



About Nicklaus Children's Hospital

Founded in 1950 by Variety Clubs International, Nicklaus Children's Hospital is South Florida's only licensed specialty hospital exclusively for children, with nearly 800 attending physicians and more than 475 pediatric subspecialists. The 309-bed hospital, known as Miami Children's Hospital from 1983 through 2014, is renowned for excellence in all aspects of pediatric medicine with many specialty programs routinely ranked among the best in the nation by U.S. News & World Report since 2008. For more information, please visit nicklauschildrens.org.



**Nicklaus
Children's
Hospital**



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The Cardiovascular Surgery Advanced Projects Laboratory

Scan to Connect



For collaboration and support:

3DPrinting@nicklaushealth.org

Mixed Reality for Surgical Planning

The Cardiovascular Surgery Advanced Projects Laboratory (APL) at Nicklaus Children's is using the Microsoft HoloLens mixed reality platform for surgical planning.

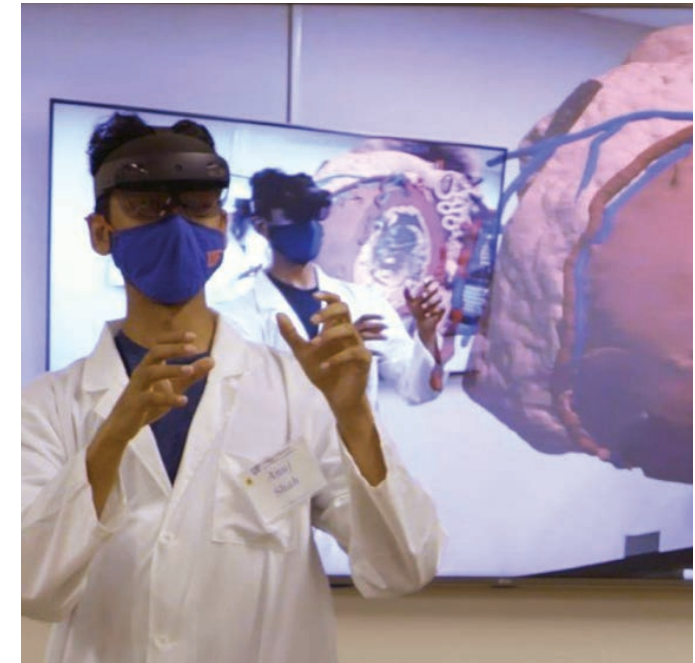


Heart Institute



Mixed Reality for Education

Mixed Reality is a valuable teaching resource which allows students to visualize anatomy like never before.

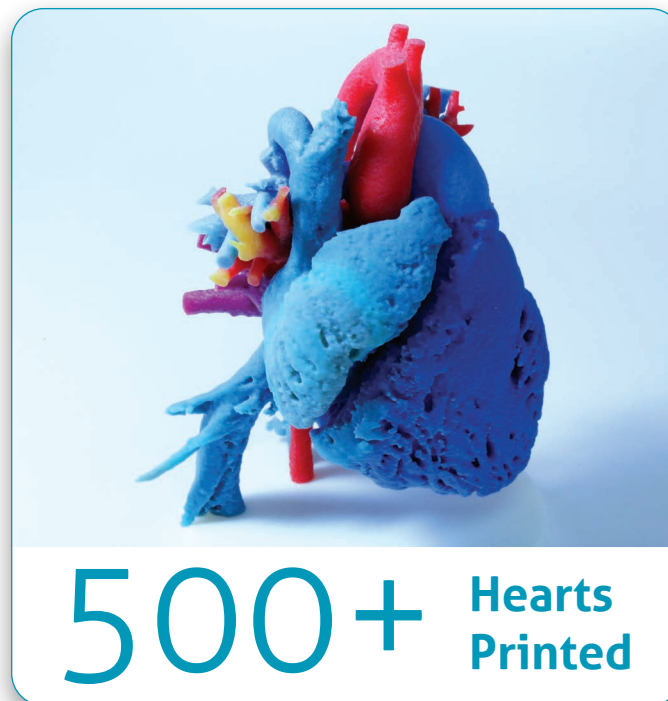


Leaders In...

- Improving patient education
- 3D printing
- Holomedicine
- Mixed reality surgical planning
- Transparency in medicine

3D Printing for Patient Education

The Cardiovascular Surgery APL has delivered hundreds of 3D printed and virtual models to patients and families to empower them with knowledge about their diagnosis and plan of care.



86%

Of medical students who participated in a daylong laboratory utilizing hybrid mixed reality and cadaver organs found the experience valuable.