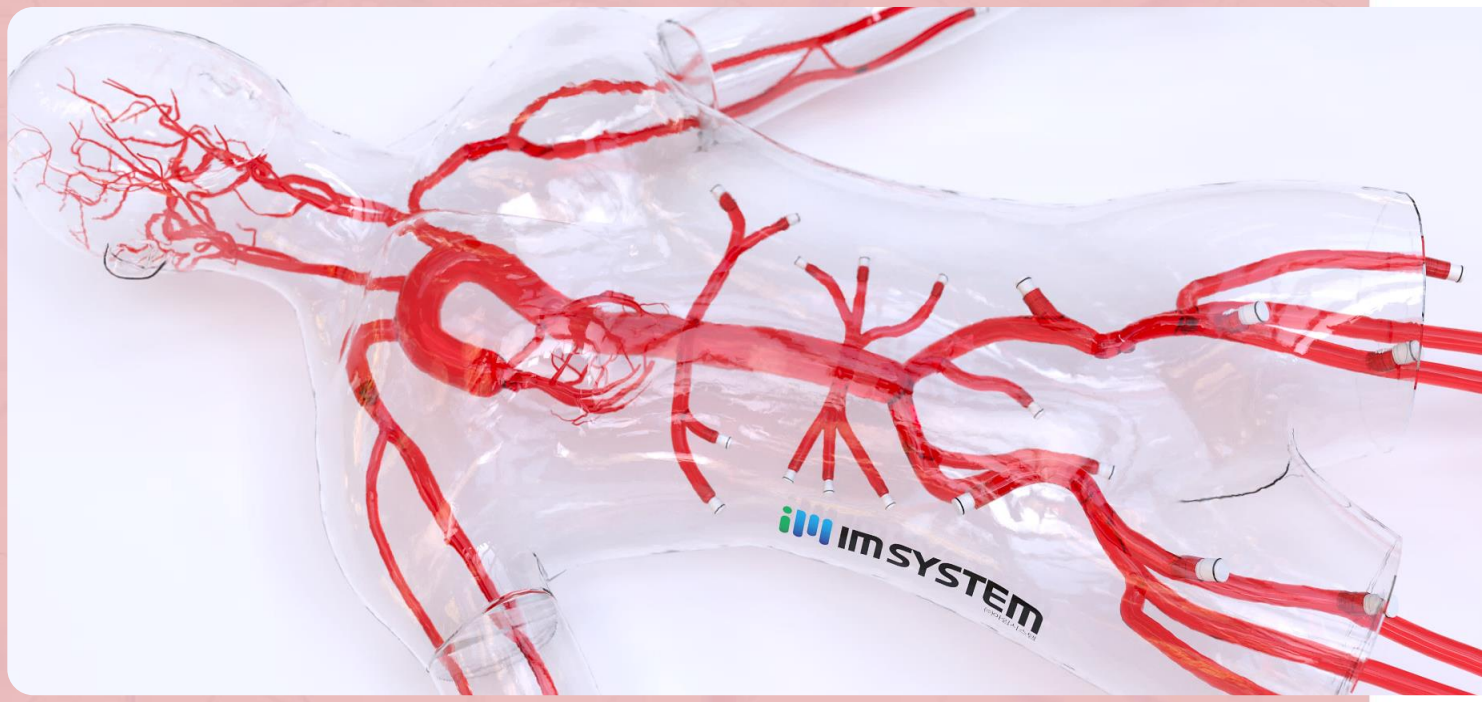
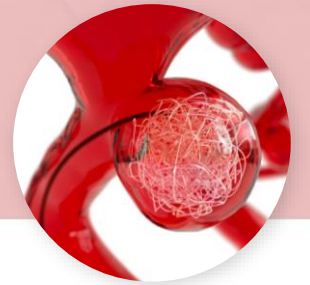
SIMULATE BLOOD VESSEL

3D_VASCULAR _SIMULATOR

BIOMIMETIC 3D VASCULAR NETWORK
SIMULATOR FOR TRAINING



Aneurysm



Guidewire procedure

Stent procedure

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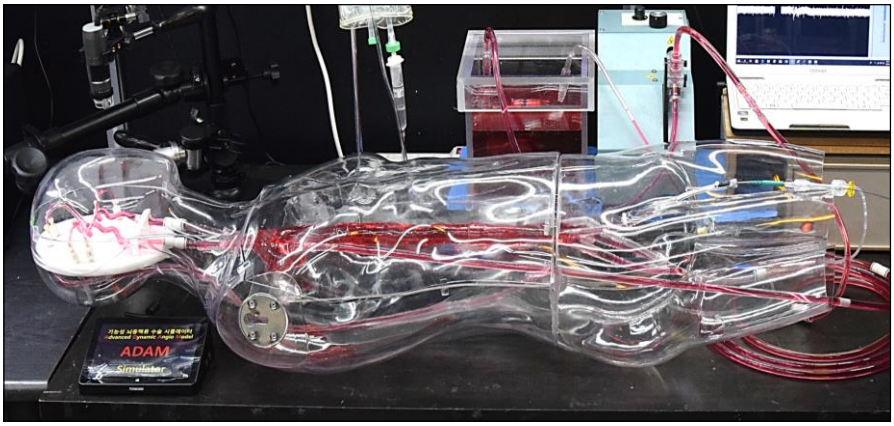
IMSYSTEM
㈜아임시스템

3D Vascular Simulator



- A 3D vascular simulator is a product that reflects the structure and functional and biological characteristics of actual blood vessels, and can be manufactured in various types of blood vessel disease.
- In addition, it provides a feeling and environment similar to that of actual blood vessel procedures, so it can be used for vascular intervention training and demonstration of related medical devices.

Features of 3D vascular simulator

Lubricious coating

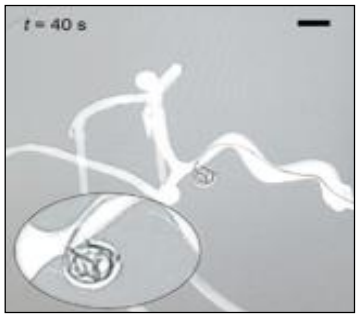
- Friction coefficient similar to that of real blood vessels
- Tactile sensation replicating real blood vessels

Compatibility with X-ray

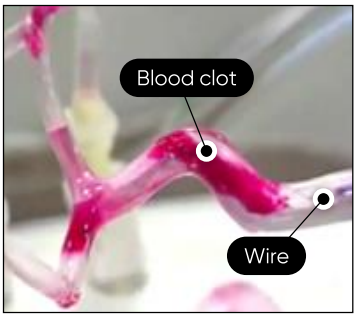
- Compatible with X-ray imaging systems
- Compatible with angiography systems

Various applications

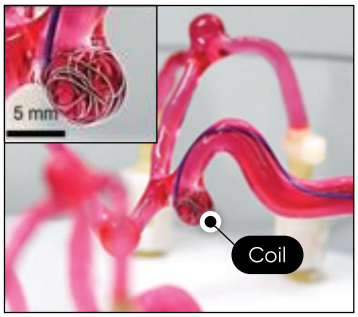
- Simulation of coil embolization
- Simulation of thrombectomy
- Equipped with a pulsatile pump



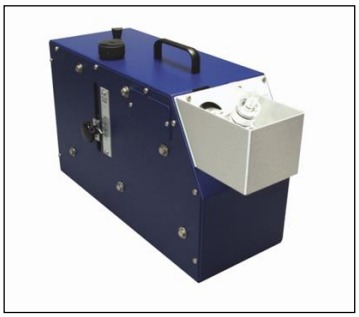
Compatibility with X-ray



Demonstration of thrombus removal



Coil embolization demonstration

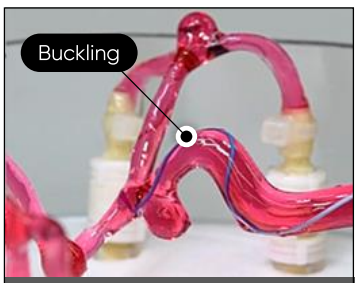


Pulsatile Pump

Lubricious coating

Differences with or without internal lubricious coating of blood vessels

With lubricious coating



Without lubricious coating

- The internal lubricious coating prevents the buckling phenomenon that does not advance due to bending of the vascular treatment tool.
- Provides a feeling similar to actual vascular intervention due to the internal coating