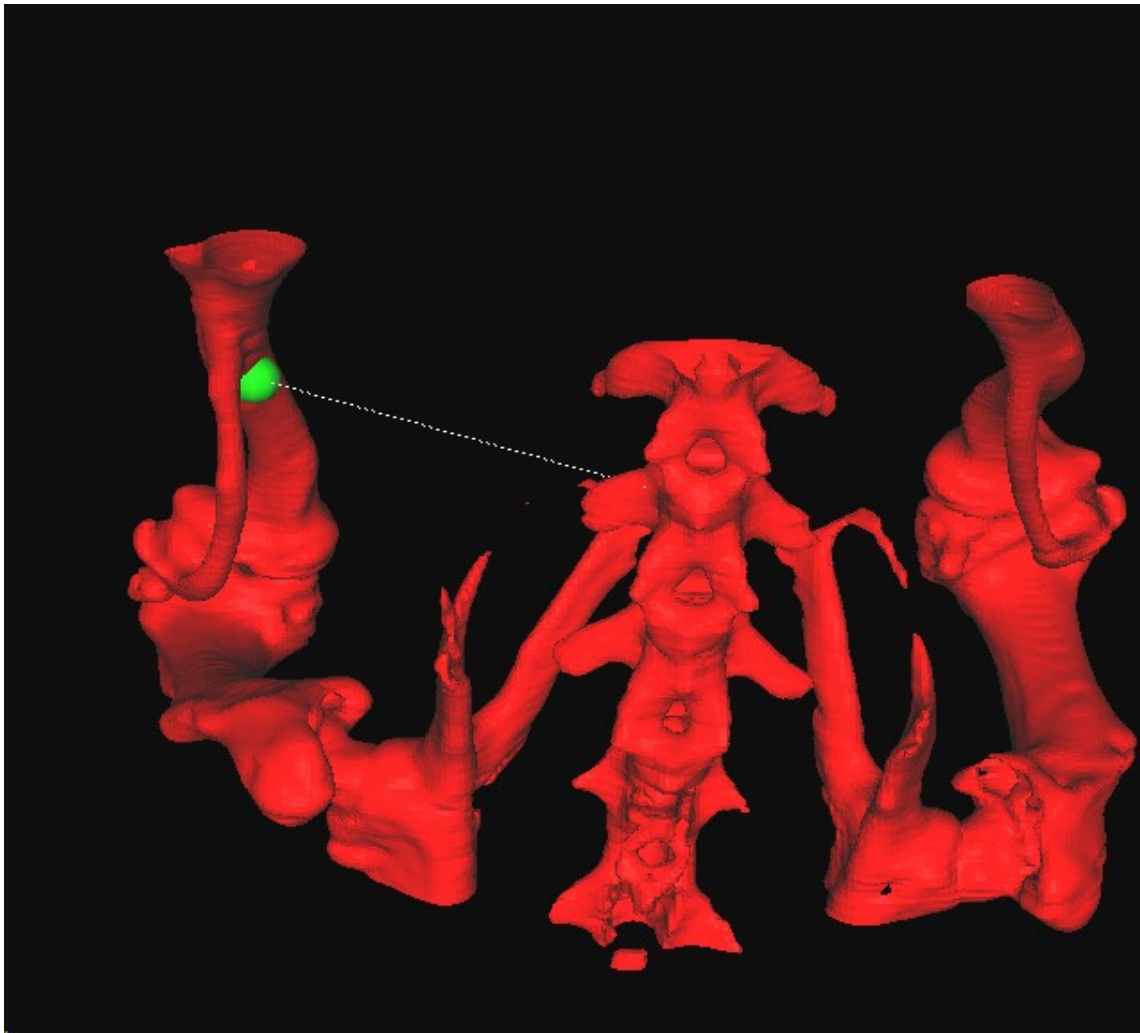# ScienceGL
Volume4D software

Volume and Area Measurement with interactive 3D tools.

ScienceGL provides unique set of interactive measurement tools. You can measure distances, volumes and areas moving objects with our mouse right in 3D screen. Any tool returns a report with specific information.
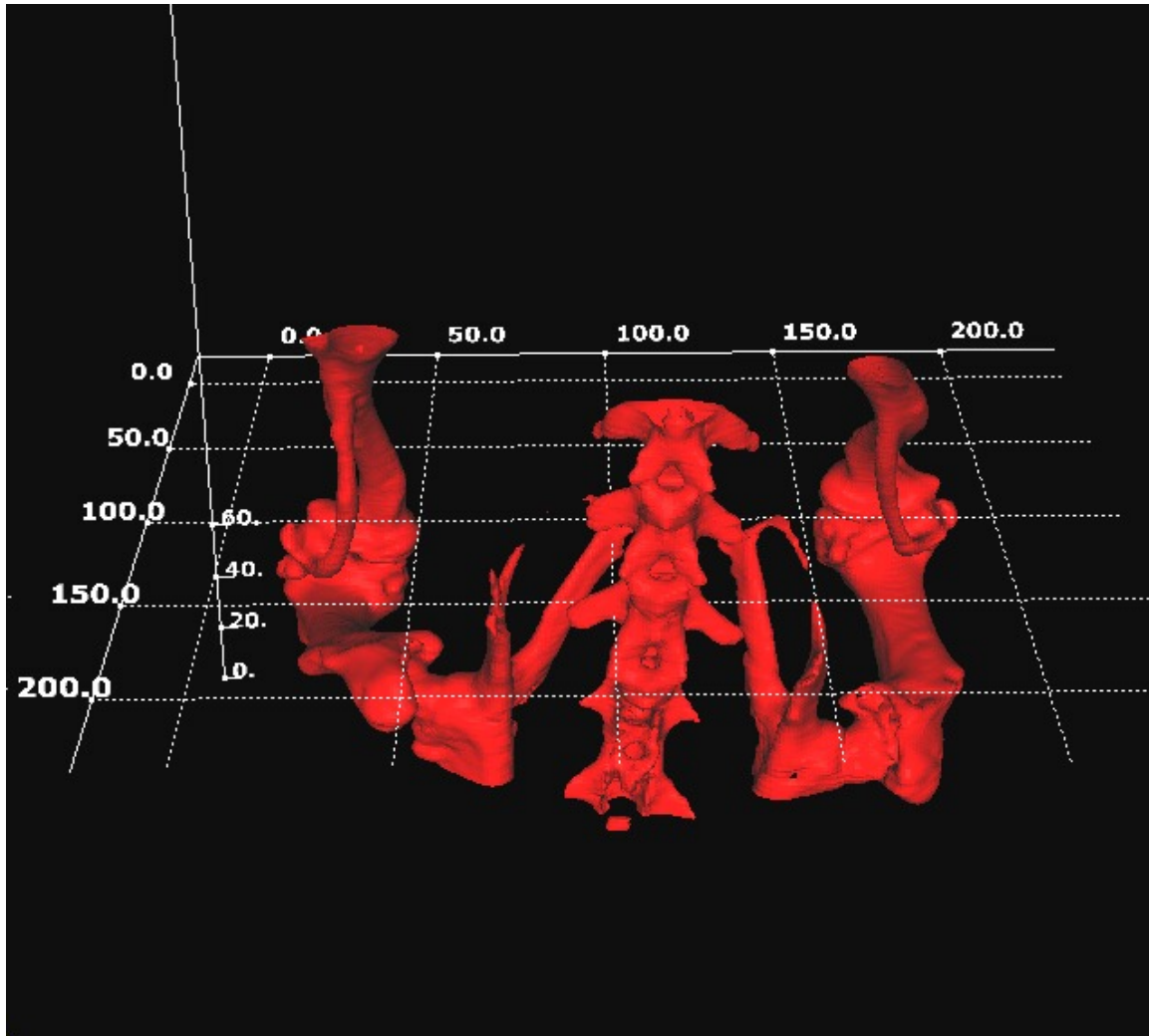
Distance

Distance is measured by touching one point of surface (XYZ read out and Green marker drawn around the point on surface. Moving mouse over other surface position returns X, Y, and Z distance between 2 points Total distance $Sqr(X^2+Y^2+Z^2)$ is also returned by report.
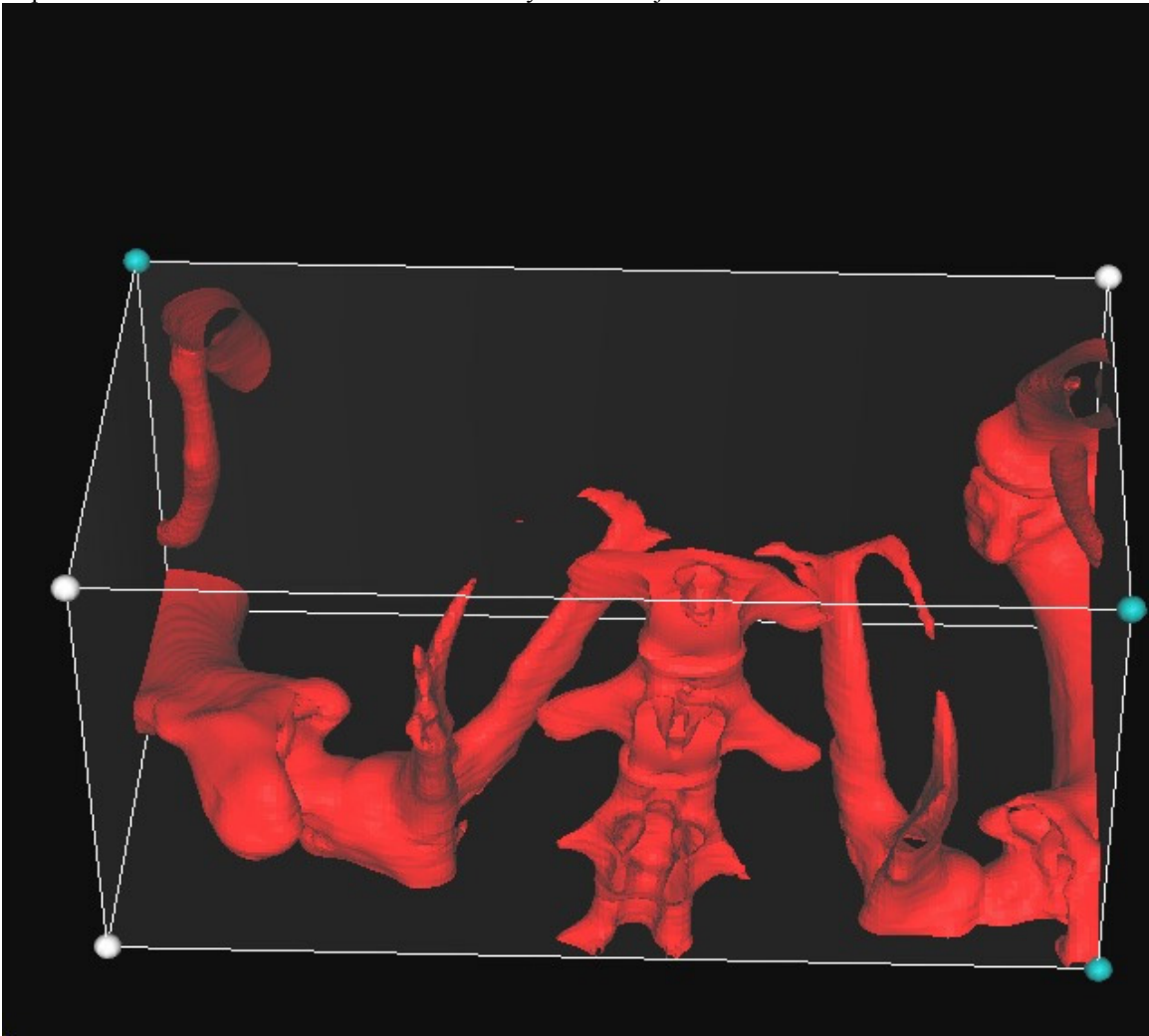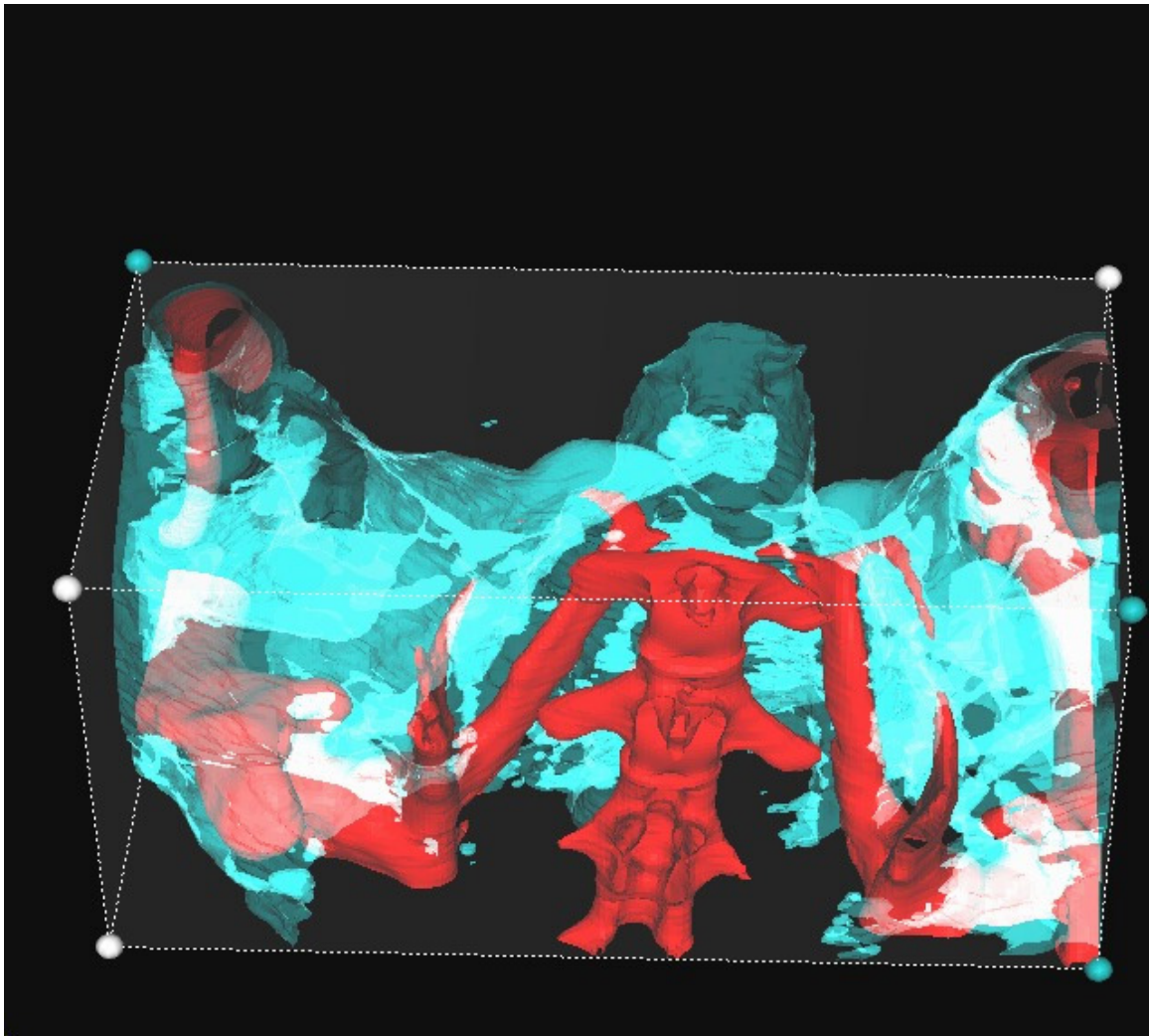
Axis and Mouse Read out

3D Axis is available for fast estimation of the feature size. Mouse moved over surface returns XYZ position.
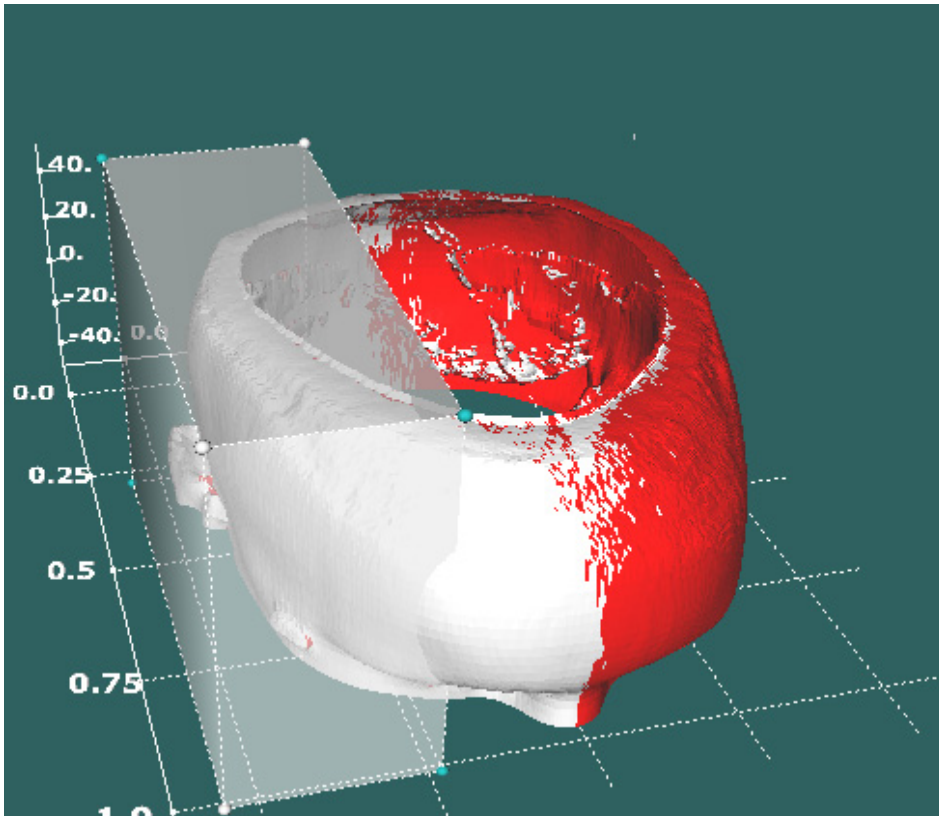
Volume Cube

Volume cube can be adjusted real time with mouse. Optionally you can clip surface outside the cube.
Report returns surface area and volume within any surface object.

Multiple surfaces are available for different voxel level counting.

The volume is measured as all the voxels within specified object (same as within certain voxel level threshold) and within the volume tool. The report returns Volumes and Areas for all surface objects.

Orthogonal Planes

Orthogonal surfaces return area and volume within X, Y and Z planes. Planes are moved with mouse. The plane optionally can clip data (half space or layer modes).

www.sciencegl.com