

ENVASt: SAFE, ASSOCIATED WITH HIGH RATES OF RECANALIZATION AND THROMBUS REMOVAL¹

In 61 patients with large thrombus burden¹

EFFECTIVE

85%

immediate reperfusion at enVast deployment

98%

TIMI 3 achieved at the end of PCI (90% after enVast)

72%

ST Resolution >50%

SAFE

0

incidents of Stroke

0

recurrent MI

0

bleeding BARC 3 or 5

Cardiovascular death in 2 (3.3%) patients (in cardiogenic shock at admission)

In a registry of 221 patients undergoing mechanical thrombectomy with enVast across 6 centers in Europe, **no coronary dissection or perforation** was reported.²

DROP ZONE™ TECHNOLOGY
A BALANCED DESIGN FOR SMOOTH TRACKING AND SAFE RETRIEVAL OF THROMBOTIC BURDEN

The diagram illustrates the enVast catheter's design features. It shows a central shaft with two 'DROP ZONES' at the proximal end, labeled as 'entry points for large, organized thrombi'. The middle section is the 'FLOW RESTORATION ZONE', where 'radial force [is] optimized for artery apposition'. The distal end features a 'CLOSED DISTAL BASKET' for 'clot retention inside structure'.

ORDERING INFORMATION

Product Name	Maximal Diameter (mm)	Working Length (mm)	Full Length (mm)	No. of Drop Zones	Pusher Wire (cm)	Recommended Vessel Diameter (mm)	Min. MC ID
4.0 x 30	4.0	30	48	2	200	≥ 2.0 and ≤ 3.5	.021"
PRODUCT CODE: EV-4030-F2RR							
4.5 x 37	4.5	37	57	2	200	≥ 2.0 and ≤ 4.5	.021"
PRODUCT CODE: EV-4537-F2RR							
4.5 x 46	4.5	46	66	3	200	≥ 2.0 and ≤ 4.5	.021"
PRODUCT CODE: EV-4546-F3RR							
6.0 x 35	6.0	35	55	2	200	≥ 3.5 and ≤ 6.0	.027"
PRODUCT CODE: EV-6035-F2RR							

enVast™
CHOOSE TO REMOVE

CE APPROVED FOR CORONARY THROMBECTOMY

A detailed illustration of the enVast catheter system. It shows the catheter being inserted into a coronary artery, with the distal basket deployed to capture a thrombus. The background shows a stylized representation of the coronary vasculature.

Intended to restore blood flow and remove thrombus in vessels occluded by thrombo-embolic material while experiencing symptoms of thrombosis in the coronary vasculature

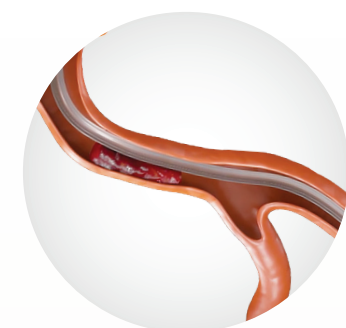
VESALIO™

#DoTheDropZone | www.vesalio.com | LV-MKT-008 REV D

enVast™

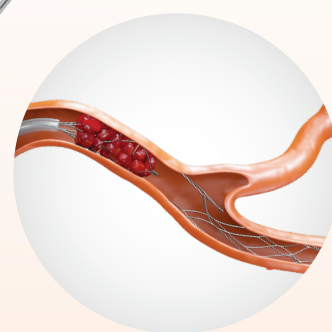
CHOOSE TO REMOVE

A SIMPLE, SAFE AND EFFECTIVE PROCEDURE
TO OVERCOME LARGE THROMBUS BURDEN



1.DELIVER

Advance enVast beyond the clot site using a low-profile catheter.



2.DEPLOY

Retract the delivery catheter proximally to expose enVast. The self-expanding nitinol structure will appose the arterial wall, restoring flow.



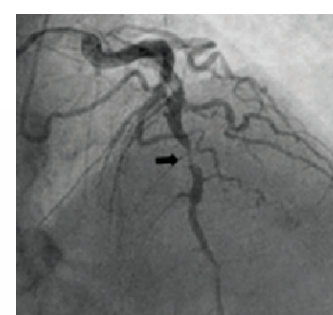
3. RETRIEVE

Withdraw enVast to entrap thrombus within the Drop Zones. Co-aspiration is recommended.

CORONARY THROMBECTOMY REDEFINED

A CRITICAL TOOL IN COMPLEX CASES WITH HEAVY THROMBOTIC LOAD

CASE 1: 61-year-old man with STEMI and functional occlusion of mid LAD¹



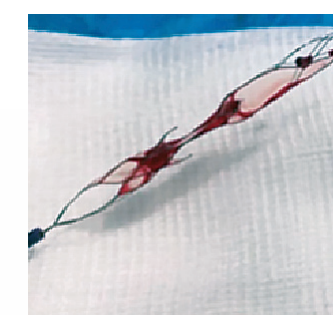
BASELINE



AFTER ENVAST DEPLOYMENT



END OF PCI



THROMBUS REMOVED

CASE 2: with STEMI with thrombotic subocclusion of mid distal RCA¹



BASELINE



AFTER ENVAST DEPLOYMENT

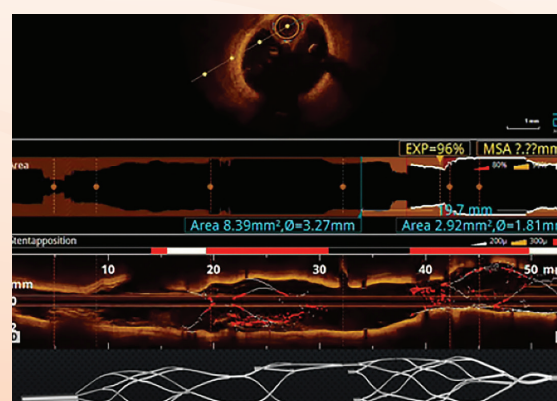
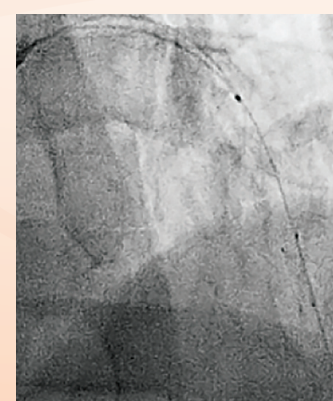


END OF PCI



THROMBUS REMOVED

CASE 3: Engineered for vessel wall conformity and complete thrombus integration



Scan QR code to view the recording.

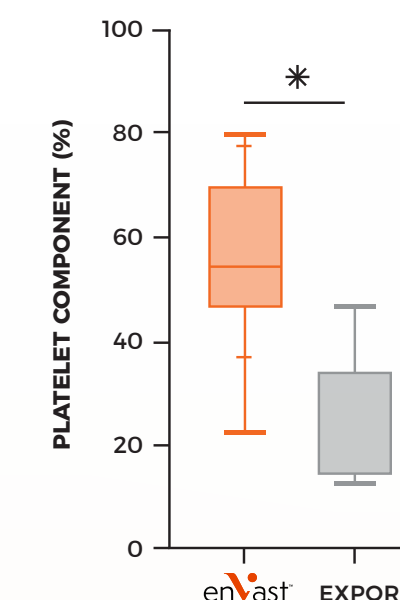
Peri-procedural OCT imaging showing enVast wall apposition and thrombus integration during the case.³

CASE 4: Full thromboembolic removal regardless of structure and composition

enVast has demonstrated the ability to retrieve complex and extensive thrombotic structures, providing an improved thrombectomy.⁴

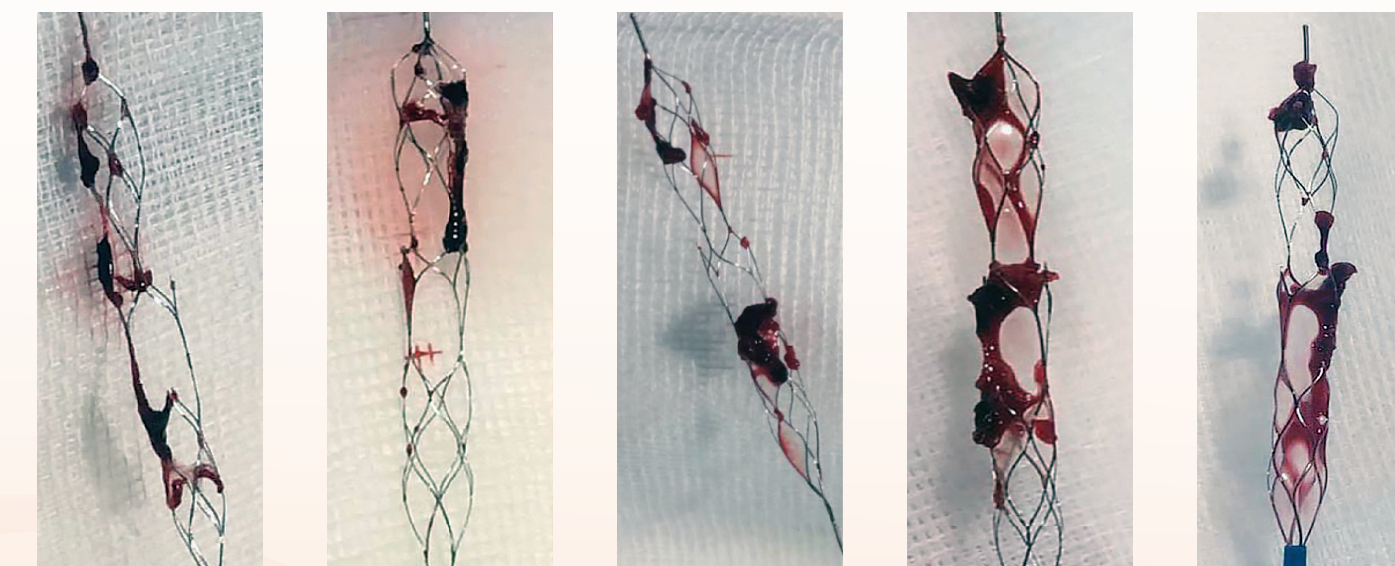
Thrombectomy with enVast retrieved mixed thrombus:

- fibrin/red blood cells
- platelets and connective tissue
- isolated leucocytes



Thrombectomy with export aspiration catheter retrieved red clot:

- predominantly red blood cells and fibrin
- small areas with connective tissue at the margin of the clot



enVast was used after failed angioplasty, tirofiban, and three aborted aspiration attempts due to complete thrombotic occlusion. Large thrombi were retrieved in 5 of 7 passes.

REFERENCES:

1. Spirito, Alessandro et al., 2022 EuroIntervention
2. Valgimigli, Marco 2025 Euro PCR Abstracts: enVast Mechanical Thrombectomy for patients with myocardial infarction and large thrombus burden
3. Courtesy of Dr Andras Katona, Sweden
4. Bongiovanni, Dario et al., 2023 JACC: Cardiovascular Interventions