1. Start "ImageJ" <- The ImageJ should be a newest version.

🛓 ImageJ	
File Edit Image Process Analyze Plugins Window Help	
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ImageJ 1.40g / Java 1.6.0_05	

2. Open CT images as a "sequence".

The CT images,

must be adjusted their contrast by rec_norm or tif_h2o,

should be made as small as possible by cutting,

should be gather in a new directory. $\dot{\leftarrow}$ The directory contains no other files.



Select "ro0001.tif"

Open Image Sequence ? ×						
ファイルの場所型:	🗀 r8			💌 🗢 🖻 🖻	* 🎫 -	
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最近使ったファイル	ro0003.tif	ro0017.tif	ro0031.tif	ro0045.tif	ro0059.tif	ro00
	roUUU4.tif	ro0018.tif	ro0032.tif	ro0046.tif	ro0061.tif	rouu * rouu
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	ファイル名(N):	ro0001.tif				<u>₹(0)</u>
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Usually you can leave the parameters.

🛓 Sequence Options	×	
Number of Images:	765	
Starting Image:	1	
Increment:	1	
Scale Images:	100 %	
File Name Contains:		
or Enter Pattern:		
🔲 Convert to 8-bit	Grayscale	
Convert to RGB		
🔽 Sort Names Nu	merically	
🗖 Use Virtual Stac	k	Press
462 x 410 x 765 (1	38.2MB)	
	OK Cancel	

″Open″

3. Reading files



4. Read sequence images.



You can change the layer by this bar.

5. Sometimes you have to adjust the contrast.

		🛓 ImageJ			_ <u> </u>
		File Edit	Image Process	Analyze Plug	gins Window Help
			Туре	•	🔘 Dey Stk LUT 🖉 🔏 🚿 🚿
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	Window/Level		Show Info	Ctrl+l	
	Color Balance		Properties	Ctrl+Shift+P	. A state
ī	Threshold	Ctrl+Shift+T	Color	•	A. C. W. K.
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			Crop	Ctrl+Shift+X	and the second
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			Rename		
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			Zoom	•	A AND A
			Lookup Tables	•	

6. B&C window



6. Then you will get images with better contrast.



When you see the saturated area, you have to adjust contrast manually.

7. Open "Volume viewer"



8. Converting to 3D stack.

🛓 ImageJ	_ 🗆 🗵
File Edit Image Process Analyze Plugins Window Help	
	>>
Converting stack	

9. Volume viewer is started.



changing appearance (color table)

changing scale



Scale was set at 0.5.

changing appearance to $\rm "Volume \ II"$



You can get 3D rendered image.

