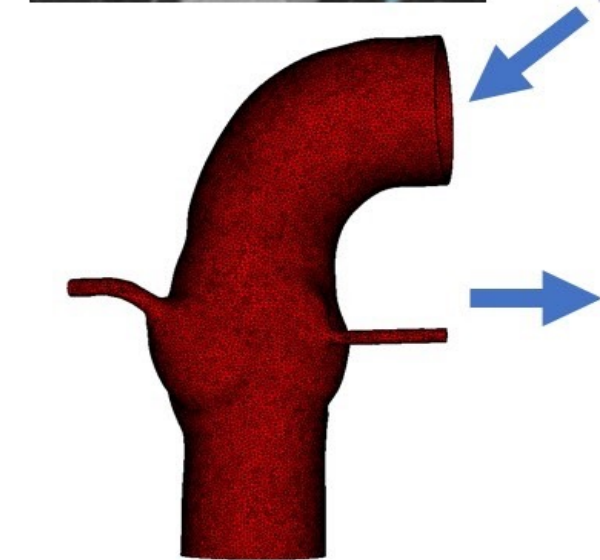
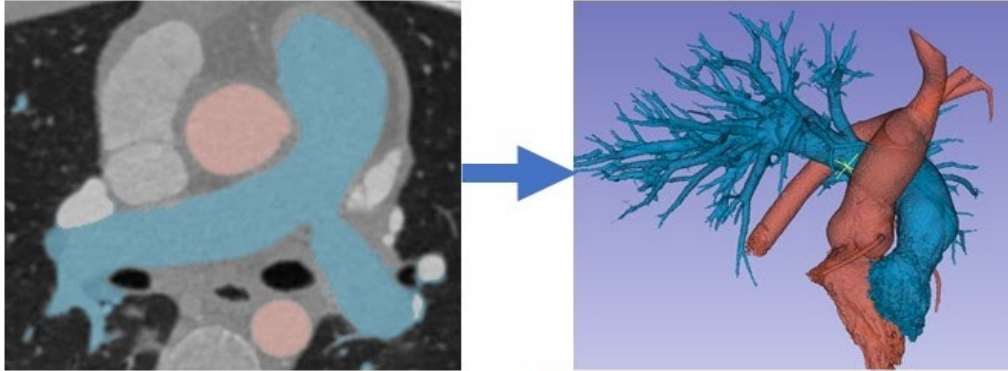
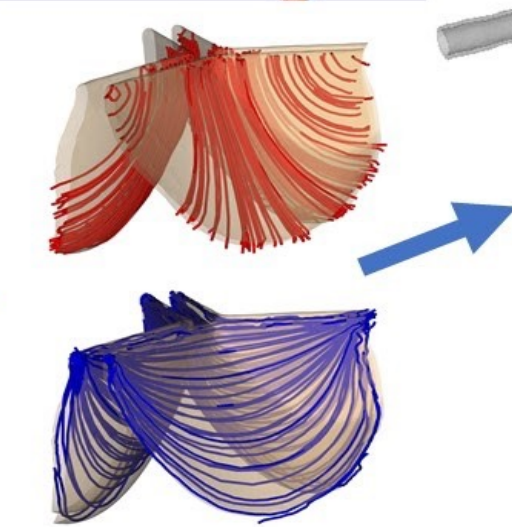


Workflow for 3D Fluid Structure Interaction Models of Aortic and Coronary Flow

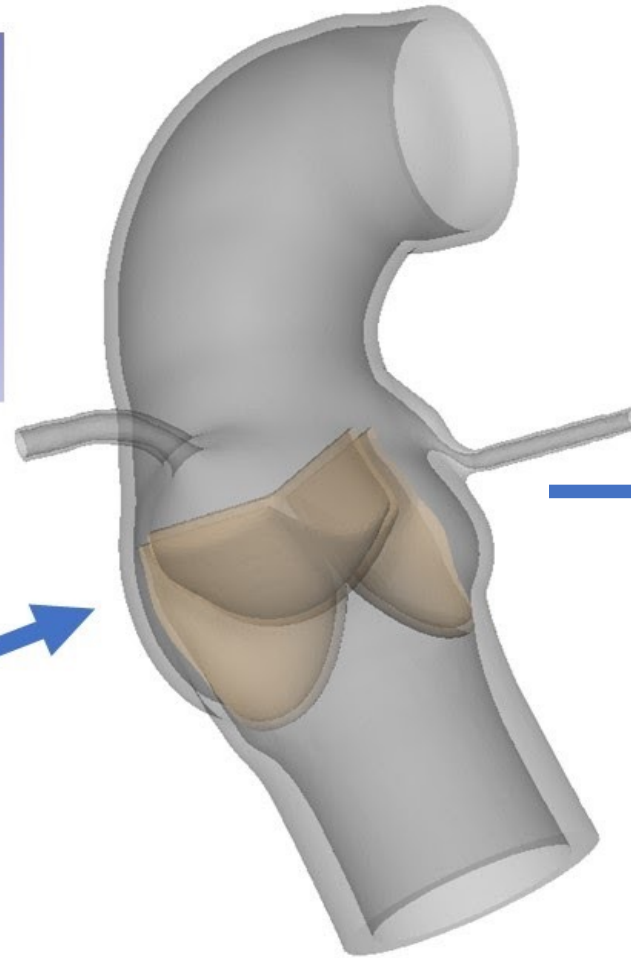
(1) Segmented CT Images (2) 3D Reconstruction



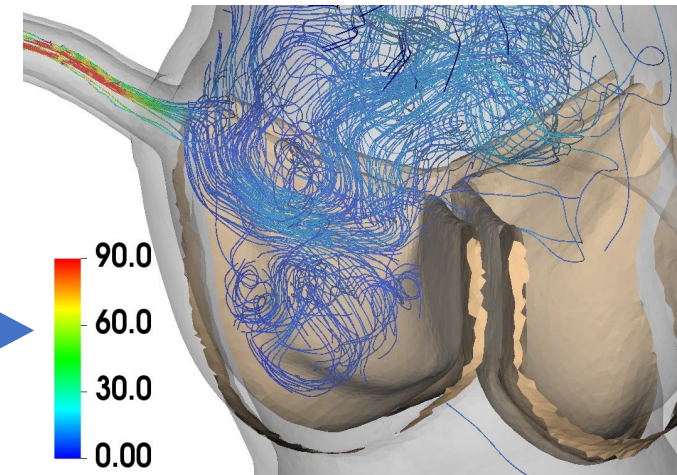
(3) Meshing, Extruding,
& Post-Processing



(4) Leaflet Fiber
Field Generation



(5) Completed
Volumetric Mesh



(6) Simulation on HPC Cluster,
Post processing,
& Data Analysis