



UCSF Benioff Children's Hospitals

Revolutionizing neurosurgical patient care

UCSF Benioff Children's Hospitals are using virtual reality to enhance brain surgery training, preparation and patient consultation

To learn more, please visit our booth:



Kurtis Auguste, MD
Pediatric Neurosurgeon

Doctors on Call
Thursday, May 13
11:30 am–12:00 pm CT

Dr. Auguste successfully completed beta testing of VR technology created by Surgical Theater of Ohio at UCSF Benioff Children's Hospital Oakland in 2018, and has fully integrated VR into both pre-operative surgical planning and in the operating room.

UCSF Benioff Children's Hospitals are the first in Northern California to implement virtual reality for pediatric neurosurgical patients.

- Our pediatric neurosurgeons can now take patients on a 360-degree virtual tour of their anatomy, rendered from CT and MRI scans. This provides the patient, their family and the entire health care team with an interactive shared decision-making opportunity regarding their treatment plan.
- This innovative technology provides our neurosurgeons with a never-before-seen vantage point of the anatomy and pathology of their patients' complex neurologic conditions. It also serves as a powerful medical education tool.
- The Surgical Theater visualization platform is also essential to the team when planning the surgical approach as well as navigating through the procedure in the operating room.

ucsfbenioffchildrens.org/brain

VR

Precision VR® by Surgical Theater is a novel visualization platform that allows patients and their surgeons to step into the patient's complex diagnosis and to walk together in a 360-degree, Virtual Reality reconstruction of the patient's anatomy. This shared "walk-in" inside the pathology is proven to increase patient satisfaction, improve patient engagement and reduce outmigration.

