SynDaver
Beyond Human

Anatomy Model G2

SynDaver® Labs is the world leader in high-fidelity synthetic human and animal modeling—and we are building on this lead with tissue and anatomy enhancements across all product lines. Our second generation (G2) SynDaver Anatomy Model features improved accuracy in muscular origins and insertions, higher fidelity in organ systems, and greater durability in vascular and nervous structures.

Anatomy and other health science classes worldwide are replacing inadequate plastic models and unsafe human and animal cadavers with the SynDaver Anatomy Model, which is made from materials that mimic live human tissue instead of dead tissue.

Affordable

SynDaver products are less expensive than cadavers over the course of their service life, and they may be repaired and upgraded indefinitely.

Long-Lasting

With proper care, SynDaver Anatomy Models will last indefinitely, providing decades of trouble-free use.

Humane

SynDaver Synthetic Humans are an ethical alternative to using live animals or animal cadavers for anatomy education.

Safe

SynDaver products are biohazard and formaldehyde-free, and they pose no health risk to those who handle them.

Effective

Since SynTissue® mimics live tissue (made from water, fibers and salts), it delivers realistic training without the dangers posed by cadavers.

PRODUCT LABEL REFERENCE

1. Jugular Vein
2. Thyroid Cartilage
3. Superior Vena Cava
4. Heart
5. Diaphragm
6. Liver
7. Gall Bladder
8. Greater Omentum
9. Uterus
10. Femoral Artery & Vein
11. Sartorius
12. IT Band
13. Patella
14. Tibialis Anterior
15. Tibia
16. Saphenous Nerve
17. Inferior Extensor Retinaculum

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"Vinny, our SynDaver Anatomy Model, has been a tremendous asset to our A&P and Health Science students. Vinny provides a level of realism which leads to a deeper understanding of anatomy that most of our students would never be able to achieve if not for having access to a manikin of this caliber.

"Vinny affords the opportunity for our students to have hands-on learning experiences with a realistic, life-like human body. This helps to motivate and engage our students as well as heightening their comprehension of how the body functions. With proper direction from a facilitator, this can easily lead to practical problem-solving skills (critical thinking) and long-term knowledge retention."

Jackie Langford
Director of Healthcare Simulation
COLLIN COLLEGE

"We purchased four SynDaver Anatomy Models two years ago for use in our Anatomy labs, and have used them every semester since their purchase. We have found them to be excellent—really just perfect for our large (or small) Anatomy and Physiology classes. The students want to spend most of their time on the SynDavers, rather than the static plastic human models.

"The students and faculty are not only enjoying them, our students have been scoring about 10 points higher on the muscles exam as well as the internal organs/vessels/nerves exam using the SynDaver when compared to exam scores with cat dissection."

Mary McDade
Biology Department Instructor
University of Northern Iowa

The History of SynDaver

Work on our core technology began in the mid-90s. Initial studies involved simple organs to replace live animals in the testing of airway devices and led to the development of inter-penetrating polymer networks to mimic luminal structures such as vessels. The materials developed in these studies are now used extensively in the medical-device industry as vein and artery mimics.

The Future of SynDaver

SynDaver Labs' revolutionary synthetic human tissue technology continues to develop at a rapid rate. Our upcoming third-generation (G3) SynDaver Synthetic Human will feature even greater fidelity across each body system, cementing SynDaver's lead in anatomy simulation and synthetic human tissue development. Each G3 SynDaver Synthetic Human will include curriculum, digital 3D anatomy reference files, and be available in SynTissue® (wet) synthetic soft tissue, silicone elastomer, or a hybrid of both technologies.