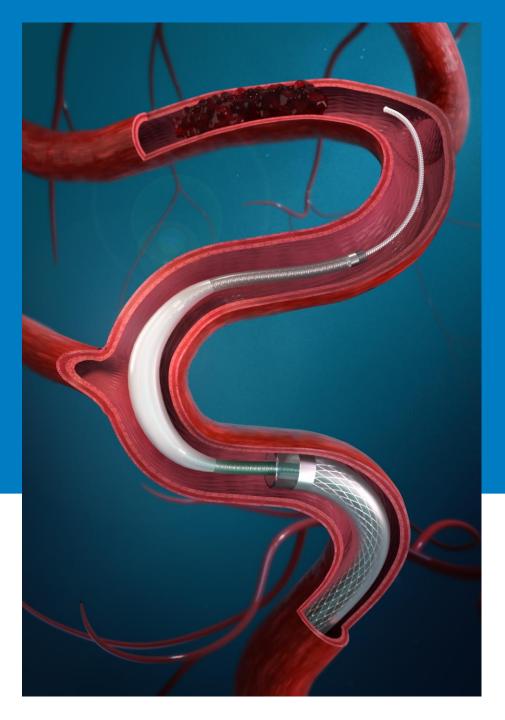


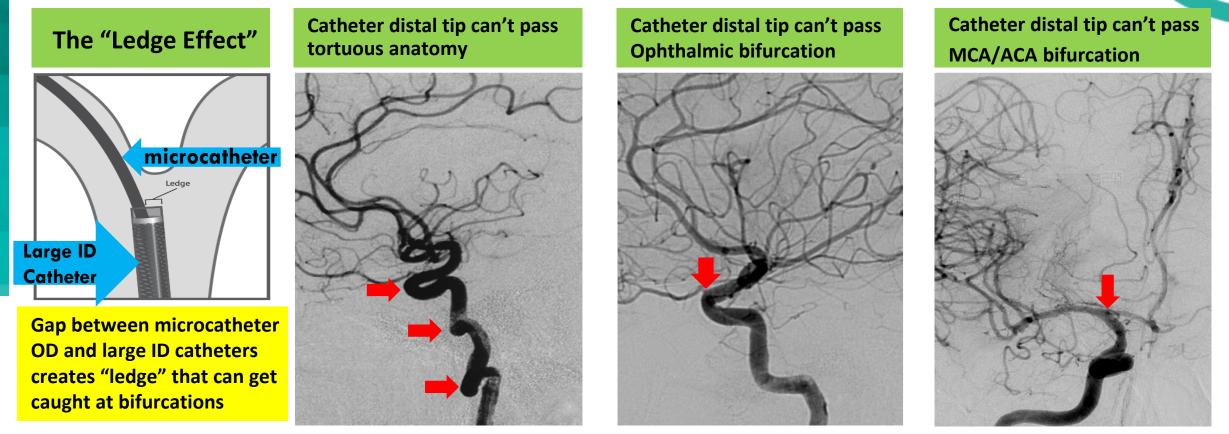
WEDGE™ MICROCATHETER IN-SERVICE PRESENTATION

• 1.5cm distal tip

• 160cm working length



Catheter Navigation Challenges



Images courtesy of Dr. Markus Möhlenbruch, University Hospital, Heidelberg, Germany

Physician may be required to use larger devices (Penumbra® 3F 3MAX[™] Catheter as inner catheter or 0.027" microcatheter) or multiple guidewires to overcome these challenges



Indication & Specifications

CATHETER

LENGTH

160 cm

WEDGE[™] CATHETER

ID

0.021"

TIP SHAPE

Straight

PRODUCT

CODE

MCWED21160

The Wedge Microcatheter is intended for general intravascular use, including the peripheral, coronary and neuro vasculature for the infusion of diagnostic agents, such as contrast media, and to assist in the delivery of interventional devices, such as the SOFIA 6F Catheter, in the neurovasculature.

BULB WORKING

LENGTH

1.1 cm

BULB

MAX OD

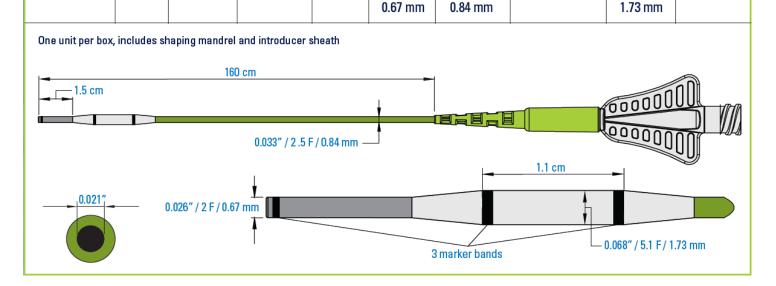
0.068"

5.1 F

TIP

MARKERS

3



Improve SOFIA[®] 6F Catheter Navigation Past Tortuous Anatomy

TIP

LENGTH

1.5 cm

OD

DISTAL

0.026"

2.0 F

OD

PROXIMAL

0.033"

2.5 F

Note: The Wedge Microcatheter with 1.5cm distal tip is not intended to deploy a stentriever.



Device Benefits

Bulb segment's enlarged OD designed to reduce ledge effect with SOFIA 6F Catheter¹

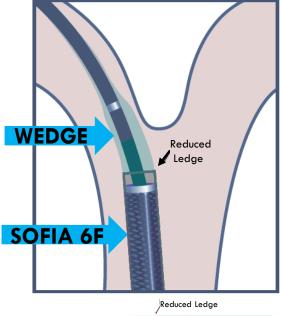
Wedge Catheter + SOFIA[™] 6F Catheter expected to provide²:
 Easier passage through ophthalmic and MCA/ACA bifurcations
 Improved navigation to occlusion location
 Minimized vessel trauma

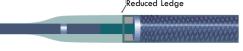
0.021" ID compatible with 0.014" - 0.018" guidewires

160cm working length to ensure adequate distal length when using SOFIA 6F 131cm Catheter

¹Yoo AJ, Frei D, Tateshima S, et al. J NeuroIntervent Surg (2011). doi:10.1136/neurintsurg-2011-010080.
Spiotta AM, et al. J NeuroIntervent Surg 2015:7:2-7. doi:10.1136/neurintsurg-2013-011022.
D.-H Kang, MD, Acute Ischemic Stroke, DOI 10.1007/978-981-10-0965-5_10.
²FDA 510(k) submission







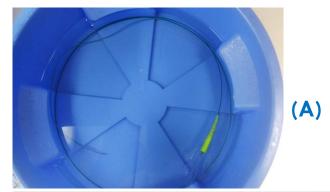
Device Preparation

STEP 1

- A. Prior to use, flush the Wedge Microcatheter lumen thoroughly and completely submerge into a bowl of heparinized saline
- B. Attach a rotating hemostatic valve (RHV) to the Wedge Microcatheter hub. Insert the distal section of the guidewire into the RHV attached to Wedge Microcatheter. Advance the guidewire until the distal tip is near the distal end of the Wedge Microcatheter

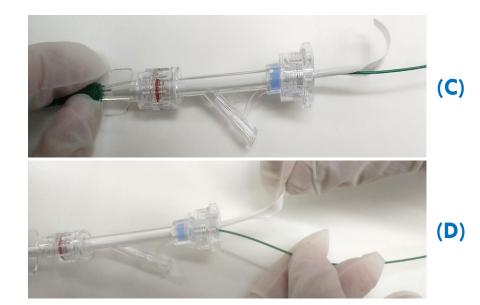
STEP 2

- C. Insert the introducer sheath with Wedge Microcatheter and guidewire into the RHV attached to the SOFIA 6F Catheter
- D. Advance the Wedge Microcatheter with guidewire slowly through the SOFIA 6F Catheter. Once the Wedge Microcatheter tip has been advanced at least 60cm, remove the introducer sheath





(B)



Device Preparation

STEP 3

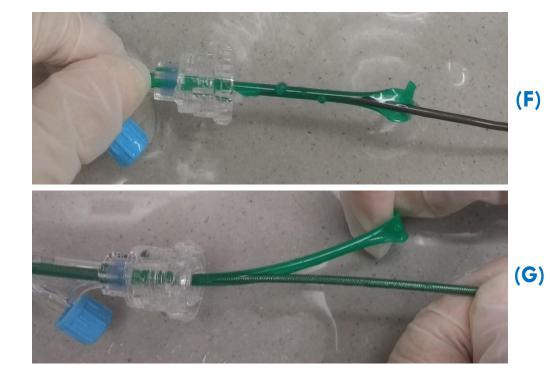
E. Advance the Wedge Microcatheter with guidewire through the SOFIA 6F Catheter until the Wedge Microcatheter's distal bulb marker is at least 5mm past the SOFIA 6F Catheter distal tip (in the middle of the Wedge Microcatheter "bulb" segment)

5mm Distal Bulb Marker

(E)

STEP 4

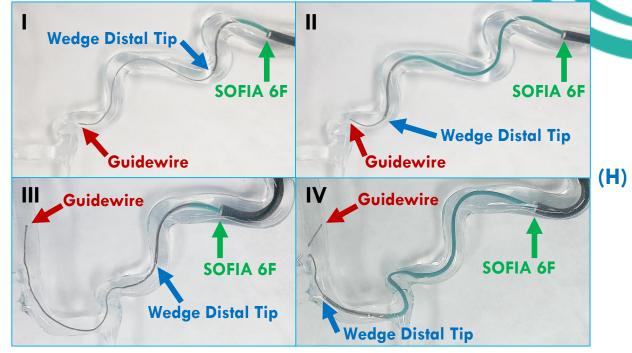
- F. Insert the introducer sheath with SOFIA 6F Catheter, Wedge Microcatheter, and guidewire into the RHV attached to the Guiding Sheath.
- G. Advance the SOFIA 6F Catheter with Wedge Microcatheter and guidewire slowly through the Guiding Sheath. Once the SOFIA 6F Catheter distal tip has advanced at least 60 cm, remove the Introducer sheath.



Navigation Recommendations

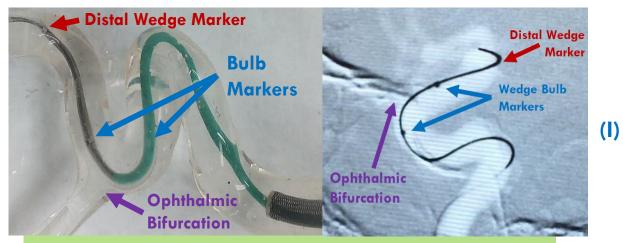
STEP 5

H. To navigate the SOFIA 6F Catheter to the desired vessel location, advance the guidewire a short distance, then advance the Wedge Microcatheter over the guidewire. Repeat this technique until the bulb segment of the Wedge Microcatheter reaches the target bifurcation



STEP 6

I. Position the Wedge Microcatheter's bulb segment across the bifurcation. Under fluoroscopy, ensure that each of the bulb's radiopaque markers is positioned on either side, equidistant from the middle of the bifurcation



Wedge positioned across ophthalmic bifurcation

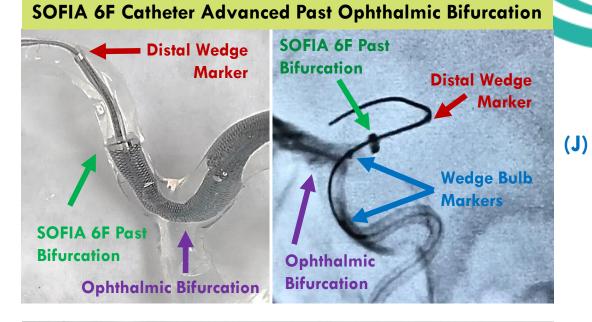
Navigation Recommendations

STEP 7

J. With the bulb segment positioned at the desired location, hold the Wedge Microcatheter in place and advance the distal tip of the SOFIA 6F Catheter over the bulb segment completely past the bifurcation

STEP 8

K. Once the SOFIA 6F Catheter has navigated completely past the bifurcation to the target vessel location, the guidewire and Wedge Microcatheter can be removed from the SOFIA 6F Catheter.







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Indications for Use:

The Wedge Microcatheter is intended for general intravascular use, including the peripheral, coronary and neuro vasculature for the infusion of diagnostic agents, such as contrast media, and to assist in the delivery of interventional devices, such as the SOFIA 6F Catheter, in the neurovasculature.

The SOFIA[®] Catheter is indicated for general intravascular use, including the neuro and peripheral vasculature. The SOFIA[™] Catheter can be used to facilitate introduction of diagnostic or therapeutic agents. The SOFIA[®] Catheter is not intended for use in coronary arteries.

RX Only: Federal (USA) law restricts this device to sale by or on the order of a physician.

This device should be used only by physicians trained in percutaneous, intravascular techniques and procedures at medical facilities with the appropriate fluoroscopy equipment. The Wedge Microcatheter should only be used by physicians who have received appropriate training for the device.

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