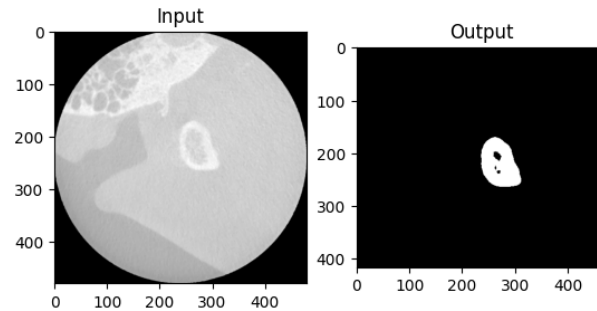


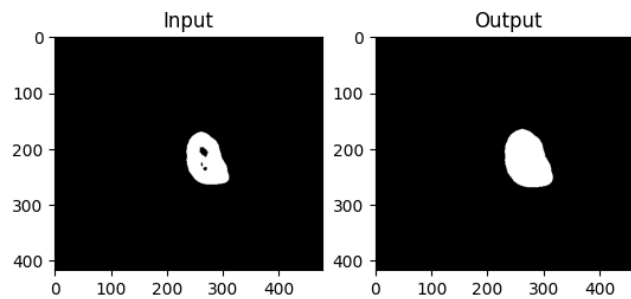
Report summary

We have successfully extracted the area of interest from the DICOM files, resulting in an approximate 85% reduction in the number of voxels required for processing in subsequent steps.

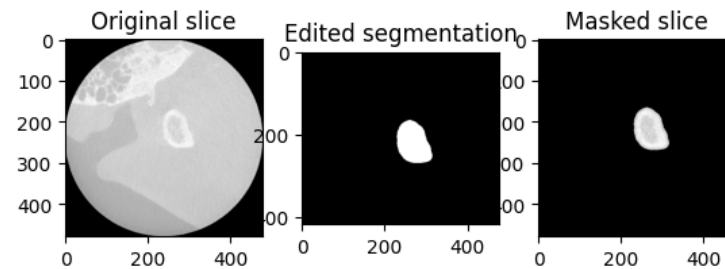
1. Segmentation



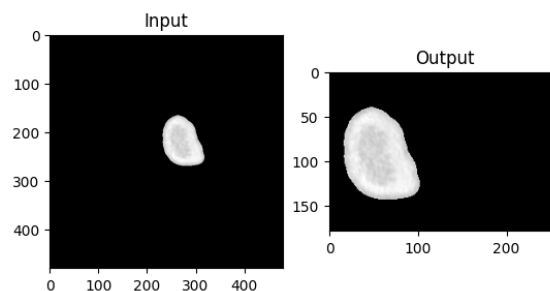
2. Fill the holes and expand the edge by 5 pixel



3. Masking the original slice with segmentation



4. Removing slice with no information from all 3 axes



Origin shape : (479, 479, 481), Squeezed shape : (179, 263, 353)

Reduced voxel number from 110,361,121 voxel to 16,618,181 voxel (85% reduction)

Resulting 3d volume

