

SIM Medical

EpiSIM



EpiSIM represents a new generation of medical training devices, where science and engineering come together to create realism in training. Advanced technique used to create a real-time simulation of the patient. State-of-the-art haptic feedback system to provides an authentic tactile feeling. Advanced graphics to clearly demonstrates the needle insertion with the patient. Complemented with the analysis tool, EpiSIM provides a complete solution for demonstration, training, and results. The EpiSIM can be incorporated into a teaching & examination module to better prepare the trainee for “clinical practice”.

Sim Medical is a leading manufacturer of high tech haptic feedback medical simulation hardware and software. Sim Medical leverages success in the aviation industry and brings this technical expertise to the medical training field.



Benefits

- High fidelity haptic feedback trainer for manual skills training
- High quality to scale anatomic 3D models
- Model driven force feedback
- Thoracic and Lumbar training
- Midline and paramedian approach training
- Integrated loss of resistance system
- Student feedback scoring system

Technical Specifications

Simulated Procedure	Epidural
Unit Type	All in one
Real Time PC	Linux
Graphics PC	Windows 10
Peripherals	Keyboard, Mouse, Monitor
Loss of resistance	Silent pressure regulating valve/Reservoir
Force Feedback	3x high precision feedback controller
Motor	3x high precision motors
Power	240/110V 50-60Hz input
Needle	Custom 80mm Tuohy needles
Models	Standard (Female Standing, Female Sitting)