RESOURCE SHARING PLAN
Data Sharing Plan
The data utilized and generated throughout this research will be made publicly available within the guidelines of IRB requirements. All data that is shared publicly will be deidenitified apart from the tissue of origin and diagnosis. Micro-CT scans will be hosted on either the Cheng lab reconstruction computers or within the HPC allocations of Dr. Cheng or Dr. Silverman. All 3D data that is published will be made publicly available for manipulation and analysis by other researchers and clinicians on the web-based open-source platform Neuroglancer. The Cheng lab has adapted Neuroglancer to support our data, and we will share web links in accordance with the guidelines provided by our institution, the IRB, and the publisher.

   All scripts and code we generate for data analysis will also be made available on my github. This includes R code written and utilized for the non-inferiority trial in aim 2 and python code written and adapted for computational persistent homology in aim 3. Images generated from patient specimens will be labeled according to the tissue type and diagnosis and will be otherwise deidentified. In summary, all results we publish will be made publicly available.

Sharing Model Organisms
Not applicable. All model organism samples utilized in aim 1 will be specimens extracted by collaborators from animals they have sacked.