

ASSISTED COMPRESSION DEVICES

| Company Name | Product Name | Type | Puncture Size (F) | Max 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 | 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 the Syvek Excel patch, compression assist device, sterile wipe, transparent film dressing |
| Possis Medical, Inc. | SafeSeal Hemostasis Patch | Topical hemostasis pads/patches | All | All | 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 |
| Radi Medical Systems, Inc. | FemoStop HD | Mechanical compression devices | All | All | Yes | Includes a sterile, hemostatic dressing impregnated with m*doc; deep and topical hemostasis and immediate reaccess to the femoral site |
| | RadiStop | | | | | Support plate provides comfortable and efficient positioning of the wrist and mechanical compression and stabilization of the radial artery |

ASSISTED COMPRESSION DEVICES (CONTINUED)

| Company Name | Product Name | Type | Puncture Size (F) | Max Wire Compatibility | FDA Approved | Comments |
|------------------------------------|------------------------|----------------------------------------------------------------------------|-------------------|------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scion Cardio-Vascular | Clo-Sur Plus P.A.D. | Topical hemostasis pads/patches | All | All | Yes | Plus P.A.D. has a high positive charge that 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 |
| Scion CV, distributed by Medtronic | 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 allows 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 facilitates hemostasis after catheterization; available with Disc or standard 2-cm X 2-cm pad |
| | Comfort Band | Compression strap | | | | Radial/brachial strap; comes sterile or nonsterile, with or without Neptune calcium alginate |
| | QuickKlamp | Mechanical compression devices | | | | To be used with the Neptune Disc or Disco Discs; inexpensive alternative to holding manual pressure |
| | EZ Hold | Compression devices | | | | 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 |
| | Disco Discs | | | | | Works with all clamp systems on the market; inexpensive 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 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; now also 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 with comfort pad and coupling device | | | | Thrombin-based hemostatic bandage configured for attachment to D-Stat Handle and many other standard clamp devices |

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