

UpSkill Services

# Cinematic Anatomy

Your virtual learning experience in anatomy education



Traditional anatomy education can prove challenging for medical students with only 2D illustrations and cadavers available to understand the complex structure of a body. Also, the performance of a clinical institution can be reduced through inefficient interdisciplinary exchange. And patient loyalty can be lost due to insufficient and incomprehensible patient communication.

Cinematic Anatomy is an immersive application designed to improve teaching anatomy, facilitate scientific and interdisciplinary interaction between medical stakeholders, and help increase patient communication. Based on the volume-rendering algorithm Cinematic Rendering, the application delivers photo-realistic 3D visualization of anatomy with true depth and form perception.

## Benefits at a glance:



**Enhance learner's competency** with photo-realistic visualization of real patient cases, using DICOM data from CT and MRI scans



**Enhance workforce productivity** with visually supported communication among peers



**Sustain patient loyalty** with improved 3D visualization of anatomical problems and operations during patient information



**Further possibilities** thanks to stereoscopic 3D visualization with 3D glasses

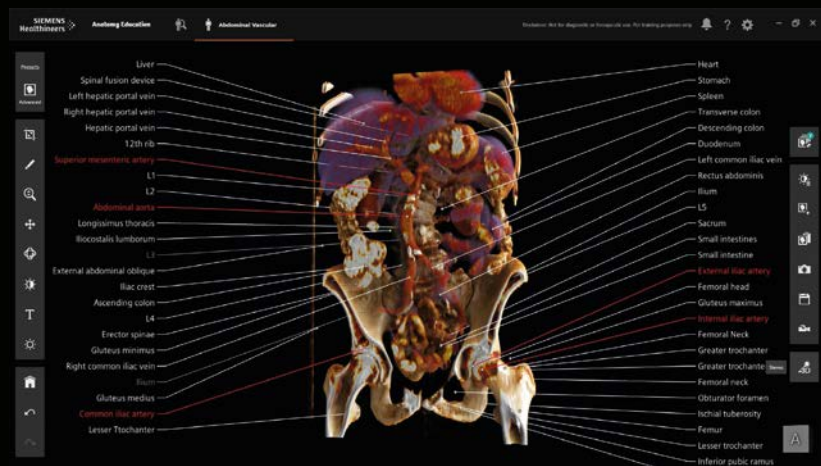


*"I am totally convinced that Cinematic Anatomy must and will become an integral part of anatomy education. The quality of the visualization of structures and tissues with Cinematic Rendering is amazing. It allows vibrant lectures and helps deepen the understanding of three-dimensional anatomical structures with its photo-realistic visualization."*

Prof. Dr. Michael Scholz, Anatomical Institute Friedrich-Alexander University Erlangen, Germany



Photo-realistic visualization of the thyroid gland and bones in the head and neck area with Cinematic Rendering<sup>1</sup>



Cinematic Anatomy supports adding annotations to depicted structures and their visualizations in different contexts – online, offline, or as large projection in the lecture hall



To optimally visualize a clinical question, Cinematic Anatomy offers numerous intuitive tools



CT visualization of a tumor in the right lung using Cinematic Rendering<sup>2</sup>

## Interested in Cinematic Anatomy?

Please contact your local Siemens Healthineers representative

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<sup>1</sup> Courtesy of Radiologie im Israelitischen Krankenhaus, Hamburg, Germany  
<sup>2</sup> Courtesy of Fakultní nemocnice, Plzeň, Czech Republic

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