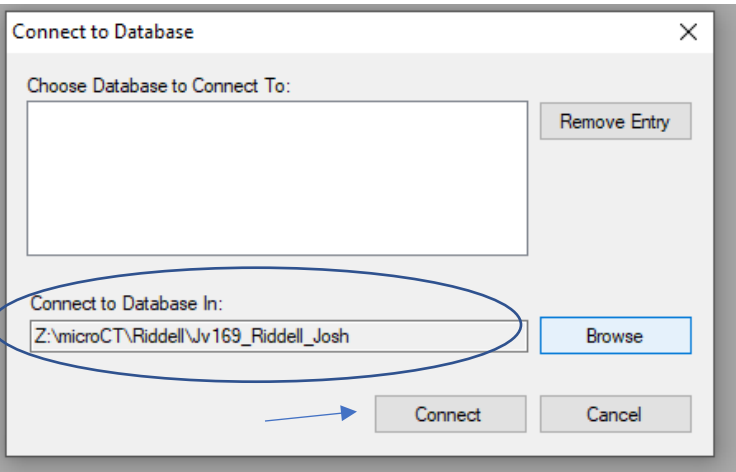
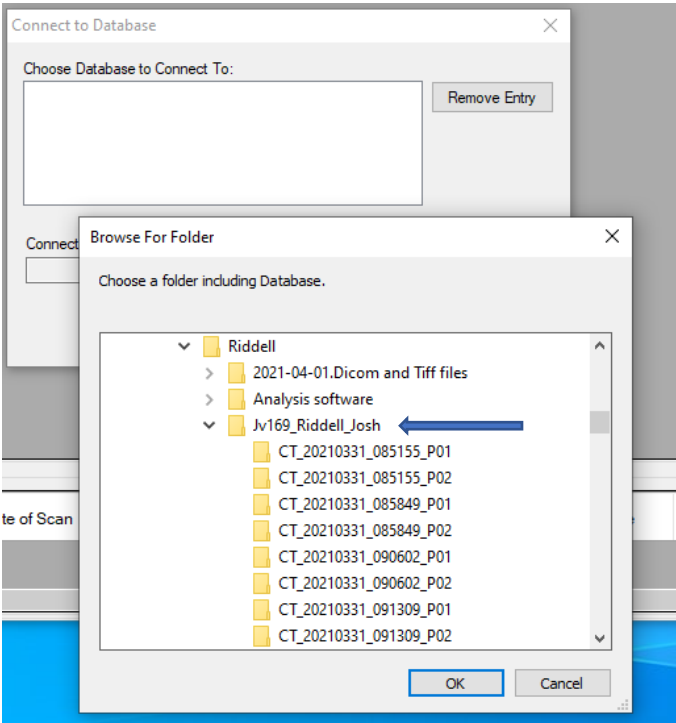
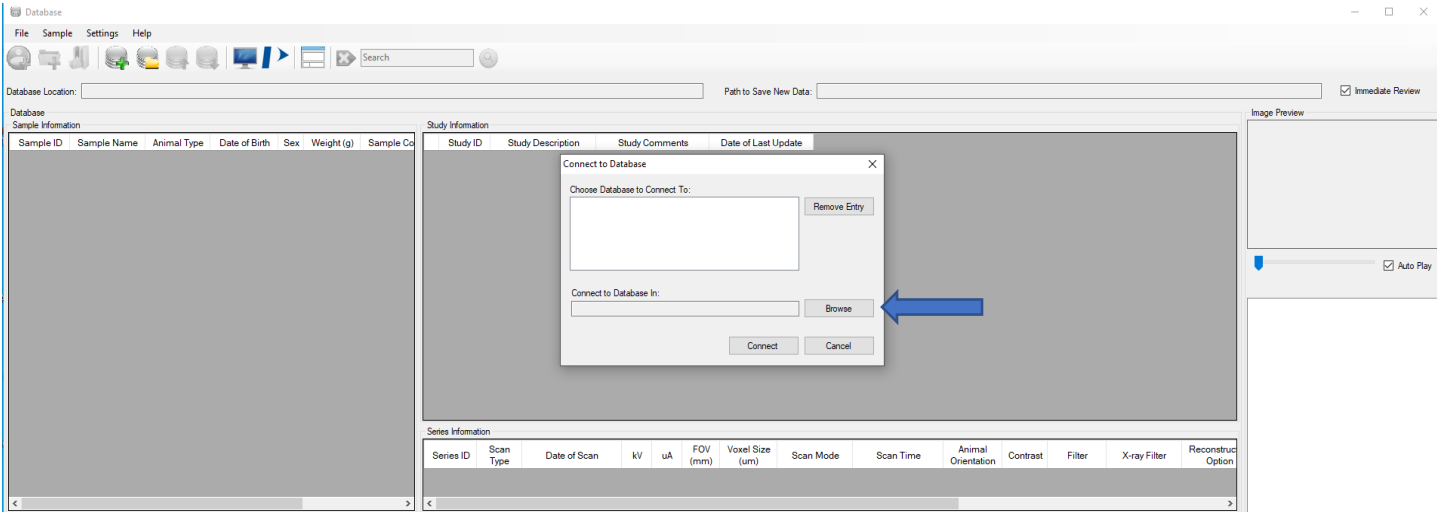


In the Arnold library on computer #2 or #6 you will see 2 Quantum GX Database programs. They look similar but recommend the Image Analysis software. The Viewer Pack will give you the basics of image view.

Once the software opens it will prompt you to connect to Database.

Click Browse to locate your labs microCT folder. You will need to beforehand map the network drive to your home drive.



Browse to connect to a Database. The database will be the folder on your labs microCT folder. You can not connect to individual CT folders within the database, you must connect to the database containing the CT folders.

Database

File Sample Settings Help

Database Location: Z:\Animal Imaging\Connect to Existing Database\iddell\_Josh

Path to Save New Data:

Free space 369.48TB/3039.89TB

Immediate Review

Sample ID	Sample Name	Animal Type	Date of Birth	Sex	Weight (g)	Sample
1	8016		3/31/2021	None		
2	8028		3/31/2021	None		
3	8014		3/31/2021	None		
4	8026		3/31/2021	None		
5	8045		3/31/2021	None		no tag
6	7995		3/31/2021	None		
7	8010		3/31/2021	None		
8	8002		3/31/2021	None		
9	7996		3/31/2021	None		
10	8007		3/31/2021	None		
11	7985		3/31/2021	None		
12	7984		3/31/2021	None		
13	7978		3/31/2021	None		
14	7982		3/31/2021	None		
15	7983		3/31/2021	None		
16	7969		3/31/2021	None		
17	7977		3/31/2021	None		
18	7968		3/31/2021	None		
19	7970		3/31/2021	None		
20	7966		3/31/2021	None		
21	7960		3/31/2021	None		
22	7963		3/31/2021	None		
23	7965		3/31/2021	None		
24	7964		3/31/2021	None		
25	7962		3/31/2021	None		
26	8068		3/31/2021	None		
27	8060		3/31/2021	None		
28	8053		3/31/2021	None		
29	8055		3/31/2021	None		
30	8061		3/31/2021	None		
31	7959		4/11/2021	None		

Study ID	Study Description	Study Comments	Date of Last Update
1	20210331		3/31/2021 8:44:53 AM

Series ID	Scan Type	Date of Scan	kV	uA	FOV (mm)	Voxel Size (um)	Scan Mode	Scan Time	Animal Orientation	Contrast	Filter	X-ray Filter	Reconstruct Option
1	Normal	3/31/2021 8:51:55 AM	90	88	36	72	High Speed	Respiratory Gating...		-	Original	Cu 0.06-AI 0.5	-
2	Normal	3/31/2021 8:51:55 AM	90	88	36	72	High Speed	Respiratory Gating...		-	Original	Cu 0.06-AI 0.5	-
3	Normal	3/31/2021 8:58:49 AM	90	88	36	72	High Speed	Respiratory Gating...		-	Original	Cu 0.06-AI 0.5	-
4	Normal	3/31/2021 8:58:49 AM	90	88	36	72	High Speed	Respiratory Gating...		-	Original	Cu 0.06-AI 0.5	-

Image Preview

72/512

3/31/2021 8:51:55 AM 3/31/2021 8:51:55 AM

3/31/2021 8:58:49 AM 3/31/2021 8:58:49 AM

Sample info: Animal ID  
 Study info: Date  
 Series info: Images,  
**Double click on a series ID to bring up the Viewer window**

Viewer

File(F) View(V) Loupe magnification(L) Setting(S) Language(L) Help(H)

Viewer

Image Selection

Analysis

Image control

Image Display Settings

Reconstruction Options

Measurement Tools

Image Save

X = --- Y = --- VAL = ---

Sample ID: 1  
 Sample Name: 8016  
 Study ID: 1  
 Study Description: 20210331  
 Series ID: 4

XRay kV: 90kV  
 XRay uA: 88uA  
 Scan Time: Respiratory Gating 4min (Exp.)  
 FOV: 36mm  
 Pixel Size: 72.00um

Zoom: 100%

Z: +0.000mm  
 X: +0.000mm

+436  
 -316  
 -1068

Z: +0.000mm  
 Y: -4.752mm

+436  
 -316  
 -1068

Y: -4.752mm  
 X: +0.000mm

There will most likely be 2 series (images) for each animal. Inspiration and expiration are separated during a lung gating scan. We recommend doing analysis on expiration image. You will notice a more quantifiable image when comparing with inspiration image. This will be the second series. Example image above shows 4 series for one mouse, this means that mouse had to be rescanned.

Database

File Sample Settings Help

Database Location: Z:\Animal Imaging\Connect to Existing Database\iddell\_Josh

Database

Want to connect to a different database from a past study. You will need to remove current study and locate the other database, aka folder in your labs microCT folder.

For more information please locate the reading material provided in your labs analysis folder. Chapter 8 “Viewing Images” will help you preview data and navigate through the 2D and 3D display options.