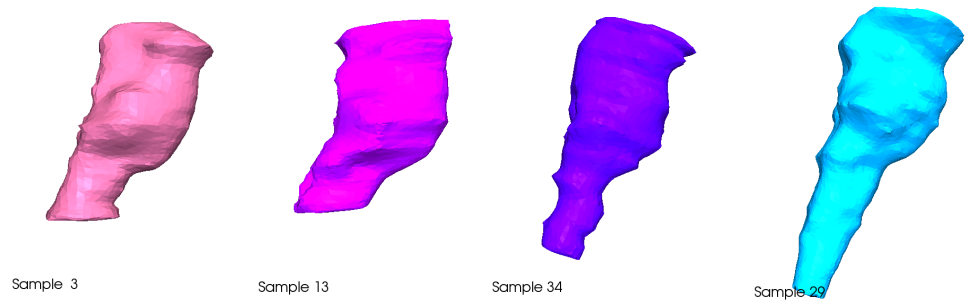
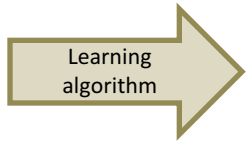


What's a normal brainstem shape ?

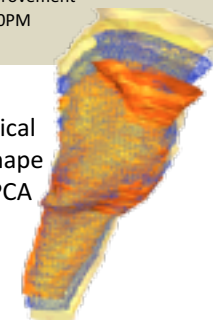


Set of approved brainstem shapes

Abstract Title: Statistical Shape Models for the Automated Detection of OAR Segmentation Abnormalities
 Session Title: Patient Safety and Quality Improvement
 Date and Time: 08/01/2018 | 4:30PM — 6:00PM
 Presenting Author: Eduard Schreibmann

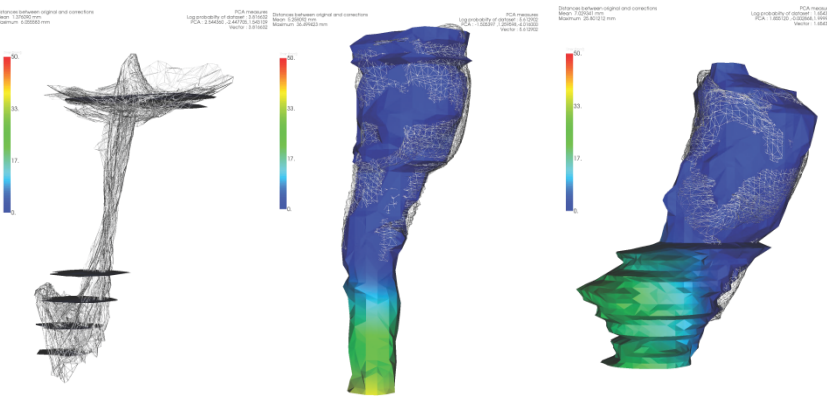


Compact mathematical representation of shape variations through PCA analysis

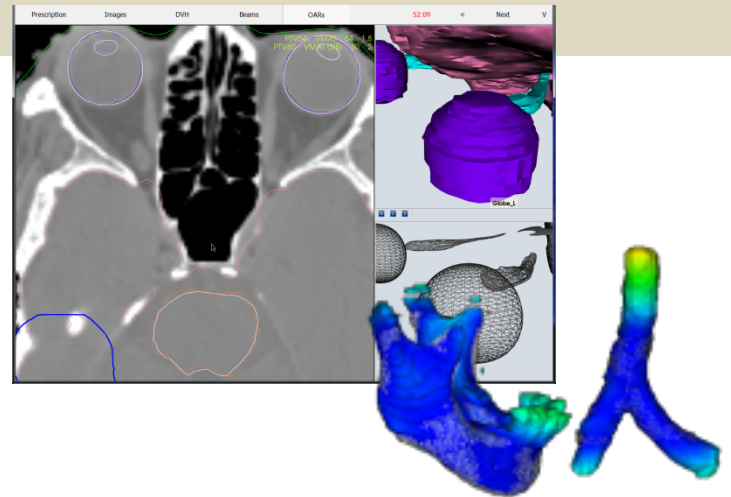


Statistical shape model of organ variations

Can we use shape models for segmentation QA ?



Segmentations automatically flagged as erroneous. Detects obvious and subtle shape anomalies.



Implemented for many OARs and Integrated with QA software