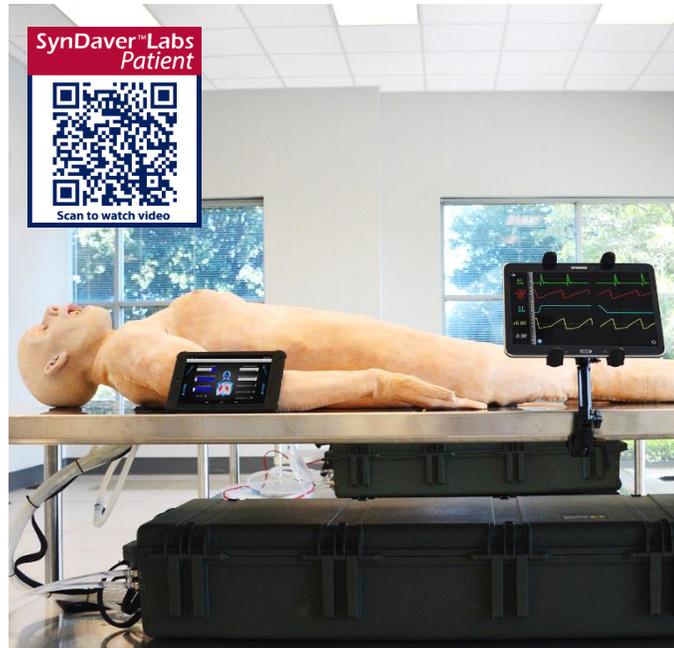


SynDaver Patient

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The SynDaver Patient is the newest addition to our award-winning SynDaver Synthetic Human (SSH) product line. In addition to all of the existing features that have made the Synthetic Human world-famous, the SynDaver Patient also includes an open-source physiology engine that controls body motions and all aspects of synthetic biology.



The Patient's autonomic nervous system controls respiration rate, tidal volume, end-tidal CO₂, heart rate, heart waveform, arrhythmia, systemic vasoconstriction, body temperature, blink rate and pupil dilation. This means that the body will react to injury and medical intervention exactly as a live human would!

The possible interactions between the SynDaver Patient and medical students delivers simulation that was previously only possible in a real-world emergency room or battlefield. In addition, since the physiology engine is open-source, our clients can create their own scenarios. Featured with the physiology engine is the hypovolemic shock scenario and the real time blood loss tracker.

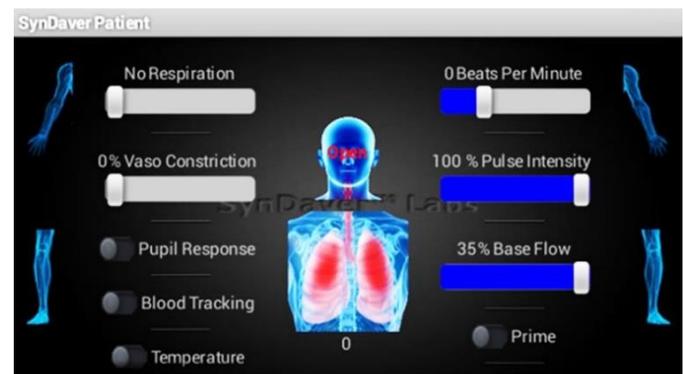
The family of SSH products has been used in a wide variety of procedures including open-heart surgery, coronary bypass and stent placement (both femoral and radial approach) with fluoroscopy, chest tube placement, tracheotomy, carotid endarterectomy, cricothyrotomy, infusion port placement, central line placement with ultrasound, angioplasty, appendectomy, embolectomy, endoscopic surgery with insufflation, femoral cutdown with closure device and hundreds of other procedures.

Extraordinary Features

The SynDaver Patient is the world's only full body surgical simulator that combines the ability to operate on any part of the body, synthetic human tissues, animated limbs and an open-source physiology engine. The SynDaver Patient is quite simply the most advanced hands-on medical simulator that the world has ever seen.

Included Components

Animated full body with skin, storage and transport container, battery-powered life support equipment, wireless tablet computer to control body motions and physiology engine and physiology display.



Computer Interface

The system includes wireless control and display tablets with native SynDaver software. Controls include body motion (limbs), respiration rate, tidal volume, end-tidal CO₂, heart rate and waveform, arrhythmia, vasoconstriction, temperature, blink rate, and pupil dilation. The separate physiology display follows heart rate, blood pressure, respiration, end-tidal CO₂ and temperature.

Customization

A variety of pathologies and injuries are available - based on patient images, CAD drawings or simple descriptions. Client may also select gender and skin tone.

Imaging Equipment

System is compatible with ultrasound, fluoroscopy, x-ray, and CT imaging equipment.

Surgical Equipment

System is compatible with all known surgical devices including lasers, RF ablation, plasma knives, sonic blades and cryocatheters, as well as bipolar, monopolar and harmonic devices.