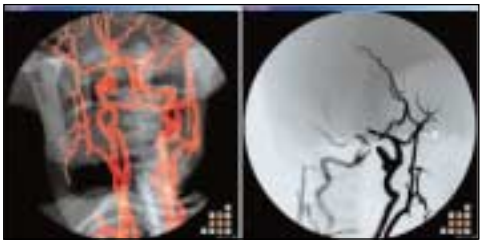
Procedicus VIST Cerebral Angiography

COMPANY	Mentice AB
PHONE	(858) 487-6116
WEB	www.mentice.com

KEY FEATURES

- Cerebral anatomy from real patient data
- Cerebral angiography can be performed with flush and selective diagnostic catheters
- Hands-on training of complete carotid procedure, including cerebral diagnostic angiography

To increase the realistic quality and allow the user to practice all aspects of a carotid intervention, Mentice AB (Gothenberg, Sweden) has added Cerebral Angiography to the currently available Carotid Stenting module of its Procedicus VIST. Mentice reports that the module now includes virtually all steps of a procedure, such as inserting the 0.035-inch guidewire, doing arch angiograms with flush catheters, cannulating the desired vessel with a selective catheter, allowing for selective angiograms of the cerebral vessels, etc., as well as the actual intervention using protection devices, balloons, and stents. The user can practice not only the manual skills of handling catheters, wires, protection devices, balloons, and stents, but also the important sequencing of products and performance of cerebral angiography.



The initial content scenarios developed for the Procedicus VIST simulator focus on coronary, carotid, and renal stenting, as well as lead placement for pacing applications. The simulation is combined with a haptic tactile interface to give the user a natural, correct way to interact with the simulation. In addition, there is an instructional system coupled to the simulation that provides a framework for learning.

Cannon II Plus Catheter

COMPANY	Arrow International, Inc.
PHONE	(800) 523-8446
WEB	www.arrowintl.com

KEY FEATURES

- Retrograde tunneling allows for exact tip placement
- Carbothane construction provides broad range of antiseptic compatibility
- V-Tip promotes unsurpassed flow rates and improved patient outcomes
- Procedural components intended to minimize the incidence of sharps-related injuries

Arrow International (Reading, PA) will soon be offering the Cannon II Plus dual-lumen retrograde tunneled chronic hemodialysis catheter. The catheter will be available in five different procedural sets: 24, 28, 32, 36, and 55 cm. Conventional hemodialysis catheters are placed using an antegrade technique. This technique might ordinarily result in catheter kinking, migration, and malpositioning; according to Arrow, retrograde tunneling with Cannon II Plus minimizes these complications and allows for fast and exact tip and cuff placement resulting in improved outcomes. In addition, the Cannon II Plus is constructed of Carbothane polyurethane, which allows the dialysis staff to use a broad range of antiseptic site-care agents such as alcohol, Chloraprep, and Bactroban.

OEC 9800 MD

COMPANY	GE Healthcare
PHONE	(800) 874-7378
WEB	www.gemedical.com

KEY FEATURES

- Motorized C-arm movement
- Tableside physician control panel
- Enhanced heat management
- Improved patient throughput

The OEC 9800 MD Endovascular Imaging System (GE Healthcare, Salt Lake City, UT) combines motorized C-arm movements with 1k X 1k high-resolution imaging chain. GE describes the system as a fully integrated endovascular imaging system that meets any clinical challenge, while providing superb image quality, increased productivity, dose control, and optimal use of staff and resources. Endovascular specialists using the OEC 9800 MD have full control of all C-arm imaging and positioning functions and can capture exceptional vascular detail. "This is how all procedures in the OR should be performed—this system is great," said Takao Ohki, MD, PhD, Chief of Vascular and Endovascular Surgery at Montefiore Medical Center.

The company states that the OEC 9800 MD is the cornerstone of the cost-effective endovascular imaging suite. Its fully motorized motion allows tableside surgeon control and optimizes valuable staff and resources in the surgical suite.

Zilver 518 Biliary Stent

COMPANY	Cook, Inc.
PHONE	(800) 457-4500
WEB	www.cookgroup.com

KEY FEATURES

- 5-F compatible
- Deliverable over a 0.018-inch wire guide
- Enhanced visibility under fluoroscopy

The Zilver 518 Biliary Stent (Cook Incorporated, Bloomington, IN) is a flexible, self-expanding, nitinol design intended to treat patients with malignant neoplasms in the biliary system. The device provides physicians with a 5-F-compatible, lower-profile system delivered over an 0.018-inch wire guide to facilitate its use in smaller lumens.

The Zilver 518 incorporates the company's patented Z-Stent cell design for optimal radial strength while maintaining a strong, equally distributed radial force throughout the stented area of the vessel. Cook states that the fine, mesh-slotted tube Zilver stent design displays excellent kink resistance with the flexibility needed in the biliary duct upon deployment. The combination of the Zilver 518's multiple gold, radiopaque markers at each end enhance visibility under fluoroscopy and its 0% foreshortening during deployment allow the clinician to place the Zilver stent with great precision using Cook's Flexor delivery system.

Xceed Biliary Stent

COMPANY	Abbott Vascular Devices
PHONE	(800) 222-6883
WEB	www.abbottvasculardevices.com

KEY FEATURES

- Single-handed delivery system utilizing FreeStyle Technology for deployment ease and accuracy
- Combines a 6-F crossing profile with a flexible stent and catheter design to provide access to difficult anatomy
- Stent designed to evenly distribute strain and reduce the likelihood of single points of failure (fractures)

Abbott Vascular Devices (Redwood City, CA), which launched US commercial operations of its Endovascular Technologies unit in January 2004, recently announced the FDA clearance and commercial availability of the Xceed Nitinol Self-Expanding Biliary Stent System. The device's novel design incorporates advances to benefit both stent delivery and implant performance.

Xceed is the first commercially available device from Abbott Vascular Devices to incorporate FreeStyle Technology, a series of components that combine to provide for accurate single-handed deployment, even in tortuous anatomy. Abbott Vascular Devices engineers utilized Finite Element Analysis, a testing method used to predict the distribution of strain across a design, as an integral part in the design process to reduce the likelihood of single points of failure (fractures). The stent design also ensures consistent wall coverage and radial strength, while allowing for considerable flexibility, the company states. The Xceed Nitinol Stent is available in 5-, 6-, 7-, and 8-mm diameters and lengths up to 80 mm.

AccuTouch Endovascular Simulation System

COMPANY	Immersion Medical
PHONE	(301) 984-3706
WEB	www.immersion.com/medical

KEY FEATURES

- Risk-free transfer of knowledge
- Variety of cases provides broad experience
- 24/7 availability accelerates learning, reduces costs
- Realistic training improves patient safety, reduces risk
- Force feedback makes it feel real

With Immersion Medical's (Gaithersburg, MD) AccuTouch Endovascular Simulation System, doctors independently or as a team, practice and learn sensitive and critical cardiovascular procedures in a risk-free environment. This training environment increases patient safety while reducing risk and cost. Intended for training percutaneous coronary interventions (PCI), this new system replicates the look and feel of balloon angioplasty and stenting with realistic graphics and haptics.

Immersion comments that the AccuTouch Endovascular Simulator System lets clinicians use the same tools they would use in the real PCI process. Leading cardiologists participated in the design of the haptics and worked to replicate the appropriate resistance for each stage of the procedure. At the end of a training session, detailed evaluations note all user actions including actual procedure times, devices used, and many other metrics that describe the user's technique. ■