Visualization of Quantitative Data Derived from Volumetric Imaging

This presentation discusses techniques and issues with obtaining quantitative data from imaging technology at high levels of accuracy. Current techniques are capable of deriving quantitative data from volumetric images at sub-voxel levels. However, there are limitations stemming from the fact that there are issues with different artifacts, such as noise, partial volume effects, etc., that lead to uncertainties inherently encoded within the data. Awareness of that fact can help improve the segmentation of the data and as a result the quantitative information extracted. The quantitative data can then be used for additional modelling and further analysis.

225