CLOSURE AND ASSISTED-COMPRESSION DEVICE

CLOSURE DEVICES

Company	Product	Type	Puncture Size (F)
Abbott Vascular Devices	Perclose Auto-Tie	Suture	5 - 8
	Perclose Closer S	Suture	5 - 8
	Perclose ProGlide	Suture	5 - 8
	Perclose Prostar	Suture	6.5 - 10
AccessClosure, Inc.	Matrix VSG System	Hydrogel Sealant	5 - 7
Cardiva Medical, Inc.	Boomerang Closurewire	Arteriotomy Tamponade	5, 6
DataScope	Elite	Advanced Collagen Plug	5 - 8
	VasoSeal Low Profile	Collagen Plug	4, 5
	VasoSeal VHD	Collagen Plug	8 or smaller
	X-SITE Vascular Closure System	Suture	6 or smaller
Medtronic	AngioLink Vascular Closure System	Staple	6 - 8
Rex Medical	Auto-Close	Low-Profile Nitinol Clip	5 - 8
Sutura	SuperStitch	Polypropylene	6 - 8
St. Jude Medical	Angio-Seal	Mechanical Seal	6, 8
Therus / Boston Scientific	Therus Noninvasive Hemostasis System	Acoustic Hemostasis	4 - 8
Vascular Solutions	Duett	Thrombin/Collagen Procoagulant	5 - 9

ASSISTED-COMPRESSION DEVICES

Company	Product	Type	Puncture Size (F)
Abbott Vascular Devices	Chito-Seal	Topical Hemostasis Pads/Patches	All
Datascope	Safeguard (12, 24 cm)	Pressure-Assisted Dressing	All
InterV	V+Pad	Topical Hemostasis Pads/Patches	All
Marine Polymer Technologies	Syvek Patch, SP, NT	Topical Hemostasis Pads/Patches	All
RADI Medical Systems	FemoStop Plus	Mechanical Compression Devices	All
	FemoStop HD	Mechanical Compression Devices	All
	RadiStop	Mechanical Compression Devices	All
Scion CV / Medtronic	Clo-Sur Plus P.A.D.	Topical Hemostasis Pads/Patches	All
St. Jude Medical	StasysPatch	Topical Hemostatic Pad/Patch	All
TZ Medical	Neptune	Topical Hemostasis Pads/Patches	All
	Comfort Band	Compression Strap	All
	QuicKlamp	Mechanical Compression Devices	All
	EZ Hold	Compression Devices	All
	Disco Discs	Compression Devices	All
Vascular Solutions	D-Stat Dry	Thrombin-coated Topical Hemostasis Pad	All
	D-Stat Radial	Topical/Mechanical Device With Thrombin	N/A
	D-Stat Clamp Accessoty	Topical/Mechanical Device With Thrombin	All

Maximum Wire Compatibility (inch)	FDA Cleared	CE Mark	Comments
N/A	Yes	Yes	N/A
N/A	Yes	Yes	N/A
N/A	Yes	Yes	N/A
N/A	Yes	Yes	N/A
N/A	No	Yes	Synthetic, nonthrombogenic material for extravascular closure. Designed to resorb within 30 days and leave nothing behind.
Works through existing sheath	Yes	Yes	Easily deployed device for a broad range of patients that provides quick ambulation without risk of implant complications.
N/A	Yes	Yes	A one-size-fits-all, extravascular closure device indicated for use in interventional and diagnostic procedures in highly anticoagulated patients and those with PVD.
N/A	Yes	No	Available in five kit sizes for angiography procedures.
N/A	Yes	Yes	Extravascular closure. Available in seven kit sizes for interventional and diagnostic procedures.
.038 or smaller	Yes	Yes	New suture-based closure without intra-arterial mechanical components. Low-profile design. Proven in highly anticoagulated patients, including GP IIb/IIIa.
.038	Yes	Yes	Extraluminal closure. Does not impede blood flow at the access site. Inert and highly biocompatible material results in patients comfort and does not limit reaccess. Rapid deployment and learning curve (Spring 2005 release).
.038 or smaller	No	No	Low-profile nitinol clip technology with resorbable patch. US launch expected in Q4 2006; international launch expected in Q1 2006.
N/A	Yes	Yes	Through the sheath, true 6-F and 8-F suture delivery. Simple as 1-2-3 design. Does not enlarge arteriotomy. Fall 2005 expected release of 12/16 F and 18/24 F.
6 F - .035; 8 F - .038	Yes	Yes	STS Plus and STS Platform available in the US. Millenium Platform also available outside the US.
All	No	In clinical trials	Uses precisely delivered, high-intensity focused ultrasound to close femoral arteriotomies. Mechanism independent of PVD, vessel size, and vessel location. Reaccess possible. No foreign body left behind. US launch expected in 2007, CE Mark in Q1 2006.
N/A	Yes	Yes	Does not upsize arteriotomy.

Maximum Wire Compatibility (inch)	FDA Cleared	CE Mark	Comments
N/A	Yes	Yes	N/A
N/A	Yes	Yes	For posthemostasis management. Provides adjustable, hands-free pressure via an integrated, transparent, inflatable bulb, allowing visibility of the site. Now in two sizes.
All	Yes	Pending	High positive charge attracts negatively charged red blood cells. This process accelerates hemostasis and other bleeding wounds. Reduces manual compression times while providing a visual indicator that hemostasis is occuring.
All	Yes	Yes	Indicated for rapid hemostasis at the vascular access site including patients on anticoagulation therapy.
All	Yes	Yes	Precise and consistent compression while allowing immediate reaccess to the femoral site.
All	Yes	No	Includes a sterile, hemostatic dressing impregnated with m*doc. Deep and topical hemostasis and immediate reaccess to the femoral site.
All	Yes	Yes	Support plate provides comfortable and efficient positioning of the wrist and mechanical compression and stabilization of the radial artery.
All	Yes	Yes	High positive charge attracts negatively charged red blood cells. Water-soluble. Noninvasive PAD is only device FDA approved as an antimicrobial barrier PAD.
All	Yes	Yes	Provides safe and rapid hemostasis. Reduces manual compression time.
All	Yes	Yes	Calcium alginate wound dressing that facilitates hemostasis after catheterization. Available with Disc or standard 2X2 pad.
All	Yes	No	Radial/brachial strap. Comes sterile or nonsterile, with or without Neptune calcium alginate.
All	Yes	No	To be used with the Neptune Disc or Disco Discs. Inexpensive alternative to holding manual pressure.
All	Yes	No	To be used with the Neptune Disc or Disco Discs. Weighted, T-shaped handle provides an alternative to manual pressure and eliminates the long-term effects associated with holding. Reusable.
All	Yes	No	Works with all clamp systems on the market. Inexpensive single-use item.
N/A	Yes	Yes	N/A
N/A	Yes	Yes	N/A
N/A	Yes	No	N/A