



“3D PrintViz” Laboratory: UC Davis’s Medical 3D Printing and Visualization Laboratory

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Teaching Points: With the recent advances in the 3D printing technology, more and more medical practitioners have adopted this powerful tool to assist them in delivering individualized high-quality patient care especially for complex and challenging cases.

The aim of this work is to provide an overview of Medical 3D printing at UC Davis, introducing the technology, highlighting the current and potential medical 3D printing applications, and addressing some of the challenges and frequently asked questions about this cutting-edge technology at UC Davis.

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- Introduction to 3D printing
- 3D printing in Medicine
- 3D PrintViz lab’s Case use examples
- Applications:
 - Education of trainees
 - Education of patients
 - Surgical planning & Simulation
 - Creation of Devices
 - Bioprinting
- Augmented Reality
- Challenges
- Frequently asked questions (FAQs)

