

Cordis **EXOSEAL**®

Vascular Closure Device

CORDIS EXOSEAL® VCD



Maximise Clinical Safety*.

The novel approach
to secure and easy closure.

* Clinical data from the "ECLIPSE Trial" indicates safety in terms of vascular injury, access site-related bleeding, infection or nerve injury, new ipsilateral lower extremity ischemia or SAE. Wong et al JACC Cardiovasc Interv. 2009 Aug;2(8):785-93.

Cordis®
PART OF THE JOHNSON & JOHNSON FAMILY OF COMPANIES

Access, Diagnose and Treat with the Complete Line of Products and Services from Cordis

Since 1959, Cordis has been a leader in the market offering best-in-class access, diagnostic and treatment solutions. Over the past four decades, our product offering has grown to become one of the largest in the industry. With high performing solutions to help support sustained patient outcomes, Cordis has become the full-line partner of choice.

Why EXOSEAL®?

The Novel Choice.

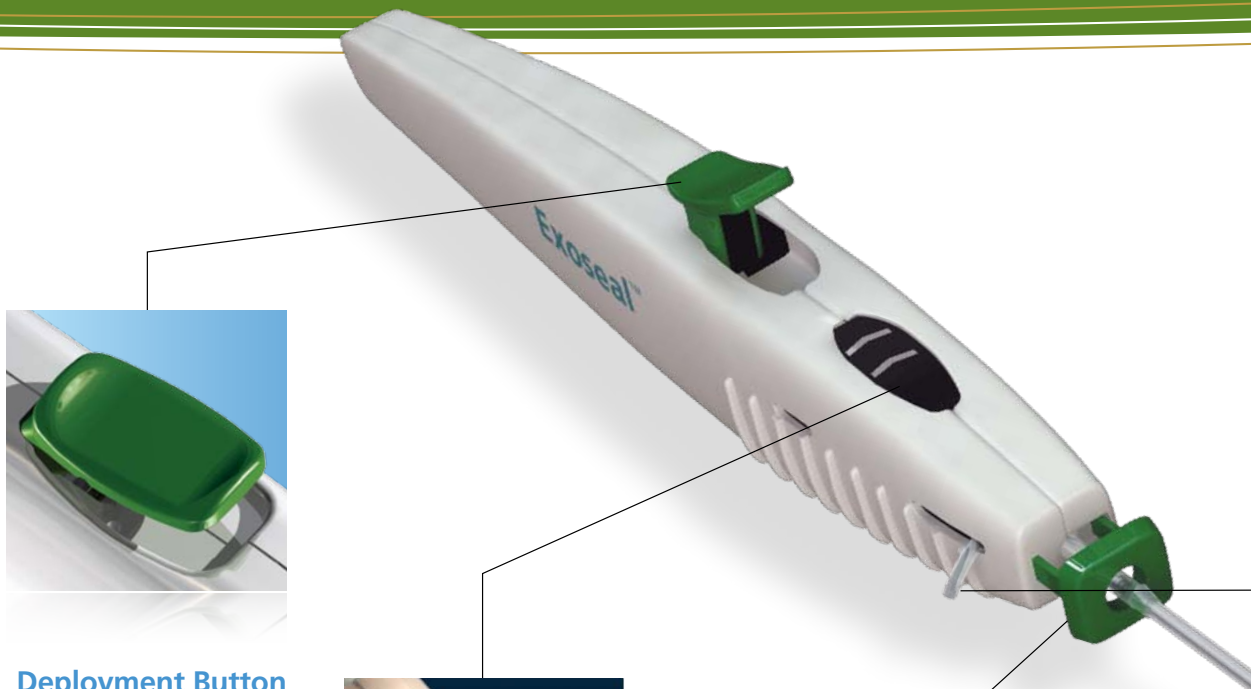
Introducing the Cordis EXOSEAL®
Vascular Closure Device.

Combining clinical *safety**
and *ease-of-use*, the Cordis
**EXOSEAL® Vascular Closure
Device** means a more confident
close and improved patient
outcomes.

- Easy-to-Use Functionality
- Trusted Bioabsorbable Technology
- Precise Extravascular Closure
- Excellent Clinical Results*

*Clinical data from the "ECLIPSE Trial" indicates safety in terms of vascular injury, access site-related bleeding, infection or nerve injury, new ipsilateral lower extremity ischemia or SAE.
Wong et al JACC Cardiovasc Interv. 2009 Aug;2(8):785-93.

Product Features



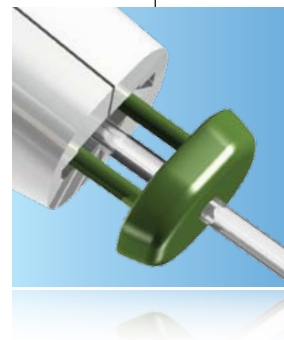
Deployment Button

Lockout feature reduces risk of intravascular plug deployment.



Indicator Window

Provides indication of extravascular position before deployment.



Sheath Adapter & Wire Loop Release

- Compatible with introducer sheath (sheath exchange not required):**
 - Minimises chance of infection and inflammation → Maximises patient comfort.

Cordis **EXOSEAL**® Closure Device provides

**Compatible with sheaths up to 12 cm. Please consult IFU for further details.

Cordis **EXOSEAL**®

Vascular Closure Device

Maximise Clinical Safety* in Closure

Designed for accurate placement, secure extravascular deployment and reduced complication rates.*



Bleed-Back System

Provides visual indicator for secure extravascular plug deployment.

PRODUCT FEATURES

Indicator Wire

Nitinol indicator wire provides gentle and precise feedback to ensure extravascular plug placement.

precise and secure extravascular arterial closure.

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Bioabsorbable Technology

Clinically **Safe*** and

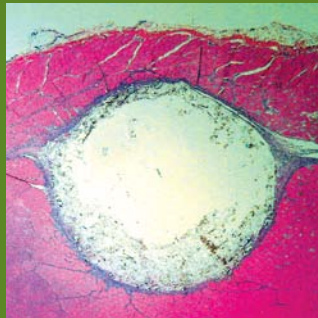
Trusted, Synthetic Plug Closure

The Cordis EXOSEAL® Vascular Closure Device uses a Polyglycolic Acid (PGA) plug material to securely close the femoral artery puncture site while causing low tissue reactivity to minimise access site complications.*

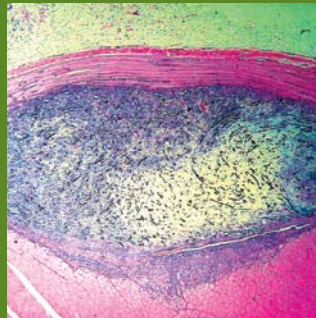
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Plug Absorption Characteristics

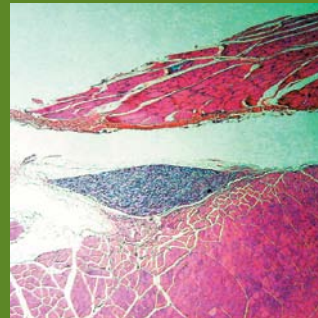
PGA plug material absorption and tissue reaction assessment in rat gluteal model¹



3 Days



14 Days



60 Days

Effective

Why a PGA Plug is Safe*:

- PGA has a long history in medical use
- PGA is not made from animal tissue
- Fully resorbed within 60-90 days

¹ Data on file at Cordis

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Extravascular Positioning

Secure Extravascular Closure

- Confident, extravascular positioning of bioabsorbable plug
- Plug is held securely in place by surrounding tissue



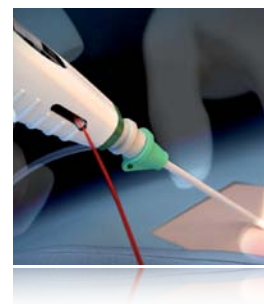
Secure and Precise Extravascular Placement

- Eliminates any possibility of intravascular deployment
- Deploys haemostatic plug without impeding arterial blood flow
- Provides two visual signals to increase operator confidence and patient comfort



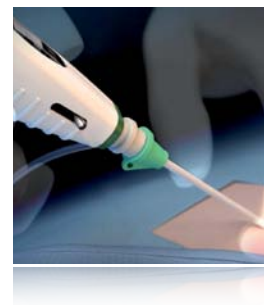
BLACK-WHITE

Device not yet positioned to deploy.
Lockout feature activated.



BLACK-BLACK

Deploy, if significantly reduced
bleed-back is also seen from
bleed-back window.



BLACK-RED

Release slight tension on device
until window shows BLACK-BLACK.
Otherwise switch to manual
compression.



THE PARTNER OF CHOICE FROM “STICK TO SEAL”

Cardiovascular

Emboli protection device

ANGIOGUARD® RX Emboli Capture Guidewire System

Guiding catheters

Long VISTA BRITE TIP® Guiding Catheter

VISTA BRITE TIP® Guiding Catheter

ADROIT™ Guiding Catheter

Steerable guidewires

ATW® Guidewire

ATW®MW Guidewire

REFLEX® Steerable Guidewire

SHINOBI® PLUS Steerable Guidewire

SHINOBI® Steerable Guidewire

STABILIZER® Balance Performance Steerable Guidewire

STABILIZER®MW Steerable Guidewire

WIZDOM® Steerable Guidewire

Balloons

EMPIRA™ Balloons Catheters

EMPIRA™ NC Balloons Catheters

Catheter sheath introducers

AVANTI™+ Sheath Introducer

Diagnostic catheters

7F HIGH FLOW

INFINITI® Catheters

QUICK CARE 4F INFINITI® Catheters

SUPERTORQUE® Plus Catheters

Diagnostic guidewires

EMERALD™ Diagnostic Guidewire

Endovascular

Catheter sheath introducers

AVANTI™ + Sheath Introducer

BRITE TIP® Interventional Sheath Introducer

CTO catheters

FRONTRUNNER® XP CTO Catheter

OUTBACK® LTD™ Re-entry Catheter

Diagnostic catheters

NYLEX™ Angiographic Catheter

SUPER TORQUE™ Angiographic Catheter

SUPER TORQUE™ MB Angiographic Catheter

TEMPOT™ Angiographic Catheter

TEMPOT™ AQUA Hydrophilic-Coated Angiographic Catheter

Diagnostic guidewires

EMERALD™ Guidewire

Emboli protection device

ANGIOGUARD™ RX Emboli Capture Guidewire System

Guiding catheters

VISTA BRITE TIP® Guiding Catheter

VISTA BRITE TIP® IG Introducer Guiding Catheter

Pre-mounted balloon expandable stents

.014" PALMAZ® BLUE™ 0.14 Peripheral Stent

.018" PALMAZ® GENESIS™ Peripheral Stent on SLALOM™ Delivery System

.018" PALMAZ® BLUE™ 0.18 Peripheral Stent

.035" PALMAZ® GENESIS™ Peripheral Stent on OPTA™ Pro .035" Delivery System

PTA balloons

.014" RX AVIATOR™ Plus PTA Balloon Dilatation Catheter

.014" RX SLEEK™ PTA Balloon Dilatation Catheter

.018" OTW SAVVY® Long PTA Balloon Dilatation Catheter

.018" OTW SAVVY® PTA Balloon Dilatation Catheter

.018" OTW SLALOM™ PTA Balloon Dilatation Catheter

.035" OTW MAXI™ LD PTA Balloon Dilatation Catheter

.035" POWERFLEX® Pro PTA Balloon Catheter

.035" OTW POWERFLEX™ Extreme PTA Balloon Dilatation Catheter

Self-expanding stents

.014" PRECISE® PRO RX™ Nitinol Stent System

.035" Long S.M.A.R.T.® Nitinol Stent System

.035" S.M.A.R.T.® CONTROL™ LARGE Nitinol Stent System

.035" S.M.A.R.T.® CONTROL™ Nitinol Stent System

S.M.A.R.T.® Flex Vascular Stent

Steerable guidewires

.014" ATW™ Steerable Guidewire

.014" STABILIZER™ Peripheral Steerable Guidewire

.018" SV Steerable Guidewire

.035" AQUATRACK™ Hydrophilic Nitinol Guidewire

.035" JINDO™ Tapered Steerable Guidewire

.035" STORQ™ Steerable Guidewire

Unmounted balloon expandable stents

PALMAZ® GENESIS™ Peripheral Stent

PALMAZ® XL Balloon Expandable Stent for Large Vessels

Venous products

OPTEASE™ Retrievable Vena Cava Filter

TRAPEASE™ Permanent Vena Cava Filter

Cordis **EXOSEAL**®

Vascular Closure Device

For clinically safe*, confident close resulting in improved patient outcomes, use the Cordis EXOSEAL® Vascular Closure Device

- **Easy-to-Use Functionality**
- **Trusted Bioabsorbable Technology**
- **Precise Extravascular Closure**
- **Excellent Clinical Results***

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Products

Providing a broad range of quality and innovative products to make a real difference in the minimally invasive treatment of cardiac and vascular disease.

Services

Supporting interventionalists and cathlab personnel by offering a full range of educational services through the Cordis Cardiac and Vascular Institute (CCVI).

Outcomes

Changing the lives of patients by being committed to evidence based medicine with the largest body of clinical evidence. This means maintaining an unwavering commitment to helping change the face of circulatory disease management. Today, tomorrow and into the future, we're devoted to our strong partnership with you, while consistently creating leading-edge products that will benefit the industry.



Cordis[®]
PART OF THE *Johnson & Johnson* FAMILY OF COMPANIES

Important Information:

Prior to use, refer to the "instructions for use" supplied with these devices for indications, contraindications, side effects, suggested procedure, warnings and precautions. As part of the Cordis policy of continuous product development we reserve the right to change product specifications without prior notification.

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