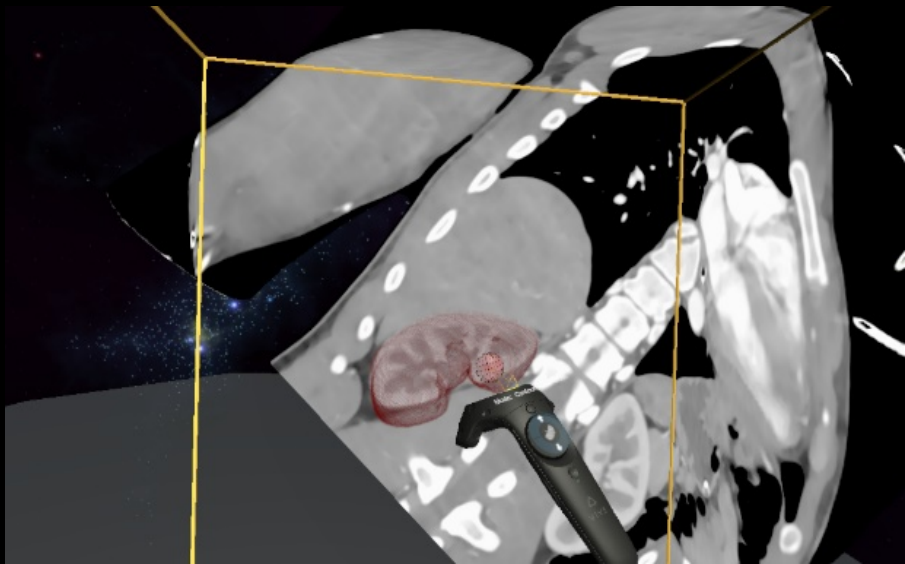


A Virtual Reality Platform for Medical Imaging Analysis and Radiation Therapy Planning

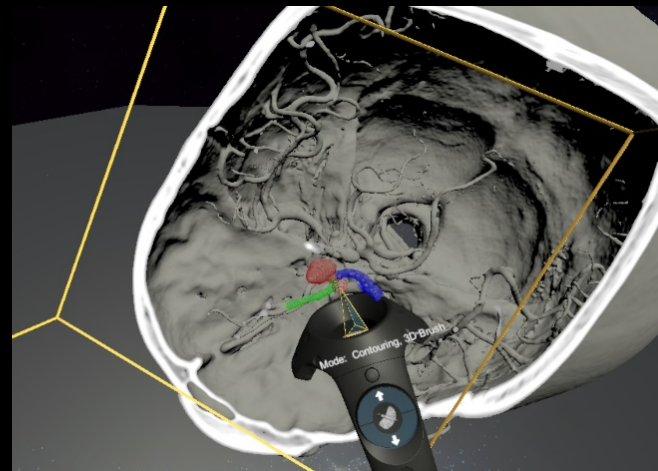
Christopher Williams PhD* & Konstantin Kovtun MD

Brigham & Women's Hospital, Dana-Farber Cancer Institute and Harvard Medical School

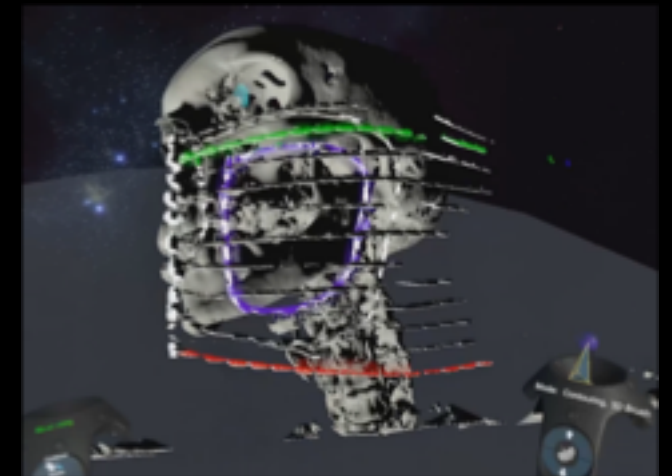
Advanced Computing Applications | Monday 07/30/2018 | 4:30PM — 6:00PM



Contouring a kidney using DICOMVR

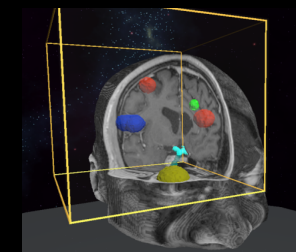


Contouring a brain aneurysm and nearby critical vessels using 3D contouring tools



Digitization and QA of brachytherapy surface applicator catheters

Virtual reality has the potential to change how we interact with complex 3D data. DICOMVR is a new software platform developed in our lab for visualizing and interacting with 3D medical imaging using the current generation of high performance VR headsets (e.g. the HTC Vive). We present our initial work in developing and validating this system for radiation oncology applications.



Videos at: avrolab.bwh.harvard.edu