

EOS™ Endoluminal Occlusion System

EOS™ the PLUG

Create immediate, complete, and permanent occlusion, quickly and reliably, with EOS™



ArtVentive
MEDICAL GROUP, INC.

THE FLOW STOPS HERE.

For optimized efficiency and ultimate confidence, there's only one choice – EOS™



IMMEDIATE

Upon deployment, EOS™ provides instantaneous occlusion of the treated vessel.

COMPLETE

Initial clinical evidence shows 100% acute occlusion rate.¹

PERMANENT

Initial clinical evidence shows 100% sustained vessel occlusion and no migration.¹

AND HERE.

A Intrahepatic Portal Vein Embolization

Increase remnant liver volume after major liver resection

B Splenic Artery Embolization

Avoid splenectomy during trauma or utilize prior to planned splenectomy

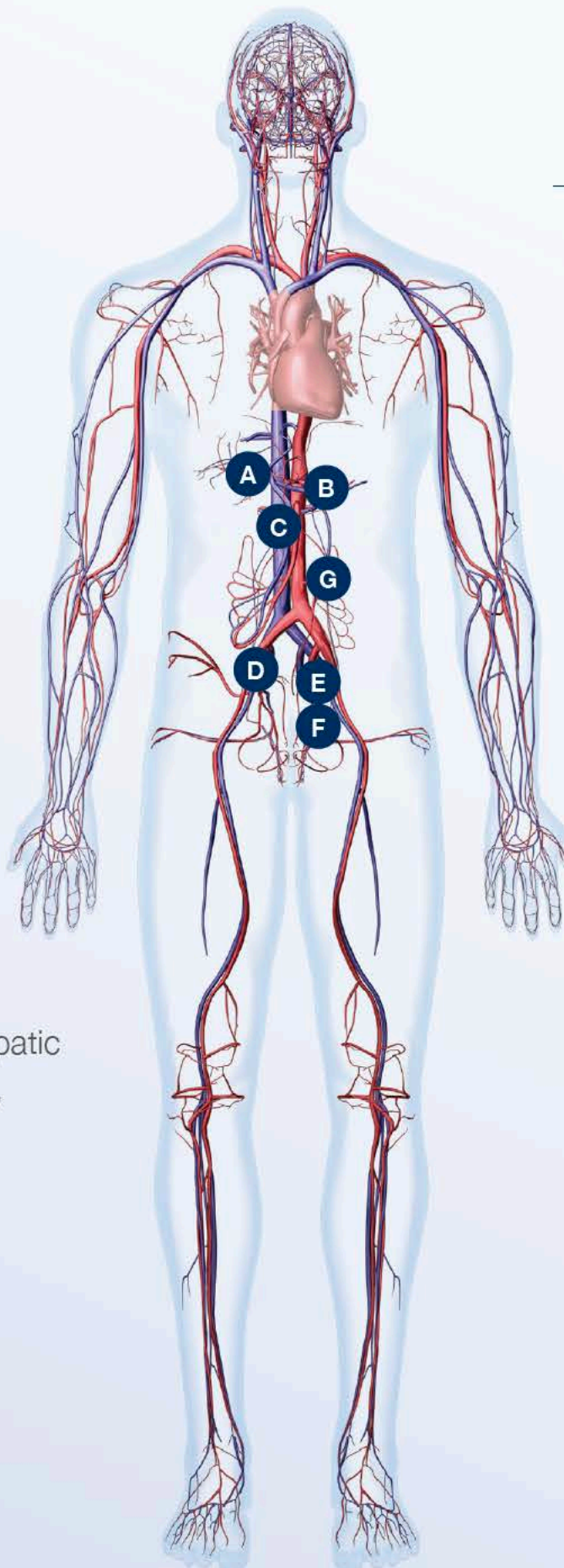
AND HERE.

C Gastroduodenal Artery Embolization

Use before radioembolization or hepatic artery chemo infusion; hemorrhage, aneurysms, or fistulae

D Iliac Artery Embolization

Prior to, or during, EVAR procedures



AND HERE.

E Spermatic Vein Embolization: Varicocele

Treat pain and infertility due to varicosities in the scrotum

F Ovarian Vein Embolization: Pelvic Congestion Syndrome

Address chronic pelvic pain associated with ovarian vein varices

G Peripheral Vasculature

Arterial trauma; venous insufficiency

AND BEYOND.

H Additional Peripheral Vascular Applications

EOS™ delivers effective occlusion in arterial and venous applications.

MAXIMUM STOPPING POWER.

PRECISE DEPLOYMENT

- Fast deployment: Delivery catheter with handle for two-stage deployment of the EOS™ plug.
- Controlled deployment: Side port enables saline/contrast solution pre-deployment flush and intra-procedure visualization

RELIABLE PERFORMANCE

- ePTFE covering enables immediate occlusion — no clotting required
- Nitinol scaffold optimizes radial force and stability against the vessel wall to minimize migration

SAVING PROCEDURE TIME AND ENHANCING SAFETY



- ▶ Immediate occlusion — no waiting for clotting



- ▶ Minimizes fluoroscopy to reduce radiation exposure for patients and staff



CONTROLLED DELIVERY AND DEPLOYMENT



IMMEDIATE, COMPLETE, and PERMANENT OCCLUSION – only with the EOS™ PLUG

- Immediate total occlusion
- Multiple peripheral venous and arterial applications
- No migration and minimal artefacts in follow-up MR and CT imaging
- Unique, proprietary design enables precise placement and deployment
- Simple and fast: can reduce procedural time, radiation exposure, and costs

ORDERING INFORMATION

EOS™ Catalog #	Description	Recommended Vessel Size	Plug Length
EOS PG1-5	5mm EOS™ Plug 105 cm working length 0.067" lumen, 6F Guide Catheter compatible	3–5mm	3mm Vessel – 11mm Plug length 5mm Vessel – 9mm Plug length
EOS PG1-8	8mm EOS™ Plug 105 cm working length 0.067" lumen, 6F Guide Catheter compatible	4.5–8mm	4.5mm Vessel – 21mm Plug length 8mm Vessel – 17mm Plug length
EOS PG1-11	11mm EOS™ Plug 105 cm working length 0.082" lumen, 7.5F Guide Catheter Compatible	7.5–11mm	8mm Vessel – 12mm Plug length 11mm Vessel – 18mm Plug length

Guide Catheter Catalog #	Description	Specifications
EOS PSG1-6	6F Guide Catheter for 5mm and 8mm EOS EOS™ Delivery and Deployment.	Guidewire – .035" Inner Diameter – .067" Outer Diameter – .082" Guide Catheter Working Length – 89cm Dilator Working Length – 96cm
EOS PSG1-7.5	7.5F Guide Catheter for 11mm EOS™ Delivery and Deployment.	Guidewire – .035" Inner Diameter – .082" Outer Diameter – .101" Guide Catheter Working Length – 89cm Dilator Working Length – 96cm

REFERENCE & PUBLICATIONS

- 1) Venbrux AC, Rudakov L, Plass A, et al. A new occlusion device: application of the ArtVentive endoluminal occlusion system (EOS)–first in human clinical trial. *Cardiovasc Intervent Radiol.* 2014 Feb;37(1):85-93.
- Emmert M, Venbrux A, Rudakov L, et al. The endovascular occlusion system for safe and immediate peripheral vessel occlusion during vascular interventions. *Interactive Cardiovasc and Thor Surg.* 2013;1-4:doi:10.1093/icvts/ivt318.
- Tamrazi A, Wadhwa V, Duarte A, et al. Successful occlusion of the splenic artery using the Endoluminal Occlusion System. *JVIR.* 2015 Sept; 1412-1414.
- Tellez A, Rudakov L, Dillon K, et al. Efficacy and safety evaluation of a novel endovascular occlusion system in a large peripheral model. *TCT 2015 poster.*
- Moelker A. First experience with a new vascular occlusion device: the ArtVentive Endoluminal Occlusion System - cases from Holland. *GEST 2016 poster.*
- Pyra K, Jargiello T, et al. Evaluation of effectiveness of embolization in PCS with the new vascular occlusion device (ArtVentive EOS): Preliminary results. *Cardiovascular and Interventional Radiology, published online: 01 June 2016*

The ArtVentive Endoluminal Occlusion System (EOS™) is indicated for arterial and venous embolization in the peripheral vasculature.