



MedVision

为生命而创新



www.medvisiongroup.com.cn

AngioVision

Surgical Simulator

外科手术模拟器



MedVision

Diagnostic and Surgical Skills In Angiography

血管造影术的诊断与手术技巧



Real-feel surgical simulation
具有真实感的手术操作模拟





AngioVision 外科手术模拟器

AngioVision is a surgical simulator for the acquisition and retainment of endovascular skills. It is suitable for radiology, cardiology and neuroradiology training programmes and presents users with real endovascular instruments and an extensive module library.

With its highly realistic and detailed anatomy, simulated physics, haptic feedback for tissue resistance, and radiocontrast agent spreading; users can master and perfect their endovascular skills in preparation for real surgical procedures.

AngioVision是一种外科手术模拟器，用于习得和锻炼血管内操作技能。它可用于放射学、心脏病学和神经放射学培训课程，为用户提供真正的血管内仪器和广泛的模块库。

具备高度逼真、清楚细致的解剖结构、模拟物理学、根据组织阻力提供触觉反馈，并能实现放射性造影剂的扩散效果；用户可以通过它掌握并完善其血管内操作技术，为真正的外科手术做准备。

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AngioVision标准版



Device Simulation

- More than 30 virtual endovascular instruments
- Imitation of a real C-arm control panel
- Real-time tracking for movement and rotation

Virtual OR

- Suitable for radiology, cardiology and neuroradiology training
- DSA (Digital Subtraction Angiography)
- X-ray imaging in positive and negative with our 3D mode
- A set of virtual hints and guides and step-by- step instructions

Educational Features

- Individual user profiles
- Detailed log of all actions performed
- Course of basic skills training
- C-arm operation training
- Work with real endovascular instruments
- Work with a wide range of virtual instruments
- Customisable training courses
- Extensive educational content
- Standardise, structure and complement hands-on skills training

器械模拟

- 30多个虚拟血管内器械
- 模拟真实的C形臂控制面板
- 实时跟踪运动和旋转动作

虚拟手术室

- 适用于放射学、心脏病学和神经放射学 培训
- 数字减影血管造影 (DSA)
- 使用3D模式进行正、负X射线成像
- 提供虚拟提示、指南和分步说明

教育特色

- 个人用户表
- 执行的所有操作的详细记录
- 基本技能培训课程
- C形臂操作训练
- 使用真正的血管内器械操作
- 使用各种虚拟仪器
- 可定制的课程
- 广阔的教育内容
- 规范、组织和补充实践技能培训

- One-piece ergonomic stand
- Two mounted Full HD monitors for X-ray and CINE
- Real-time catheter tracing unit
- Intuitive and simple touch screen controls
- Adjustable stand height
- Mobile

- 一体式人体工学支架
- X射线和磁共振电影成像设备
- 配有两个全 高清显示器
- 实时导管追踪装置
- 触摸屏操作直观简单
- 支架高度可调
- 可移动

AngioVision智能版

- Compact and portable for easy set-up at workshops and conferences
- Touch-sensitive FullHD monitor for all menu controls and high-quality visuals
- Real-time 3D tracking of all catheters
- Haptic feedback system for tissue resistance

- 小巧轻便，便于在学习班和会议上安装
- 触摸式全高清显示器，支持所有菜单控制和高 质量视觉效果
- 实时三维跟踪所有导管
- 基于组织阻力的触觉反馈系统



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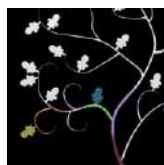
Library of Modules 模块库

Basic Course

基础课程



Catheter Training
导管操作训练



Guidewire Training
导丝操作训练



Embolization Coils Training
栓塞弹簧圈操作训练



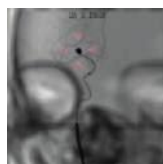
Angiographic Projections
血管造影



Coronary Projections
冠状动脉投影

Intracranial Interventions

颅内干预



Intracranial Aneurysm Embolization
颅内动脉瘤栓塞术



Cerebral Stenting
脑血管支架成形术



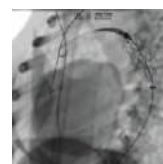
Ischemic Stroke
缺血性脑卒中

Aortic Aneurysm Repair

主动脉瘤修复术



Endovascular Aneurysm Repair
血管内动脉瘤修补术



Thoracic Endovascular Aneurysm Repair
胸部血管内动脉瘤修补术

Uterine Fibroid Embolization

子宫肌瘤栓塞术



Advanced Coronary Stenting

高级冠状动脉支架植入术



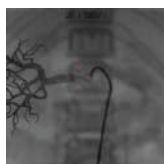
Balloon angioplasty and stenting

球囊血管成形术和支架植入术



Carotid Stenting

颈动脉支架植入术



Renal Stenting

肾支架植入术



Coronary Stenting

冠状动脉支架植入术



Iliac Stenting

髂动脉支架植入术



SFA Stenting

股浅动脉支架植入术

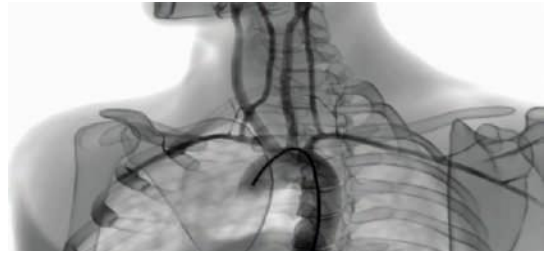


Below-the-knee Stenting

膝下动脉支架成形术

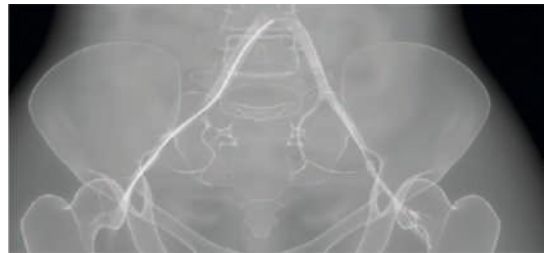
Realistic X-Ray

- During the fluoroscopy, the X-ray image reflects the corresponding changes in the current projection of the C-arm and the patient position
- Heartbeat and breathing affect the displayed image
- Realistic contrast spreading depending on the catheter position
- The intensity of the fluoroscopic image corresponds to the volume of the introduced contrast agent, speed of injection and time interval from the moment of injection



具备真实感的X射线操作

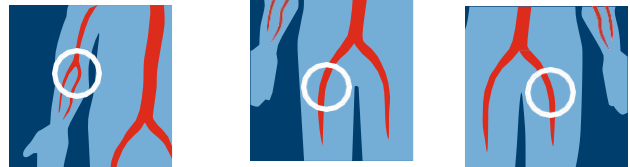
- 在透视检查过程中，X射线图像反映了C型臂当前投影和患者位置的相应变化
- 心跳和呼吸会对显示的图像产生影响
- 根据导管位置显示真实的造影剂扩散情况
- 透视图像的强度与引入造影剂的体积、注射速度和从注射开始的时间间隔相对应



Access Points

- Three access points (right radial, right femoral, left femoral)
- Simultaneous work with multiple access points
- Change the access point during the intervention

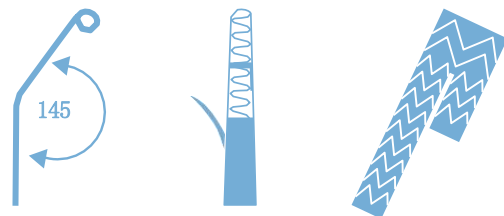
接入点



- 三个接入点（右桡骨、右股骨、左股骨）
- 在多个接入点同时工作
- 在干预期间更改接入点

Library of instruments

- In each exercise, several endovascular instruments can be used during the procedure.
- The software does not limit the choice of instrument within the procedure.
- More than 30 instrument types are available in the virtual library.
- During the simulation of endovascular procedures, realistic endovascular instruments such as catheters and guidewire are used as their real counterparts.



仪器库

- 在每次练习中，可以在手术过程中使用几种血管内器械。
- 软件不限制手术过程中仪器的选择。
- 虚拟库中有30多种仪器类型可供选择。
- 在血管内手术的模拟过程中，使用真实的血管内器械，如导管和导丝，作为其真实对应物。

Have you seen our patient simulators? 看看我们不同适用年龄阶段的
患者模拟器



Leonardo
成人模拟器



Mia
新生儿模拟器



Arthur
儿童模拟器

MedVision is an innovative and fast-growing company that specializes in designing and manufacturing high-fidelity medical simulators and having more than nine years of history in the development of medical simulation equipment.

MedVision是一家创新和快速发展的公司，专业设计和制造高保真医疗模拟器，在医疗模拟设备的开发方面拥有超过9年的历史。





服务

我们知道您在教育项目上做出了巨大的投资，因此我们设计了充分的服务解决方案，从选择正确的模拟器到将其完全集成到您的模拟项目中，我们在每一个步骤都提供了帮助。

无论是产品安装、预防性维护、故障排除还是维修，我们的团队都将帮助您优化模拟器的全部功能，帮助您高效地实现项目的目标。

有关我们服务方案的进一步信息，请联系您的区域代表。

联系我们

请发送电子邮件与当地区域代表联系：

poyton@poyton.cn



作为一家国际公司，MedVision一直致力于通过模拟促进医疗保健领域的优质教育发展。我们利用创新设计和尖端技术打造各种模拟器，包括成人、儿童、新生儿和手术模拟器。欲了解更多关于我们产品的信息，请联系您当地的区域代表。

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