

ASSISTED COMPRESSION DEVICES

Company Name	Product Name	Type	Puncture Size (F)	Maximum Wire Compatibility	FDA Approved	Comments
Abbott Vascular	Chito-Seal	Topical hemostasis pads/patches	All	N/A	Yes	Chito-Seal is coated with Abbott's proprietary Chitosan Gel, which consists of positively charged chitosan molecules that attract negatively charged red blood cells and platelets; when placed over the puncture site, Chito-Seal's cell binding ability expedites clot formation and accelerates hemostasis
Angiotech Interventional	V+Pad	Topical hemostasis pads/patches	All	All	Yes	Promotes platelet aggregation to D-glucosamine enriched fibers and exposed collagen at puncture site; platelet degranulation stimulates the body's natural clotting cascade in the intrinsic pathway forming a rapid platelet plug resulting in hemostasis
Datascope	Safeguard (12, 24 cm)	Pressure-assisted device	6	N/A	Yes	Assists manual compression and maintains hands-free pressure; adjustable pressure is applied to wound and access sites via an inflatable bulb contained within an adhesive bandage, allowing visibility of the site; available in two sizes for use anywhere pressure is required
Marine Polymer Technologies	Syvek Patch, SP, NT	Topical hemostasis pads/patches	All	All	Yes	Indicated for rapid hemostasis at the vascular access site, including patients on anticoagulation therapy
	Syvek Excel Vascular Access Hemostasis System	Topical hemostasis pads/patches compression assist device				Includes Syvek Excel patch, compression assist device, sterile wipe, and transparent film dressing
Medrad Interventional/Possis	SafeSeal Hemostasis Patch	Topical hemostasis pads/patches	All	N/A	Yes	Uses MPH Technology, a nontoxic, bioabsorbable, plant-derived desiccant; the MPH microbeads act on the fluid component of blood, causing faster, enhanced clotting at the access site; provides safe and rapid hemostasis even in ACT-compromised patients; reduces manual compression time
Merit Medical Systems	RadStat	Radial hemostasis device	All	N/A	Yes	Immobilizes wrist; includes wrist band with compression disc to compress radial artery
Radi Medical Systems	FemoStop Gold	Mechanical compression devices	All	All	Yes	Integrated Manometer allows for greater ease of use, accurate pressure management, and reduction of the risk of cross contamination
	RadiStop					Support plate provides comfortable and efficient positioning of the wrist and mechanical compression and stabilization of the radial artery
Scion Cardio-Vascular	Clo-Sur Plus P.A.D.	Topical hemostasis pads/patches	All	All	Yes	High positive charge attracts negatively charged red blood cells; helps accelerate control of bleeding when placed over the puncture site; includes anticoagulation therapy patients; water soluble for easy removal; only device FDA cleared as an antimicrobial barrier that protects against organisms that may contribute to hospital-acquired infections

Prepared by the editors of *Endovascular Today* in conjunction with the product manufacturers.

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Scion CV, distributed by Medtronic, Inc.	Clo-Sur P.A.D.	Topical hemostasis pads/patches	All	All	Yes	High positive charge attracts negatively charged red blood cells; water-soluble; noninvasive P.A.D.
Terumo Interventional Systems	TR Band	Radial hemostasis device	All	All	Yes	Transparent hemostasis device allowing for complete visual control; dual-compression balloons provide precise compression of the radial artery to ensure blood return without compromising local nerve structure
TZ Medical	Neptune	Topical hemostasis pads/patches	All	All	Yes	Calcium alginate wound dressing that facilitates hemostasis after catheterization; available in standard 2 X 2 pad or with compression disc; no contraindications
	Comfort Band	Compression strap				Radial/brachial strap; comes sterile or nonsterile, available with Neptune calcium alginate
	QuickLamp	Mechanical compression devices				To be used with the Neptune Disc; alternative to holding manual pressure
	EZ Hold	Compression devices				To be used with the Neptune Disc; weighted, T-shaped handle provides an alternative to direct manual pressure and eliminates pain associated with carpal tunnel; reusable
	Neptune Discs					Original manufacturer; disc with Neptune calcium alginate works with all clamp systems on the market; single-use item
Vascular Solutions, Inc.	D-Stat Dry	Thrombin-based topical hemostasis pad with bandage	All	N/A	Yes	A hemostatic pad with the clotting power of thrombin used as an adjunct to manual compression
	D-Stat Dry Wrap	Thrombin-based topical hemostasis pad with bandage				A precut hemostatic pad with the clotting power of thrombin for use around indwelling lines
	D-Stat Radial	Mechanical compression device with thrombin				Adjustable radial compression band layered with a comfort pad and a thrombin pad
	D-Stat Flowable	Flowable thrombin, collagen and Ca++ hemostat				Thick, yet flowable hemostat that can be used topically on sources of active bleeding; indicated for prepectoral pocket hemostasis after generator implantation
	D-Stat Handle	Mechanical compression tool				A comfortable, ergonomically designed complement to the D-Stat Clamp Accessory
	D-Stat Clamp Accessory	Thrombin-based topical hemostasis pad and comfort pad accessory clamp device				Thrombin-based hemostatic bandage configured for attachment to D-Stat Handle and many other standard clamp devices