MEDIVIS

AnatomyX

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Anatomy, Augmented.

A revolutionary AR platform created to transform how students learn anatomy.

Current technology in anatomy visualization

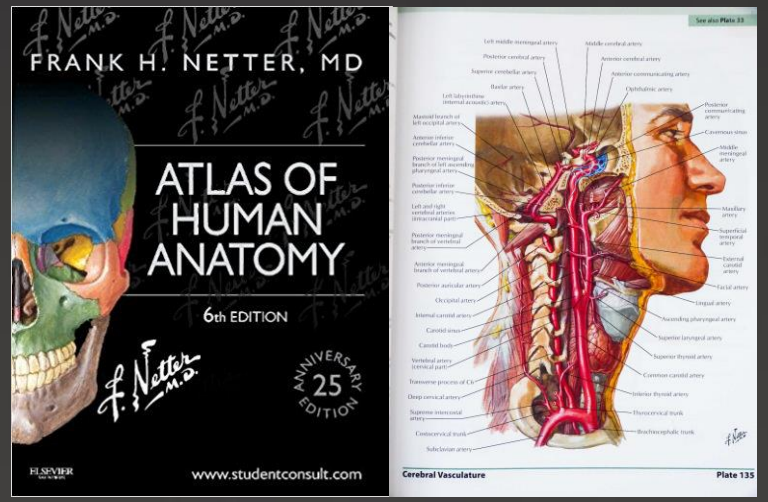
Cadavers/Models

Limited accessibility.

Difficult and expensive to maintain.

No dynamic isolation of systems/regions.

Textbooks/Atlases



Limited visuospatial understanding.

Lack of interactivity with lessons.

Overwhelming number of labels.

Digital Content

Recycled “3D” content on 2D monitors.

Limited multiuser engagement.

Poor clinical correlation.

The vision behind AnatomyX

A next-generation solution which benefits all members of an institution.

Students

Accelerates learning

Unparalleled engagement including peer-to-peer learning

Track personal performance

Professors

Anatomically accurate

Holographic sharing allows professors to teach directly

Monitor progress with dashboards

Administration

Superior value

Differentiate through use of cutting-edge technology

Improve satisfaction and outcomes

MEDIVIS + MICROSOFT

Bringing a transformative leap in medical education with HoloLens technology.

Voice Commands

Gesture Controls

Holographic 3D Graphics

Spatial Mapping

Gaze Tracking

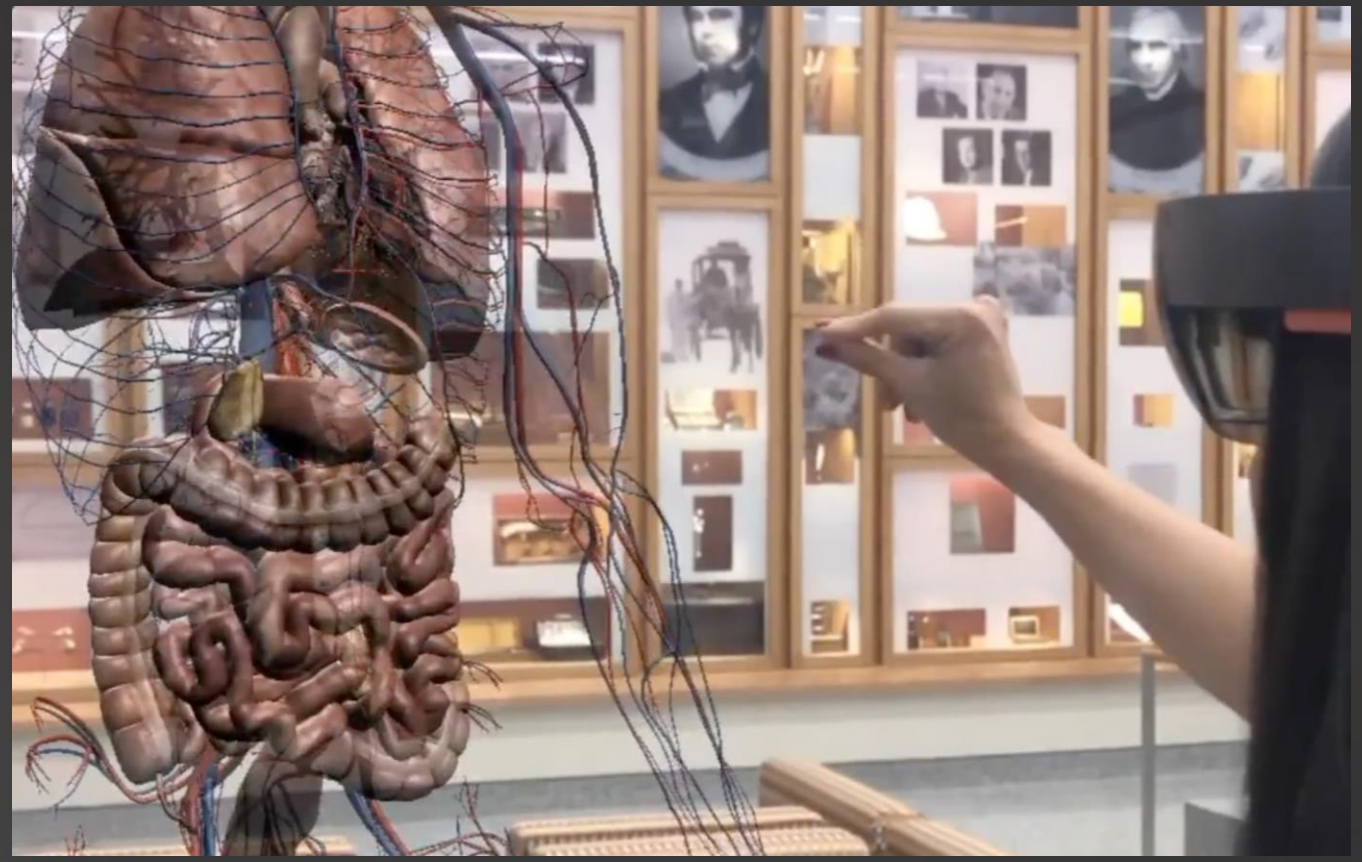
Spatial Audio

Rich & Immersive Content

The human anatomy has been comprehensively organized into fifteen systems and eight regions.

Thousands of anatomic models meticulously crafted from radiographic (CT/MRI) data.

Holographic rendering with high-resolution textures for photorealistic quality.



Collaborative Learning

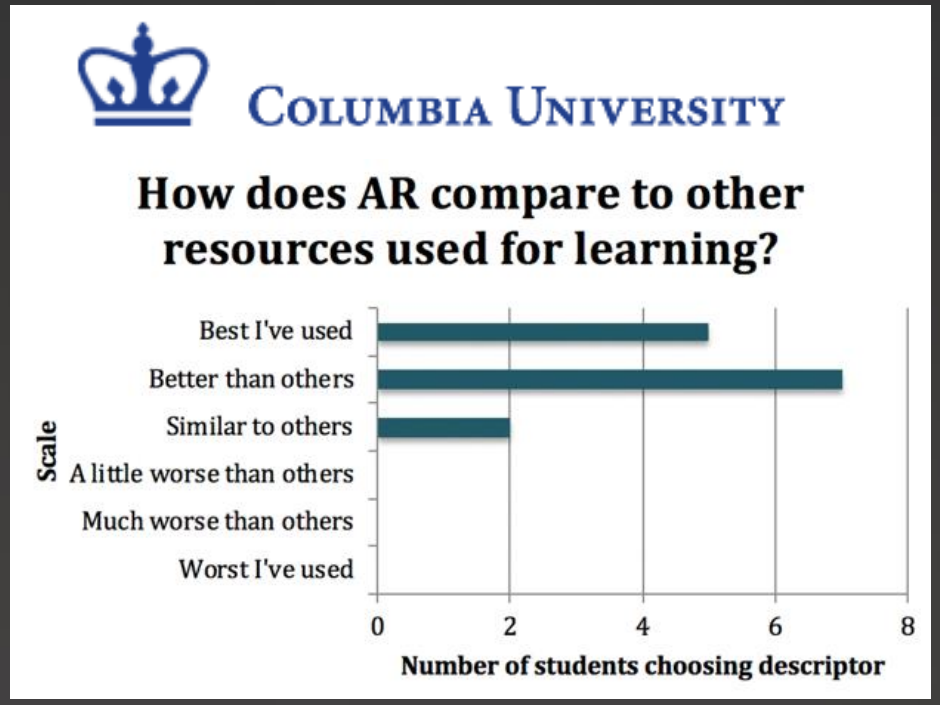
Real-time holographic sharing between students/professors.

Holographic flashcards and customizable quiz assessments of varying complexity levels.

Dynamic visualization of all structures including ability to isolate, dissect and expand.

The Impact of Holographic Medical Education

Figure 7: Student and instructor in the Mary & Michael Jaharis Simulation Center during the structured learning module portion of the 90-minute teaching sessions.



- Country's first pilot study
- After **1 session,** 87% of students asked for formal integration of AR into the curriculum

The Impact of Holographic Medical Education

WEST COAST UNIVERSITY
Founded 1909

- Country's largest nursing school
- Trial of 60 students during the first half of 2018
- Students with AR exposure performed a full letter grade (10 points) higher on standardized exams
- 90% of students reported that their learning was fundamentally enhanced.

Custom storage and charging stations for 30 of the universities 100 HoloLenses

AnatomyX at your institution

Our team of engineers, modelers, educators, and designers all work to create the most powerful AR education experiences for your institution.

Pilot partnerships to assess the quantitative and qualitative enhancements to the student educational experience.

Our customers have complete access to our growing library of content and comprehensive technical support to ensure success.