



Cardiatis

Global Solution for Vascular Repair



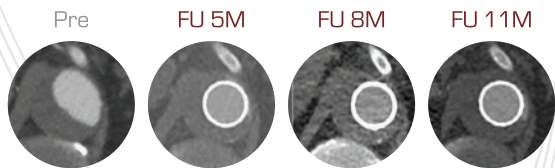
Multilayer Flow Modulator
MFM[®]

ahead of the flow

CLINICAL RESULTS

The Cardiatis Multilayer Flow Modulator (MFM®) offers innovative and universal solutions to endovascular treatment of aneurysms. The MFM® composed of multiple layers of braided alloy regulates blood flow, reduces pressure on aneurysm wall while maintaining vital branches and collateral patency.

Pre intervention Post intervention

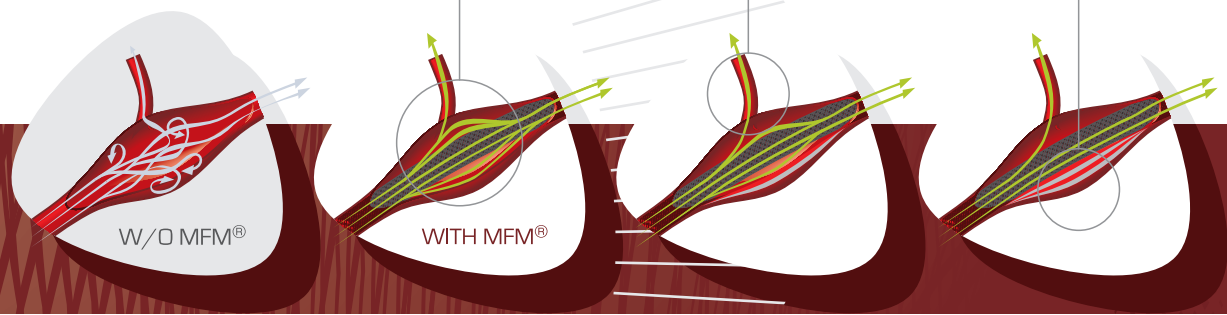


Follow-ups
Physician: Dr. Vazquez
(Centre Hospitalier Régional du Val de Sambre, Belgium)

CONCEPT

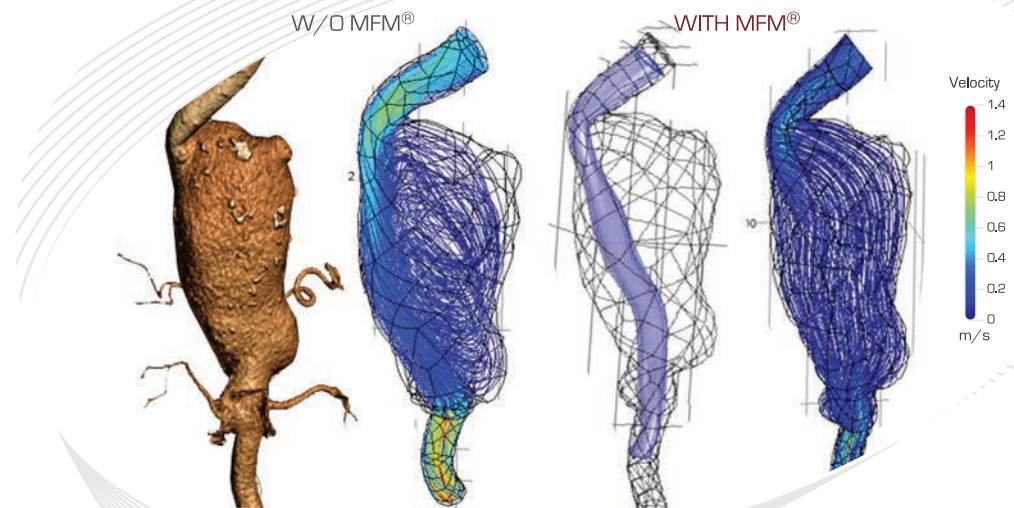
According to Laplace Law, the turbulent blood flow within the aneurysm damages the arterial wall and the shear stress applied results in a growth of the aneurysm.

Vortices into aneurysm Laminated Flow 1 Branch Patency 2 Aneurysm Healing 3



CORE LAB

3D MODELIZATION
Velocity Field Streamline



MFM[®] FEATURES

3D BRAIDED DESIGN

NO COVERED THREADS

HIGH RADIAL FORCE

HIGH FLEXIBILITY AND CONFORMABILITY

EASY DEPLOYMENT

PERFECT OVERLAPPING BETWEEN
2, 3 OR MORE MFM[®]

IMMEDIATE AVAILABILITY



MFM[®] BENEFITS

TREATS COMPLEX ANEURYSMS

FITS WHOLE AORTIC ANATOMY

PRESERVES BRANCHES PATENCY

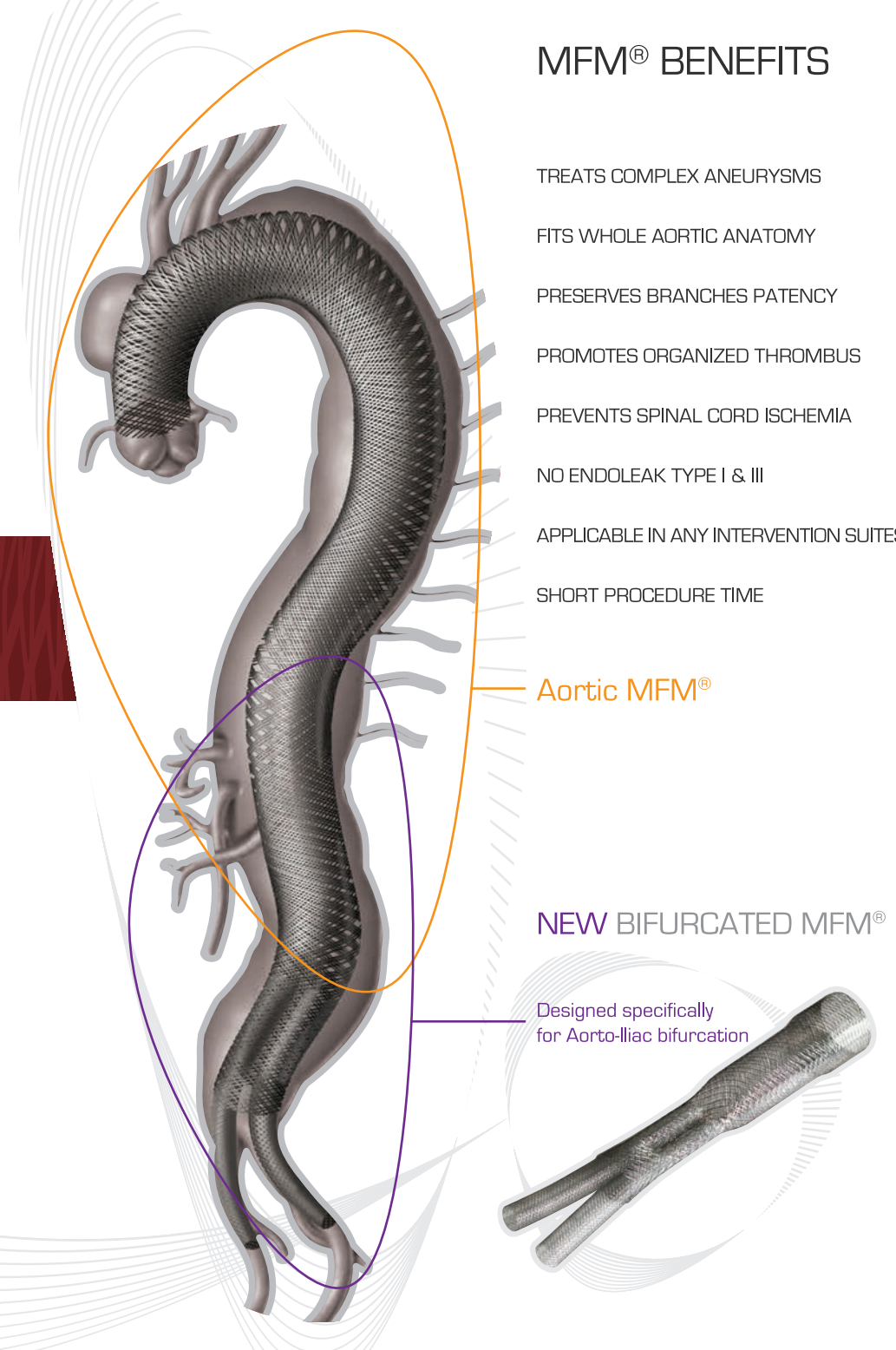
PROMOTES ORGANIZED THROMBUS

PREVENTS SPINAL CORD ISCHEMIA

NO ENDOLEAK TYPE I & III

APPLICABLE IN ANY INTERVENTION SUITES

SHORT PROCEDURE TIME



Aortic MFM[®]

NEW BIFURCATED MFM[®]

Designed specifically
for Aorto-iliac bifurcation

| Aortic MFM® | | | Delivery systems (DS) | | | | Introducer Sheath |
|-------------|-------|--------|-----------------------|---------------|--------|-----------|-------------------|
| Ref. number | OD | Length | OD | Usable Length | Guide | Mini size | |
| CTMS 2580 | 25 mm | 80 mm | 18 F | 100cm | 0,035" | 20 F | |
| CTMS 25100 | 25 | 100 | 18 | 100 | 0,035" | 20 | |
| CTMS 25120 | 25 | 120 | 18 | 100 | 0,035" | 20 | |
| CTMS 25150 | 25 | 150 | 18 | 100 | 0,035" | 20 | |
| CTMS 25180 | 25 | 180 | 20 | 100 | 0,035" | 20 | |
| CTMS 25200 | 25 | 200 | 20 | 100 | 0,035" | 20 | |
| CTMS 2880 | 28 mm | 80 mm | 18 F | 100cm | 0,035" | 20 F | |
| CTMS 28100 | 28 | 100 | 18 | 100 | 0,035" | 20 | |
| CTMS 28120 | 28 | 120 | 18 | 100 | 0,035" | 20 | |
| CTMS 28150 | 28 | 150 | 18 | 100 | 0,035" | 20 | |
| CTMS 28180 | 28 | 180 | 20 | 100 | 0,035" | 20 | |
| CTMS 28200 | 28 | 200 | 20 | 100 | 0,035" | 20 | |
| CTMS 3080 | 30 mm | 80 mm | 18 F | 100 cm | 0,035" | 20 F | |
| CTMS 30100 | 30 | 100 | 18 | 100 | 0,035" | 20 | |
| CTMS 30120 | 30 | 120 | 18 | 100 | 0,035" | 20 | |
| CTMS 30150 | 30 | 150 | 18 | 100 | 0,035" | 20 | |
| CTMS 30180 | 30 | 180 | 20 | 100 | 0,035" | 20 | |
| CTMS 30200 | 30 | 200 | 20 | 100 | 0,035" | 20 | |
| CTMS 3280 | 32 mm | 80 mm | 18 F | 100 cm | 0,035" | 20 F | |
| CTMS 32100 | 32 | 100 | 18 | 100 | 0,035" | 20 | |
| CTMS 32120 | 32 | 120 | 18 | 100 | 0,035" | 20 | |
| CTMS 32150 | 32 | 150 | 18 | 100 | 0,035" | 20 | |
| CTMS 32180 | 32 | 180 | 20 | 100 | 0,035" | 20 | |
| CTMS 32200 | 32 | 200 | 20 | 100 | 0,035" | 20 | |
| CTMS 3580 | 35 mm | 80 mm | 18 F | 100 cm | 0,035" | 20 F | |
| CTMS 35100 | 35 | 100 | 18 | 100 | 0,035" | 20 | |
| CTMS 35120 | 35 | 120 | 18 | 100 | 0,035" | 20 | |
| CTMS 35150 | 35 | 150 | 18 | 100 | 0,035" | 20 | |
| CTMS 35180 | 35 | 180 | 20 | 100 | 0,035" | 20 | |
| CTMS 35200 | 35 | 200 | 20 | 100 | 0,035" | 20 | |
| CTMS 4080 | 40 mm | 80 mm | 18 F | 100/ cm | 0,035" | 20 F | |
| CTMS 40100 | 40 | 100 | 18 | 100 | 0,035" | 20 | |
| CTMS 40120 | 40 | 120 | 18 | 100 | 0,035" | 20 | |
| CTMS 40150 | 40 | 150 | 18 | 100 | 0,035" | 20 | |
| CTMS 40180 | 40 | 180 | 20 | 100 | 0,035" | 20 | |
| CTMS 40200 | 40 | 200 | 20 | 100 | 0,035" | 20 | |
| CTMS 4580 | 45 mm | 80 mm | 20 F | 100 cm | 0,035" | 20 F | |
| CTMS 45100 | 45 | 100 | 20 | 100 | 0,035" | 20 | |
| CTMS 45120 | 45 | 120 | 20 | 100 | 0,035" | 20 | |
| CTMS 45150 | 45 | 150 | 20 | 100 | 0,035" | 20 | |
| CTMS 45180 | 45 | 180 | 20 | 100 | 0,035" | 20 | |

| Bifurcated MFM® | | | Bifurcated | Delivery systems (DS) | | | | Introducer Sheath |
|-----------------|----------|--------|------------|-----------------------|---------------|-----------|-----------|-------------------|
| Ref. number | Diameter | Length | Length | OD | Usable Length | Guidewire | Mini size | |
| CAMS 30150/32 | 30 mm | 150 mm | 32 mm | 20 F | 100 cm | 0,035" | 20 F | |
| CAMS 30180/32 | 30 | 180 | 32 | 20 | 100 | 0,035" | 20 | |
| CAMS 30200/32 | 30 | 200 | 32 | 20 | 100 | 0,035" | 20 | |
| CAMS 30150/24 | 30 | 150 | 24 | 20 | 100 | 0,035" | 20 | |
| CAMS 30180/24 | 30 | 180 | 24 | 20 | 100 | 0,035" | 20 | |
| CAMS 30200/24 | 30 | 200 | 24 | 20 | 100 | 0,035" | 20 | |
| CAMS 35150/32 | 30 mm | 150 mm | 24 mm | 20 F | 100 cm | 0,035" | 20 F | |
| CAMS 35180/32 | 35 | 180 | 32 | 20 | 100 | 0,035" | 20 | |
| CAMS 35200/32 | 35 | 200 | 32 | 20 | 100 | 0,035" | 20 | |

| MFM® Leg Extension | | | Delivery systems (DS) | | | | Introducer Sheath |
|--------------------|----------|--------|-----------------------|---------------|-----------|-----------|-------------------|
| Ref. number | Diameter | Length | OD | Usable Length | Guidewire | Mini size | |
| CAMS 16120 | 16 mm | 120 mm | 12 F | 80 cm | 0,035" | 12 F | |
| CAMS 16150 | 16 | 150 | 12 | 80 | 0,035" | 12 | |
| CAMS 16180 | 16 | 180 | 12 | 80 | 0,035" | 12 | |
| CAMS 16200 | 16 | 200 | 12 | 80 | 0,035" | 12 | |

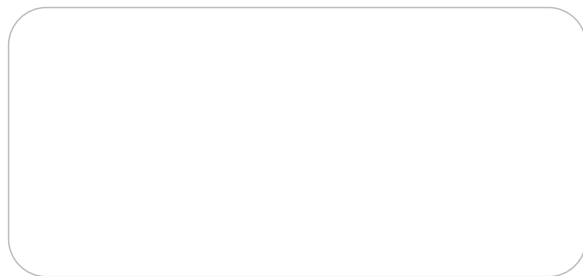
| Peripheral MFM® | | | | | | | | | |
|-----------------|-----------------|--------|-----------------|-----------------|--------|-----------------|-----------------|--------|--|
| Ref. number | Delivery system | | | Delivery system | | | Delivery system | | |
| 6 mm | Size | Guide | 7 mm | Size | Guide | 8 mm | Size | Guide | |
| CPMS 0630/110* | 6F | 0,025" | CPMS 0730/110* | 6F | 0,025" | CPMS 0830/110* | 6F | 0,025" | |
| CPMS 0640/110* | 6F | 0,025" | CPMS 0740/110* | 6F | 0,025" | CPMS 0840/110* | 6F | 0,025" | |
| CPMS 0650/110** | 6F | 0,025" | CPMS 0750/110** | 6F | 0,025" | CPMS 0850/110** | 6F | 0,025" | |
| CPMS 0660/110* | 6F | 0,025" | CPMS 0760/110* | 6F | 0,025" | CPMS 0860/110* | 6F | 0,025" | |
| CPMS 0680/110* | 6F | 0,025" | CPMS 0780/110* | 6F | 0,025" | CPMS 0880/110* | 7F | 0,025" | |
| CPMS 06100/110* | 7F | 0,025" | CPMS 07100/110* | 7F | 0,025" | CPMS 08100/110* | 7F | 0,025" | |
| CPMS 06120/110* | 7F | 0,025" | CPMS 07120/110* | 7 | 0,025" | CPMS 08120/110* | 8F | 0,025" | |
| 9 mm | Size | Guide | 10 mm | Size | Guide | 12 mm | Size | Guide | |
| CPMS 0930/110* | 6F | 0,025" | CPMS 1040/110* | 7F | 0,025" | CPMS 1240/110* | 7F | 0,025" | |
| CPMS 0940/110* | 6F | 0,025" | CPMS 1050/110** | 7F | 0,025" | CPMS 1250/110** | 7F | 0,025" | |
| CPMS 0950/110** | 6F | 0,025" | CPMS 1060/110* | 7F | 0,025" | CPMS 1260/110* | 7F | 0,025" | |
| CPMS 0960/110* | 6F | 0,025" | CPMS 1080/110* | 7F | 0,025" | CPMS 1280/110* | 7F | 0,025" | |
| CPMS 0980/110* | 7F | 0,025" | CPMS 10100/110* | 8F | 0,025" | CPMS 12100/110* | 8F | 0,025" | |
| CPMS 09100/110* | 7F | 0,025" | CPMS 10120/110* | 9F | 0,035" | CPMS 12120/110* | 9F | 0,035" | |
| CPMS 09120/110* | 8F | 0,025" | | | | | | | |
| 14 mm | Size | Guide | 16 mm | Size | Guide | | | | |
| CPMS 1460/110* | 9F | 0,035" | CPMS 1660/110* | 10F | 0,035" | | | | |
| CPMS 1480/110* | 9F | 0,035" | CPMS 1680/110* | 12F | 0,035" | | | | |
| CPMS 14100/110* | 10F | 0,035" | CPMS 16100/110* | 12F | 0,035" | | | | |
| CPMS 14120/110* | 10F | 0,035" | CPMS 16120/110* | 12F | 0,035" | | | | |

(*) 80 cm catheter length available on request
(**) Available on request only



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