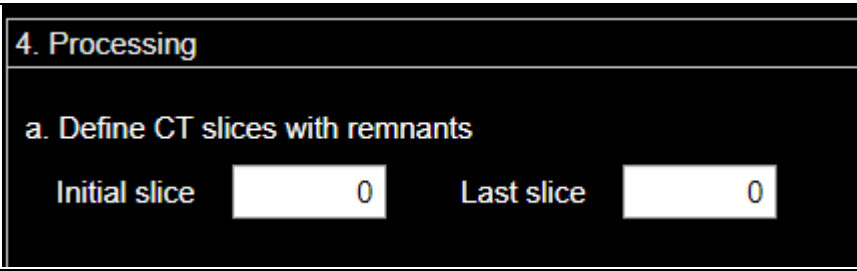
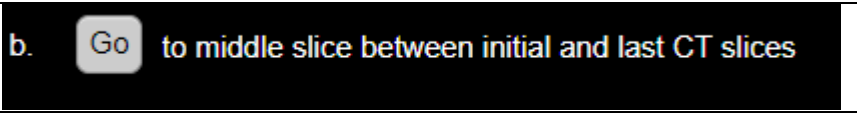
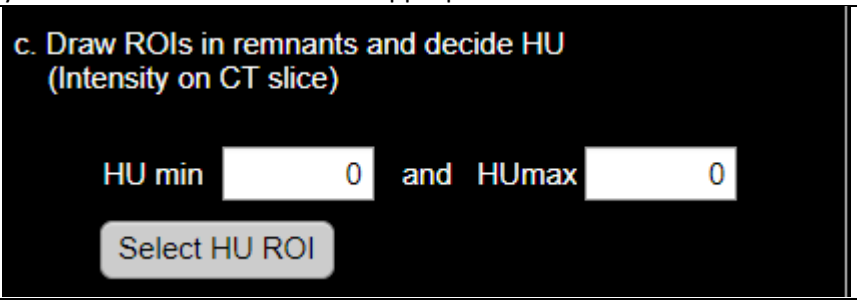
3 Options: scroll to view remnants, save image, copy image, pan, zoom in, zoom out, restore view

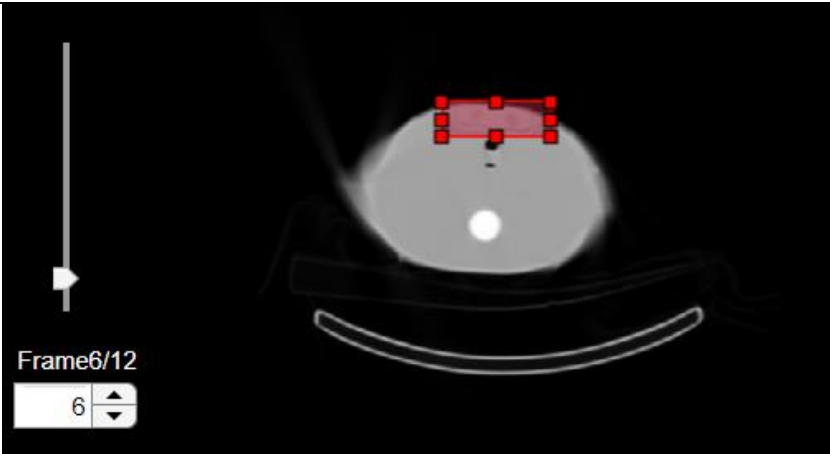
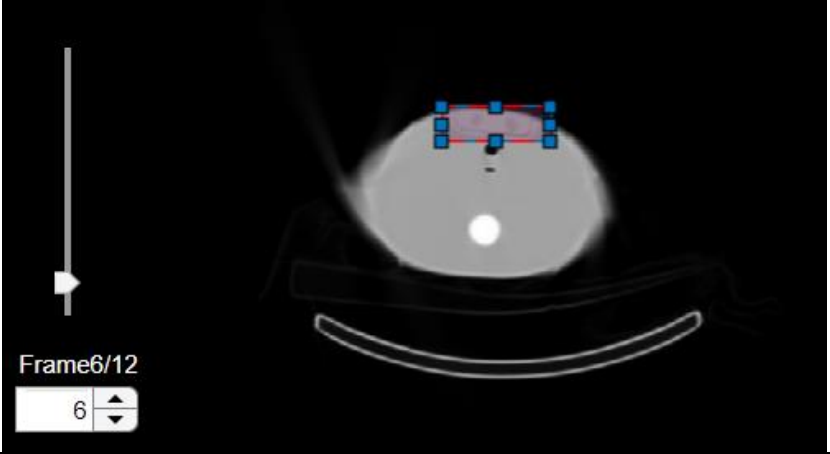


4 Select first slice of CT



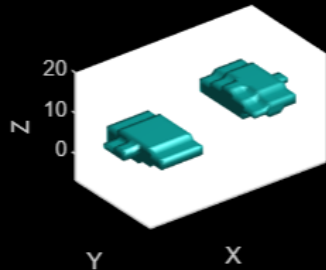
5 Options: scroll to view remnants, save image, copy image, pan, zoom in, zoom out, restore view

		
6	The middle slice of fused image will appear when complete the next steps 4a and b.	
		
7		
		
8		
		
9	You can draw ROI in remnants and the minimum and maximum values of HU will automatically inserted or you can write the values in the appropriate boxes	
		
10		

	<p><b>d.</b> <input type="button" value="Show ROI"/> <input type="button" value="Lock ROI"/></p> <p>Define ROI with remnants on CT middle slice</p>	
11	"Show ROI"	
		
11	"Lock ROI"	
		
11		
12	<p><b>e.</b> Define minimum volume <input type="text" value="0.8"/> in ml to search for</p>	
12		

### 5. Remnants

a.  from SPECT image  
2 Remnants found: Removed 0 remnants



Counts:

Remnant 1 1.018e+

Remnant 2 9.118e+

Remnant 3 0

Remnant 4 0

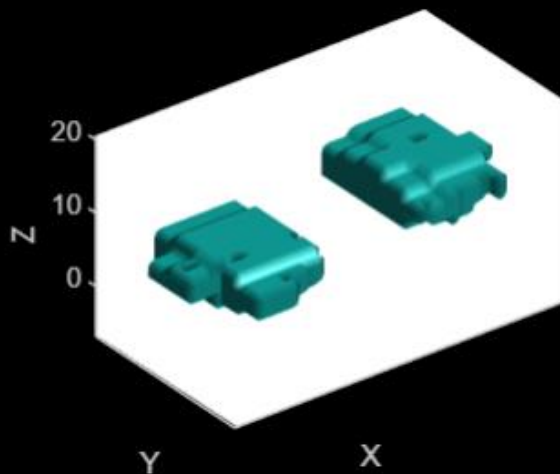
Threshold %

13

b. **Optional**  
 on common pixels from SPECT&CT  
for  $A(I123) > 6 \text{ MBg}$  &  $A(I131) > \text{MBg}$

14

c.  from common pixels of SPECT&CT



### Outputs

15

Results			
Remnants	Voxels	Volume	
1	1201	6.4684	
2	1204	6.4845	

16

Export    **Table**   

17 Insert Tags for filling purposes

Enter ...

Enter Tag Numbers for filling purposes-Tag1 (compulsory):

Tag2 (Optional):

Tag3 (Optional):

Tag4 (Optional):

Tag5 (Optional):

Tag6 (Optional):

OK    Cancel

**View Remnants**

18    **Inputs**    **Outputs**    **View Remnants**    **Exit algorithm**

- Left (up): SPECT Image with remnants
- Left (down): Fused image (middle slice)
- Middle (up): Table of results
- Middle (down): Droplist to select remnant to view
- Right: Fused image (middle slice) showing the selected remnant
- Options: scroll to view remnants (except fused images), save image, copy image, pan, zoom in, zoom out, restore view

The screenshot displays a software interface with two main image windows. The left window, titled 'SPECT image', shows a dark image with a frame indicator 'Frame28/1' and a value '28'. The right window, titled 'SPECT Image (selected remnant)', shows a similar image with a frame indicator 'Frame1/1' and a value '1'. In the center, a table lists remnant data:

Remnants	Voxels	Volume
1	1216	6.5492
2	1024	5.5151

Below the table, there are two 'SPECT fused image' windows. The left one is labeled 'SPECT fused image (middle slice)' and the right one is labeled 'SPECT fused image'. Between them is a dropdown menu titled 'Select remnant to view' with 'Remnant 1' selected.

**Exit algorithm**

Inputs    Outputs    View Remnants    **Exit algorithm**

19 Exit algorithm options

**Do you want to calculate the volume of remnants from another Image?**

Yes

No

**Do you want to enter in**  **algorithm or**  **the software?**