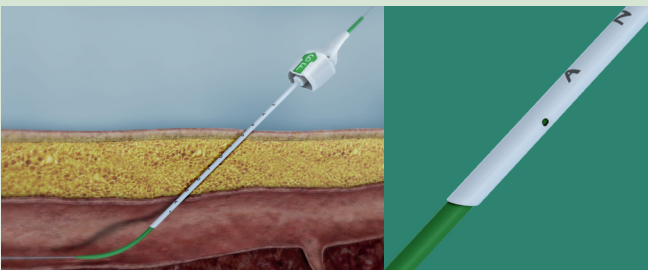


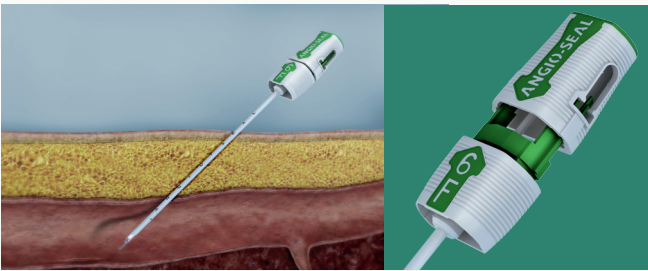
DEPLOYMENT STEPS

for *Angio-Seal™ VIP*



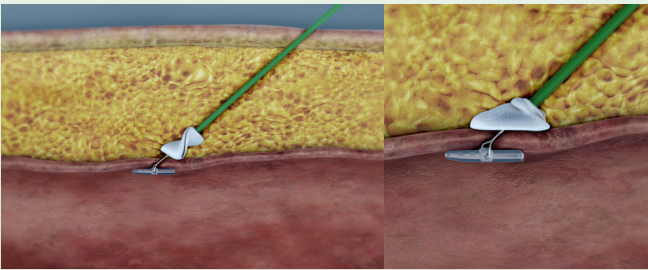
LOCATE THE ARTERY

- Insert the Angio-Seal™ locator and sheath system until blood flows through the drip hole.
- Withdraw and re-insert to confirm correct location into the vessel.
- Remove the locator and wire, leaving the Angio-Seal™ sheath in place.



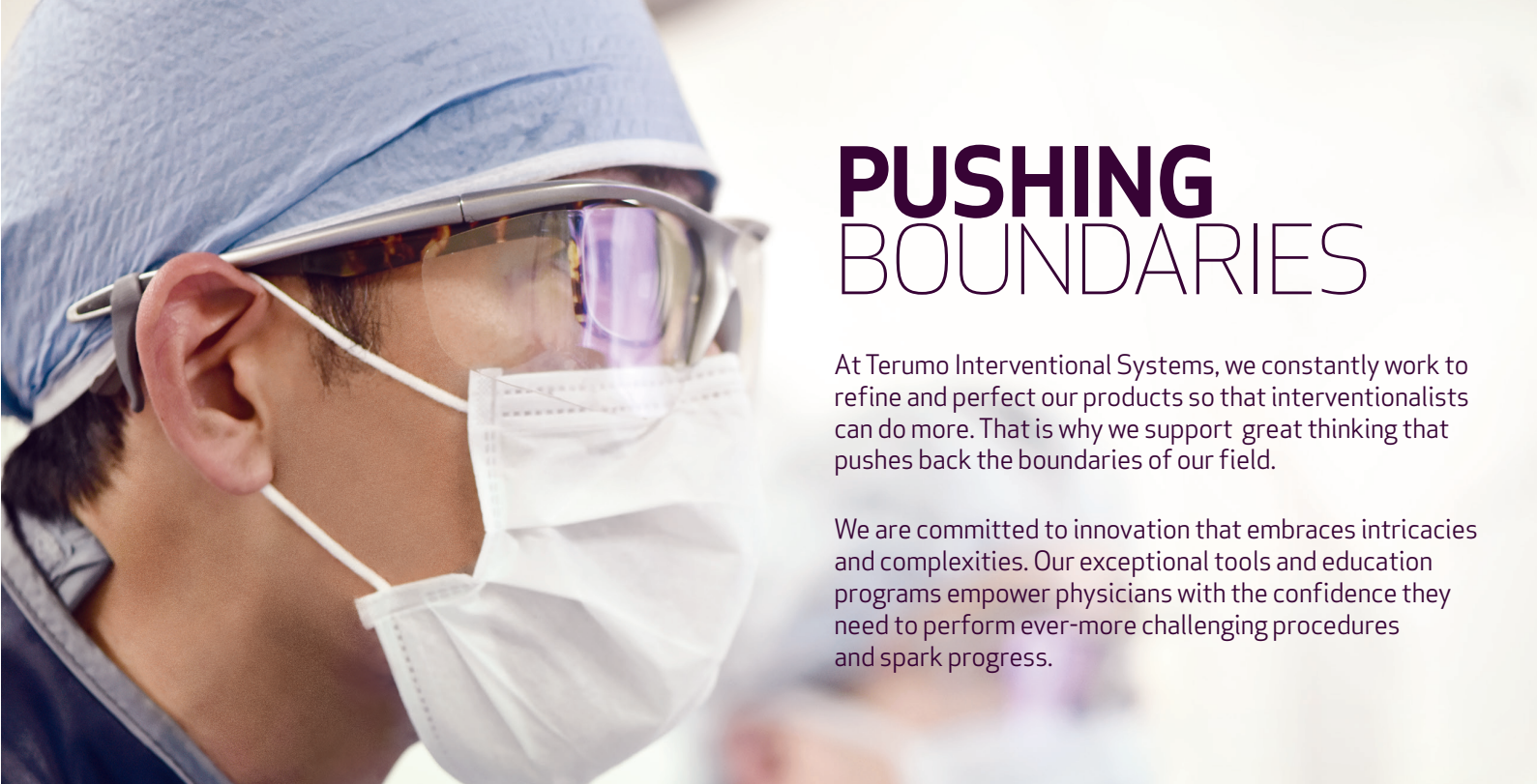
SET THE ANCHOR

- Insert the Angio-Seal™ into the sheath, click into place and click back to set the anchor.



SET THE SEAL

- Pullback the device until the suture stops.
- Grasp the tube to manually compact until reaching the black marker.
- Confirm hemostasis and cut the suture.



PUSHING BOUNDARIES

At Terumo Interventional Systems, we constantly work to refine and perfect our products so that interventionalists can do more. That is why we support great thinking that pushes back the boundaries of our field.

We are committed to innovation that embraces intricacies and complexities. Our exceptional tools and education programs empower physicians with the confidence they need to perform ever-more challenging procedures and spark progress.

Contents: Vascular Closure Device, Insertion Sheath, Arteriotomy Locator and 70 cm Guidewire with “J” Straightener (10 units per box)

EVOLUTION™

Product code	French Size	Guidewire Diameter (in)
C610136	6	0.035
C610137	8	0.038

VIP

Product code	French Size	Guidewire Diameter (in)
610132	6	0.035
610133	8	0.038

STS Plus

Product code	French Size	Guidewire Diameter (in)
610120	6	0.035
610122	8	0.038



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Angio-Seal™

Vascular Closure Device

THE INSIDE ADVANTAGE™

Bioabsorbable + Dual Security

Now, by **TERUMO**
INTERVENTIONAL
SYSTEMS

Angio-Seal™

Vascular Closure Device

The Angio-Seal™ Vascular Closure Device uses **three bioabsorbable components** to actively seal the arteriotomy

- **Anchor**

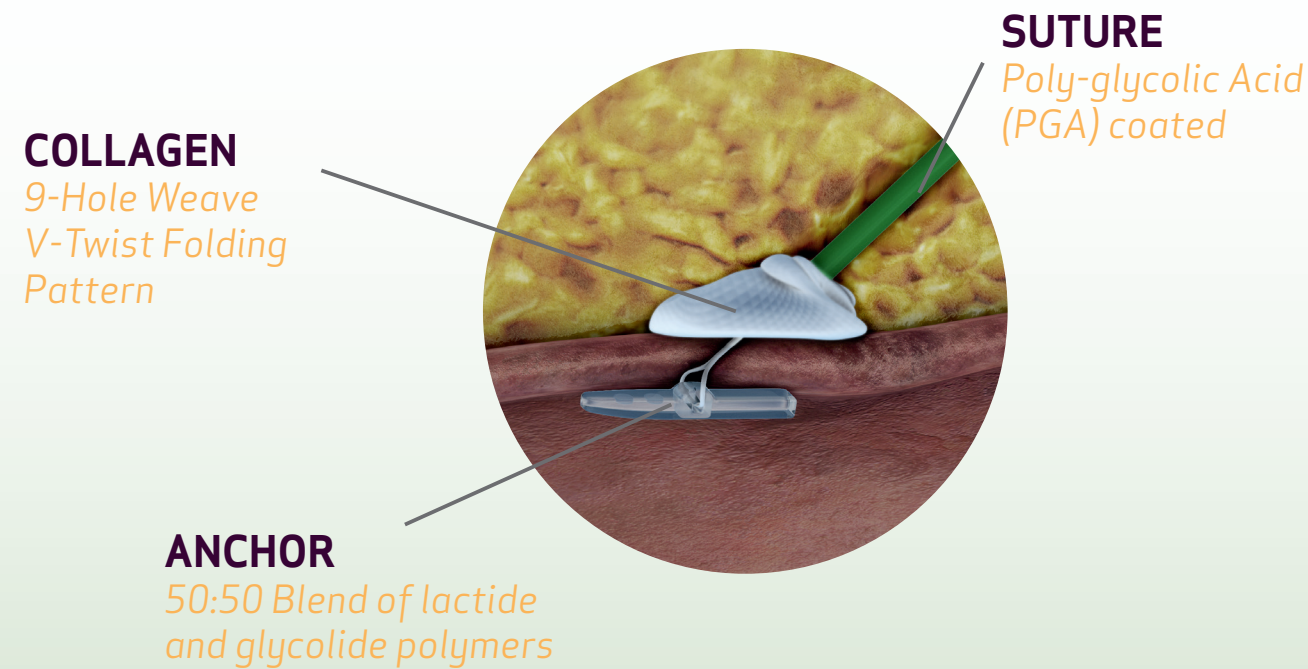
Intravascular: placed against the inside of the vessel wall.

- **Collagen**

Extravascular: placed on top of the arteriotomy in the tissue tract

- **Suture**

Cinches the anchor and collagen together to form a secure seal



THE INSIDE ADVANTAGE FOR SUCCESSFUL HEMOSTASIS

BIOABSORBABLE

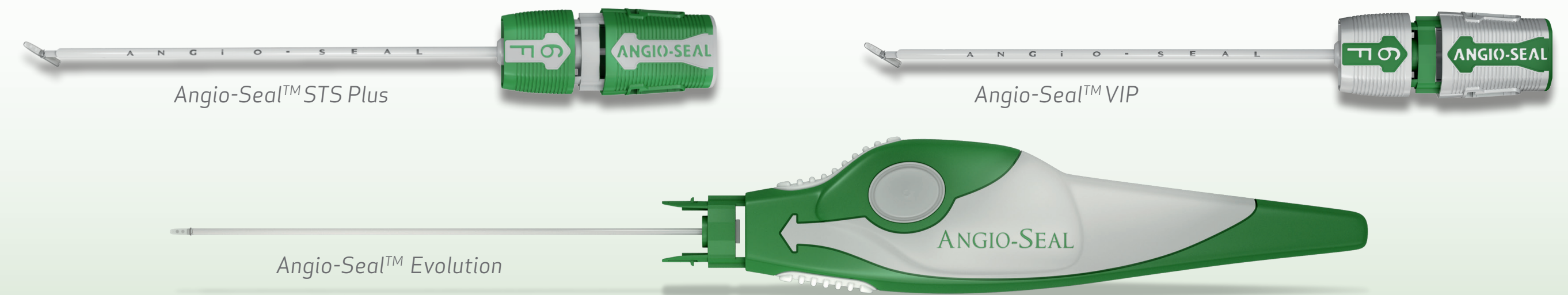
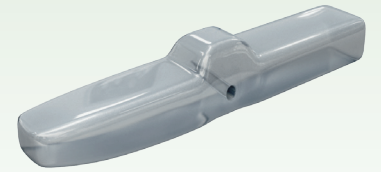
The Angio-Seal active closure anchor gives you the inside advantage. The anchor creates a mechanical seal from the inside out—here's how:

- The anchor supports proper location for a reliable seal and collagen positioning:¹⁻³
 - **99.7%** deployment success¹
 - **97.8%** hemostasis by device¹
- The anchor and seal are bioabsorbed:
 - Fibrin coats the anchor within hours and becomes totally encapsulated in 7–14 days⁴
 - Anchor begins to hydrate and soften 24–36 hours after deployment⁵
 - Anchor is absorbed 95% at 42 days⁶
 - All components are absorbed within 60–90 days⁷
- Arterial flow is not compromised, no evidence of chronic scar tissue or inflammation^{6,8}

DUAL SECURITY

The bioabsorbable Angio-Seal anchor + collagen provides dual security ensuring it is positioned correctly and stays in place.¹⁻³

- **Bioabsorbable Anchor:** Designed to fit closely against the arterial wall, leaving blood flow undisturbed with no residual stenosis.⁶
- **Bioabsorbable Collagen:** Designed to conform to the arteriotomy for confident closure.
- **Bioabsorbable Suture:** Tethers the anchor and collagen together, providing a secure seal.



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2. Kussmaul WG, Buchbinder M, Whitlow PL, et al. Rapid arterial hemostasis and decreased access site complications after cardiac catheterization and angioplasty: Results of a randomized trial of a novel hemostatic device. JACC. 1995;25(7):1685-92.
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4. Kensey KR. Puncture site hemostasis. J Invasive Cardiol. 1994;6(8):273-6.

5. Angio-Seal PMA 930038. Section V Technical Information, 55.
6. Tellez A, Cheng Y, Yi GH, et al. In vivo intravascular ultrasound analysis of the absorption rate of the Angio-Seal vascular closure device in the porcine femoral artery. EuroIntervention. 2010;5(6):731-6.
7. Nash JE, Evans DG. The Angio-Seal hemostatic puncture closure device. Herz. 1999;24(8):597-606.
8. Aker UT, Kensey KR, Heuser RR, et al. Immediate arterial hemostasis after cardiac catheterization: Initial experience with a new puncture closure device. Cathet Cardiovasc Diagn. 1994;31(3):228-32.