



Aims to treat and prevent
rupture of cerebral aneurysms



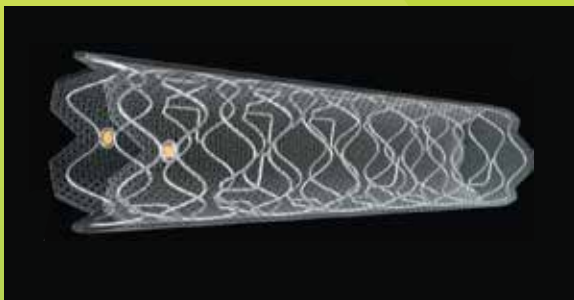
MERLIN MD
THE SIGN OF A BETTER LIFE

Goal of treatment

Complete occlusion of the int

XCalibur Aneurysm Occlusion Device (AOD) - A Flow Diverter

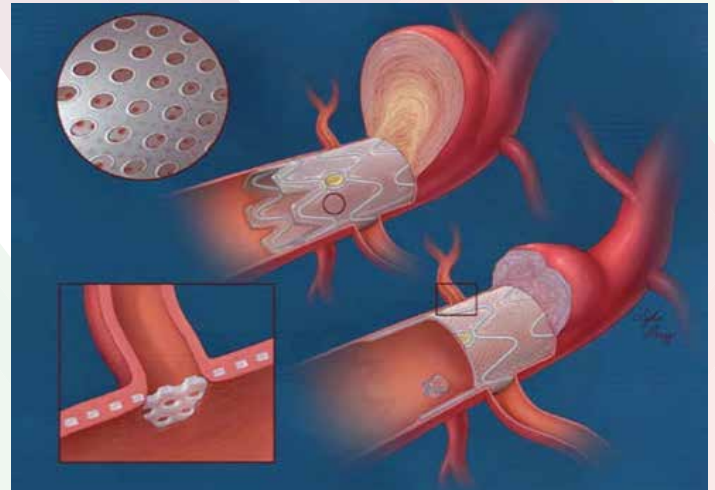
- Micro-porous, polymer membrane covered implant
- Providing a high surface coverage (>65%)
- Delivered over a rapid-exchange balloon catheter
- With granted patents in Singapore, Europe, Japan and the US.



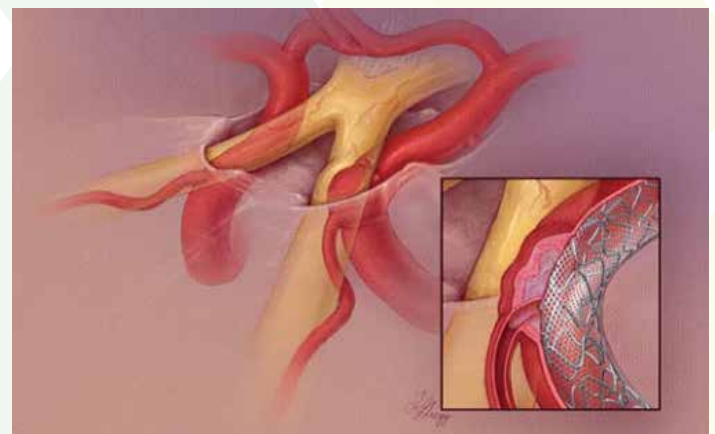
- Function to **divert blood flow** from the aneurysm causing stasis and controlled thrombosis within the aneurysm
- **Optimal surface coverage and pore density** for immediate aneurysm occlusion while maintaining side branch patency
- **Cure for the disease, not a treatment for the consequence of the disease.** Resolution of clinical symptoms and Mass Effect
- The AOD gets **incorporated into the arterial wall** and becomes a definitive reconstruction of the diseased parent artery
- Flow diversion and geometric correction **eliminating shear stress on aneurysm wall**

Get results now with a single implant

- **Definitive and more immediate aneurysm occlusion**
- **Consistent resolution of aneurysmal mass effect and related symptoms**
- **Reliable patency of covered side branches**
- **Controlled, balloon expandable delivery with negligible implant foreshortening**
- **Excellent long term clinical results**



Aneurysm regresses in size and side branches stay patent



Implant positioned across a side-branch emanating from an aneurysm

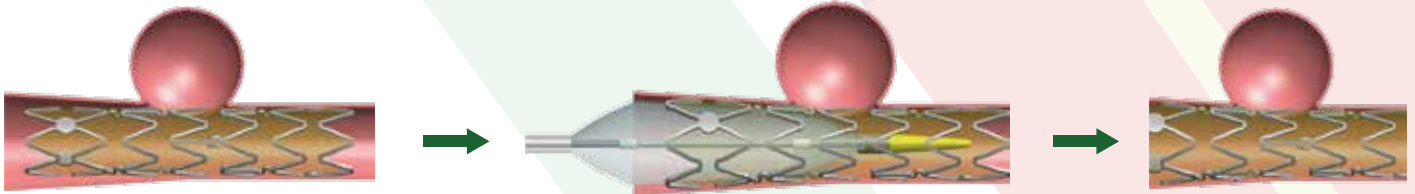
	# of Devices	% Coverage	Illustration
	XCalibur		
	1	>65%	
	Bare Metal Braid Design		
	1	35%	
	2	58%	
	3	73%	
	4	82%	

XCalibur provides optimal surface coverage

Intracranial aneurysm, isolating it from the parent artery

NChant Post Dilatation Balloon Catheter (PDB)

- Specifically designed for neurovascular use
- Short balloon for discrete conformability to the vessel wall



Sample Clinical Case

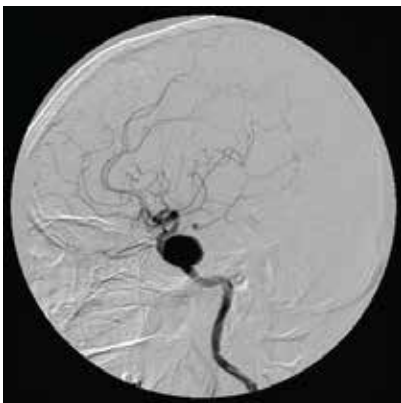
Initial Presentation

- 67 year old female
- Diplopia, Ptosis and Headache
- 20mm ICA Aneurysm with 12mm neck

6 month follow-up

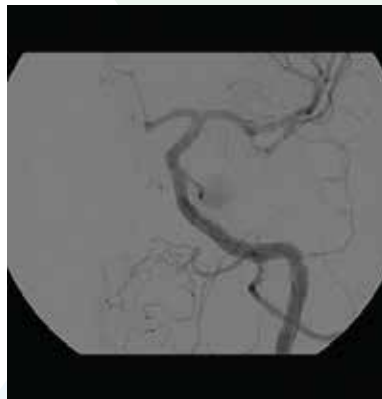
- Resolution of mass effect
- Resolution of Diplopia, Ptosis and Headache

Before XCalibur

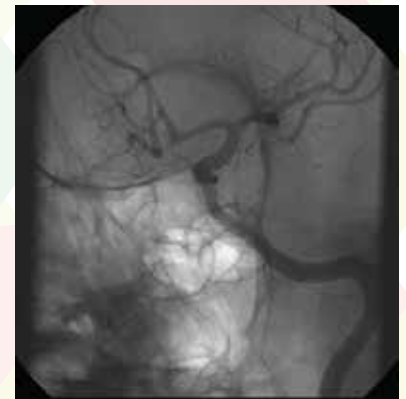


Pre-procedure

Immediate / Short term Findings



Immediate Post



6 Month Post

Long Term Follow-Up



15 Month-Angiography



15 Month MRI

Ordering Information

Order Number	Implant Diameter (XXX)	Implant Length (YY)
AOD 290513-XXX YY	3.25 mm	Each diameter consists of 15mm / 20mm /25mm lengths separately
	3.50 mm	
	3.75 mm	
	4.00 mm	
	4.25 mm	
	4.50 mm	
PDB 290514-XXX YY	3.75 mm	All diameters have standard 7mm length
	4.25 mm	
	4.75 mm	



8 Admiralty Street | #06-08/09 Admirax Lobby 2 | Singapore 757438 Tel.: +65-6892 0020 | Fax: +65-6892 0080
www.merlinmedical.com
sales@merlinmedical.com

THE XCALIBUR AOD SYSTEM AND NCHANT ARE NOT FOR SALE IN THE US © 2015 MERLIN MD PTE. LTD.
 ALL RIGHTS RESERVED.

