Biography

Dr. Sakti Srivastava trained as an orthopedic surgeon and is currently Associate Professor in Department of Surgery at Stanford University School of Medicine. He serves as Division Chief of Clinical Anatomy and his research focuses on educational methodologies and surgical technologies. Dr. Srivastava has special interest in immersive and simulation-based training for clinical skills acquisition, and he directs the new Research in Surgical Education and Technologies program. Dr. Srivastava also serves as Co-Director for the Goodman Surgical Simulation Center at Stanford.

Abstract: Interactive, 3D Virtual Anatomy
Study of Anatomy is a fundamental aspect of training healthcare professionals worldwide. Traditional cadaver-based courses provide strong visual and kinesthetic learning, and continue to be the gold standard. Recent advances in digital technologies allow the creation of a rich immersive experience for learners. Virtual models can be rotated, tilted, magnified, sliced, cut, and put back together repeatedly, to enhance understanding and retention. A library of normal and abnormal cases can be used to complement and supplement traditional teaching. This content can be easily made available to anyone, anytime, anywhere, and promotes life-long learning for healthcare professionals.