

# 4.3F DAC™ Provides Support in Tortuous AVF Case

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## PATIENT PRESENTATION

- Octogenarian with indirect Carotid Cavernous Fistula causing left eye ophthalmoplegia, increased intraocular pressure, chemosis, exophthalmos and severe headaches

## INTERVENTION

- Microcatheter placed in the middle Meningeal Artery
- 4.3F DAC used to support microcatheter during multiple catheterizations of small pedicles
- Embolization of the Internal Maxillary Artery using coils
- Contrast injected through the 4.3F DAC for the final angiogram

## PROCEDURAL CHALLENGES AND DAC™ SOLUTIONS

### PROCEDURAL CHALLENGES

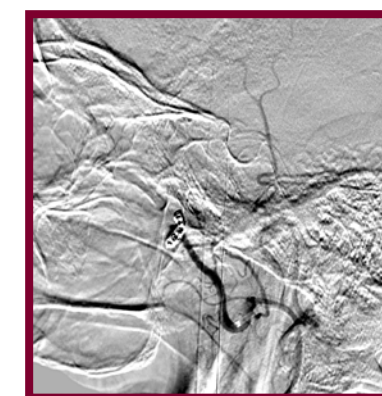
- Octogenarian with tortuous vessels that presented with worsening symptoms that necessitated endovascular intervention
- Due to patient's advanced age and co-morbidities, minimizing risk of complications and procedural time were essential to achieving a good clinical outcome
- Multiple catheterizations of vessel leading to various small pedicles feeding the AVF can significantly increase risk of dissection, increase procedural time, and increase contrast volume

### DAC SOLUTIONS

- 4.3F DAC created a stable platform for the microcatheter to be advanced distally limiting the number of catheterizations required through the parent vessel to reach the various pedicles feeding the AVF, thereby reducing the risk of dissection and complications
- Distal support from 4.3F DAC as a secondary base catheter resulted in fewer catheterizations also reducing overall procedural time and total volume of contrast necessary to successfully complete the intervention

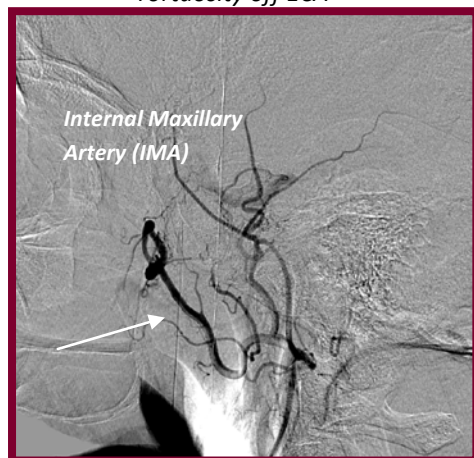
## PROCEDURAL AND CLINICAL OUTCOME

- Contrast injection after occlusion of IMA with coils reveals obliteration of fistula
- 1 day following embolization procedure the patient's ptosis had significantly improved and patient reported amelioration of headaches



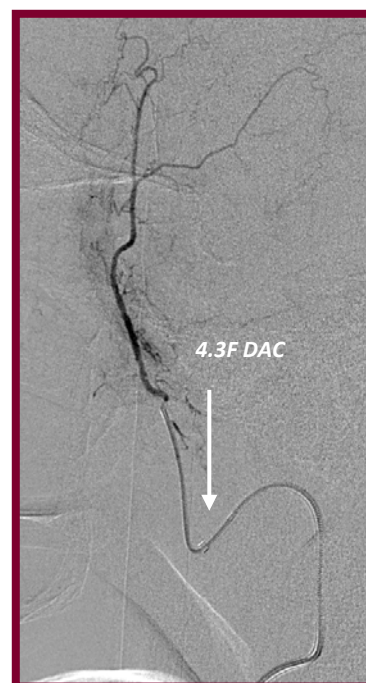
Final Angio: Successful Embolization

Tortuosity off ECA



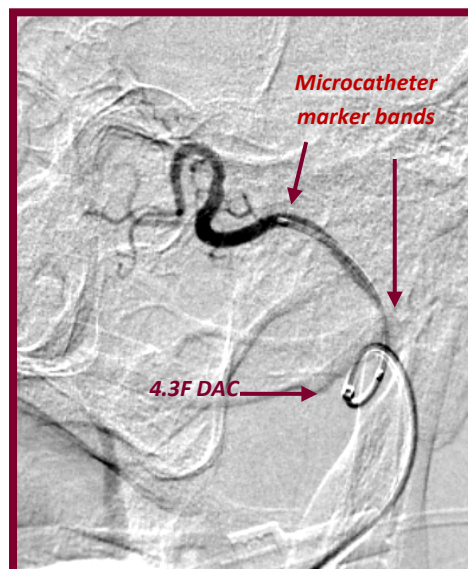
Internal Maxillary Artery (IMA)

Initial placement of 4.3F DAC in Middle Meningeal Artery



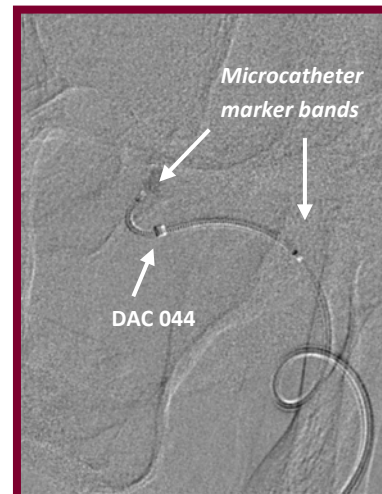
4.3F DAC

Microcatheter advanced through 4.3F DAC



Microcatheter marker bands

4.3F DAC



Microcatheter marker bands

DAC 044

Advancement of 4.3F DAC beyond tortuous loop which allowed microcatheter to be delivered more distally

Distal Internal Maxillary Artery following embolization

