Dosimetry & Radiobiological Model

Inputs

Inputs | Dosage | Statistics | View Remnant | Exit Algorithm

1

Inputs | Dosage | Statistics | View Remnant | Exit Algorithm

1. Enter number of diagnostic acquisitions 4

(max 4: initial acquisition and at subsequent time-point)

2

2. Enter where applicable the subsequent time-points (hours) from initial acquisition t(0)

t(0) 0 t(1) 2 t(2) 19.4 t(3) 35

Note: It does not matter if there is time-interval between injection of radiopharmaceutical and initial acquisition

3

3. Enter duration of acquisitions (sec) 2100

4

4. Import **SPECT images**

Note: all images to be PVE corrected or non-corrected

5 Options to insert Average Conversion Coefficient (Counts to Activity)

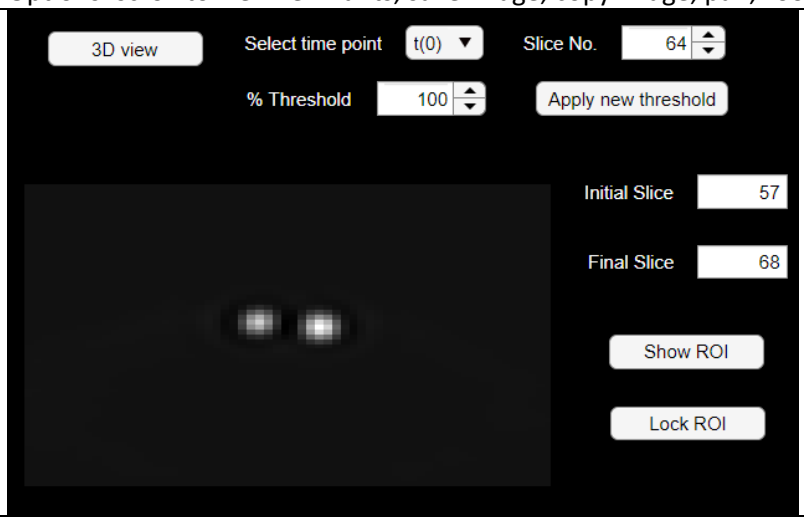
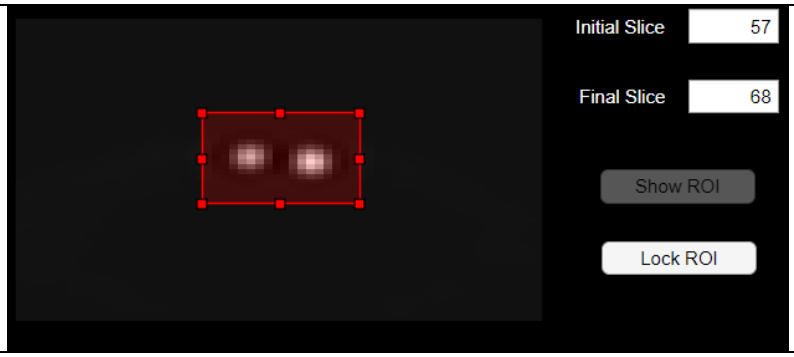
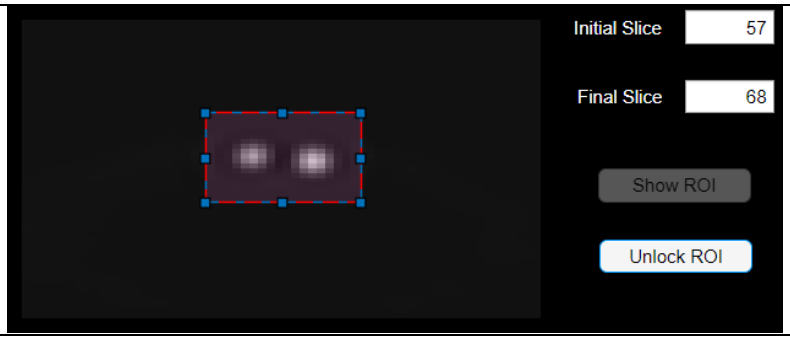
5. Average Conversion Coefficient (Counts to Activity)

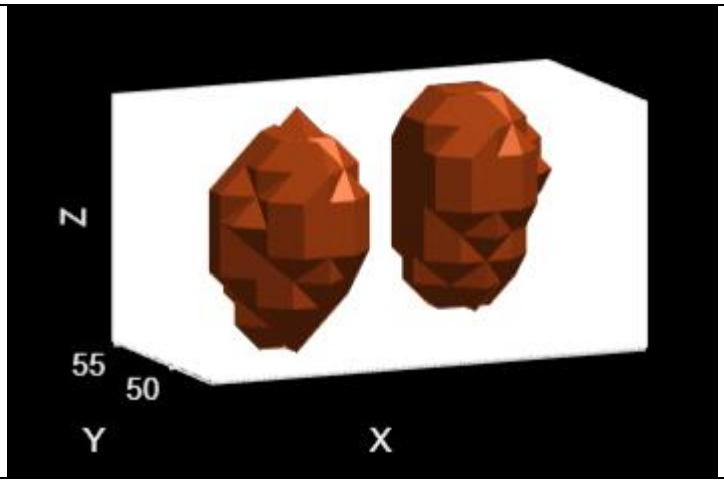
a. from PVE algorithm Load File ☑

b. if average conversion coefficient not loaded automatically, write it 1.466e+05

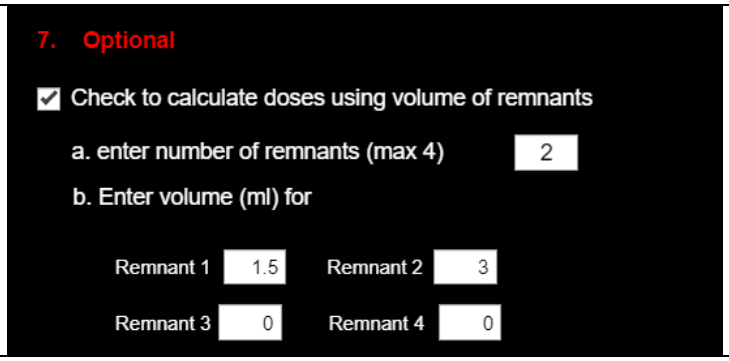
c. Calculate Average Conversion Coefficient

6

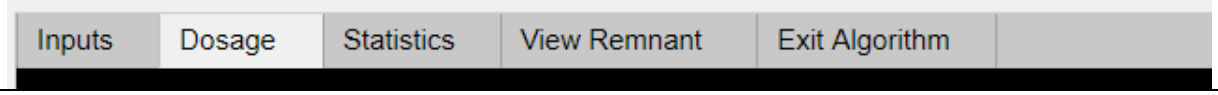
	
7	View SPECT image for selected time-point Options: scroll to view remnants, save image, copy image, pan, zoom in, zoom out, restore view
	
	"Show" ROI
	
	"Lock ROI"
	
8	3D view of remnants



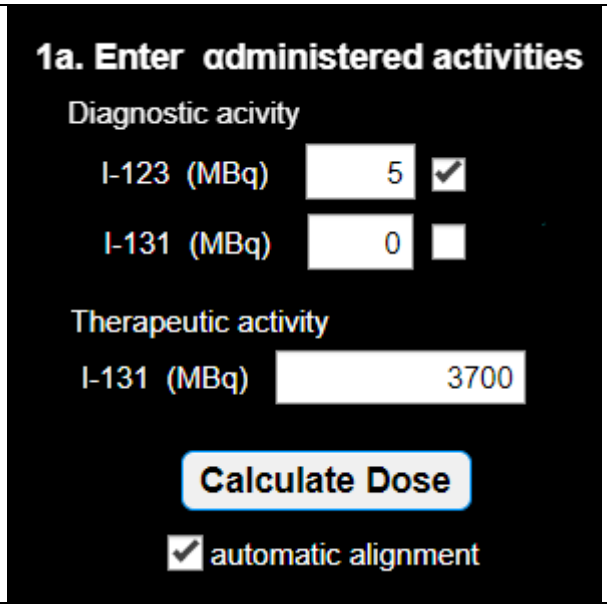
9



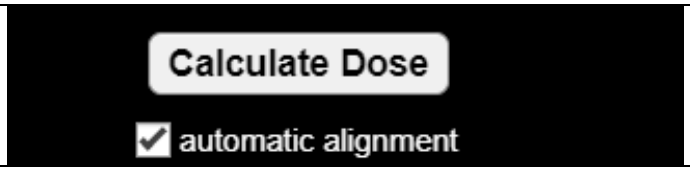
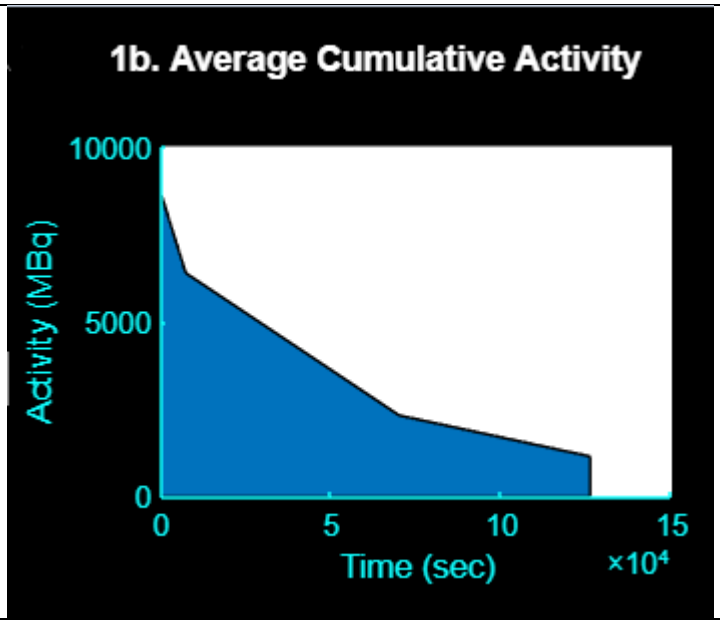
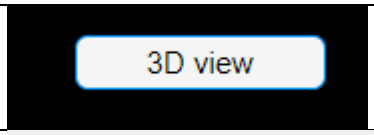
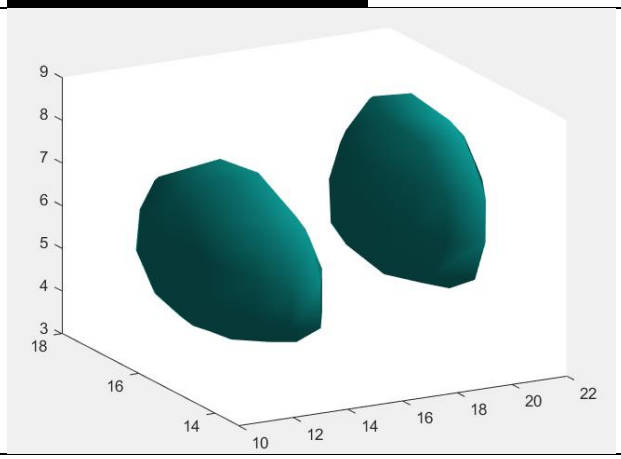
Dosage

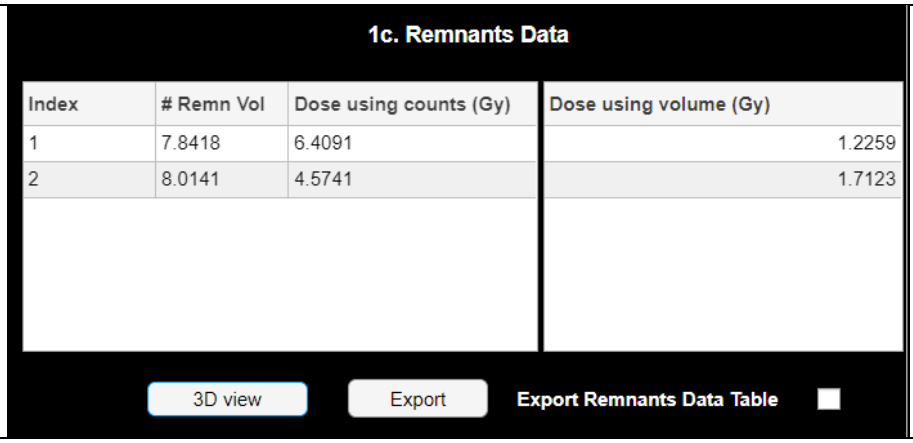


10

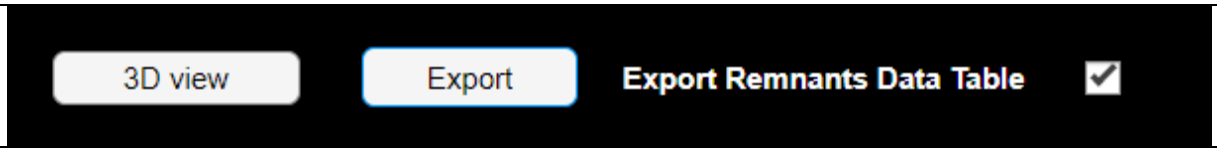


11

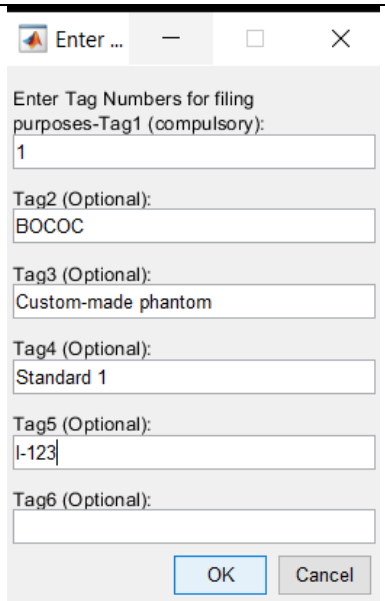
	
12	Plot of Activity vs Counts
	
13	3D View of remnants
	
	
14	



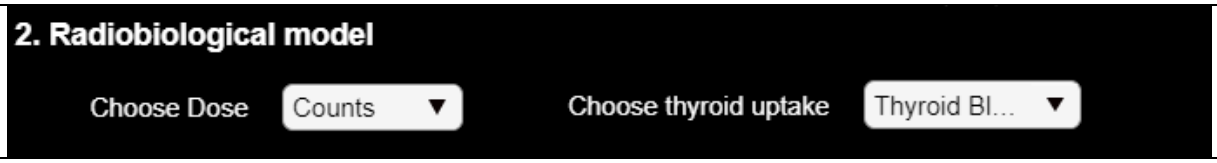
15 Export

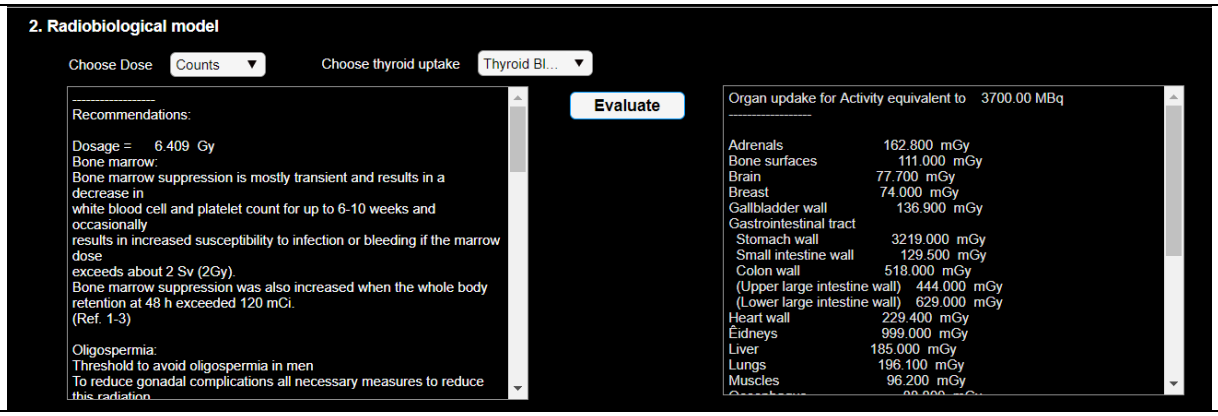


16 Insert Tags for filling purposes



17





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3. Optional
You can enter other therapeutic activity in 1a and calculate other doses

Statistics

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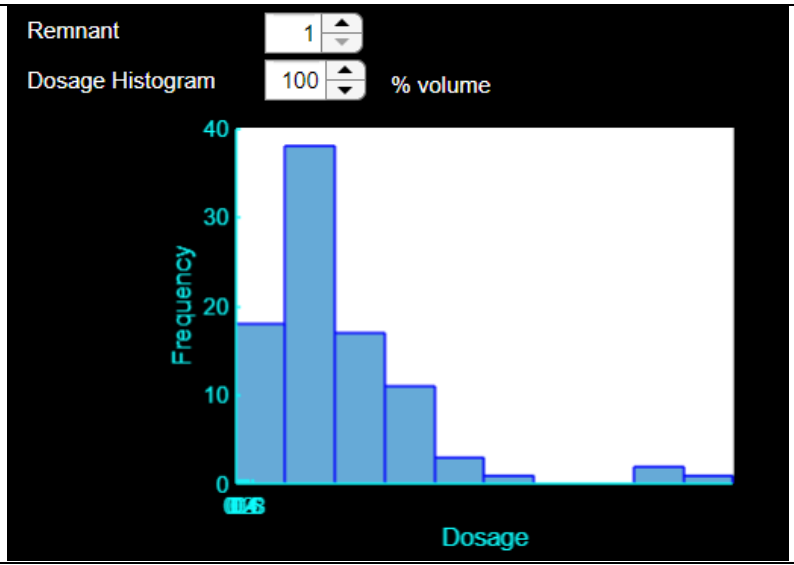

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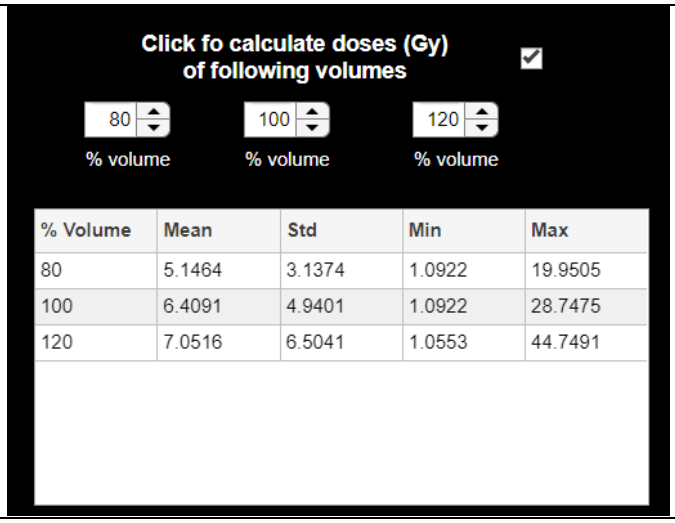
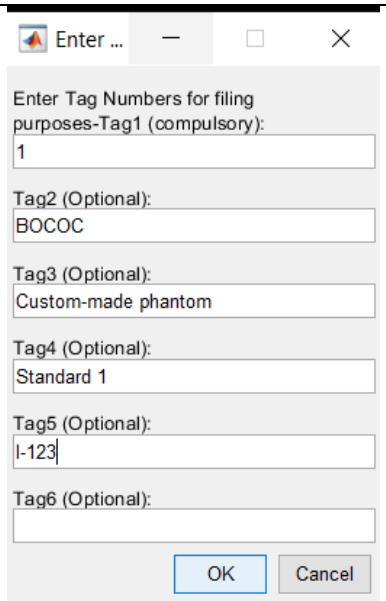
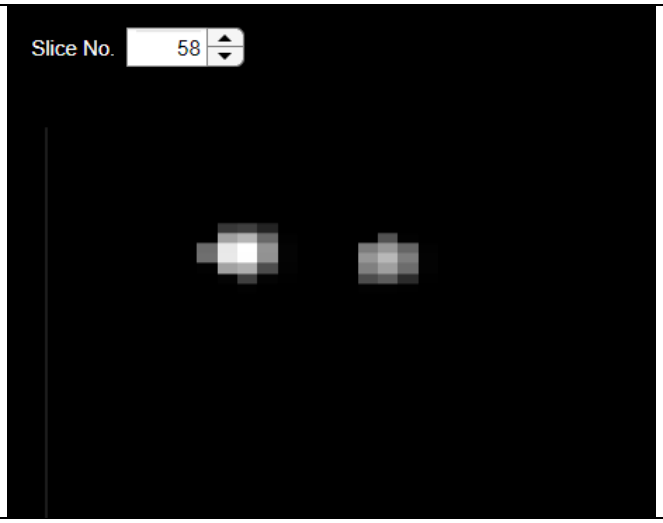
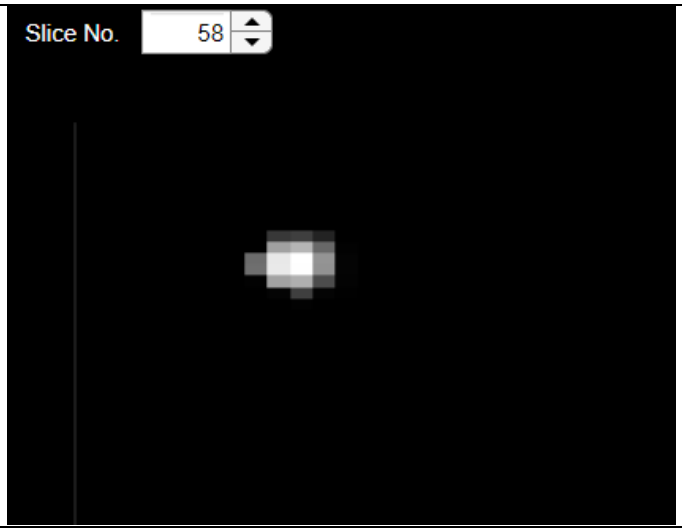
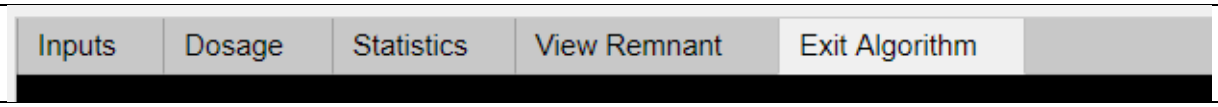
	
23	
	
24	Insert Tags for filling purposes
66	
25	SPECT Image with remnants Options: scroll to view remnants, save image, copy image, pan, zoom in, zoom out, restore view

	
26	SPECT Image showing the selected remnant
	
	Exit algorithm
	
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