

# Symptomatic Giant Cavernous aneurysms

Complete ophthalmic evaluation:  
Visual Field  
Oculomotor nerves

Control risk factors (HTA, Smoking,  
etc)

MRI evaluation of the mass effect  
DSA with balloon test occlusion

Make therapeutic decision together with the patient taking into account: centre  
experience, anatomy, patient age, country setting

Good cross-flow on balloon test occlusion

No good cross-flow on balloon test occlusion

Deconstructive Therapy

Use the smallest size possible in order to have ensure  
safe landing zones and good superposition.  
Smaller devices are easier to open.

Send patients to ophthalmic control in the first  
weeks after treatment (treatment for diplopia)

Follow-up with MRI and DSA  
Double antiplatelet therapy

Reconstructive Therapy

Telescopic technique

Measure vessel diameter

Ideally use simulation software's in order to choose the right sized stents and to anticipate proximal and distal positioning of each stent

Anterograde technique

Retrograde technique

More reasonable if large saccular and concerns about losing access

Less problems with getting access after deployment of the first stent;  
Most important to consider first stent apposition in the petrous segment in order to prevent proximal endoleak;  
Terminate in straight segments;  
Ensure good devices apposition and at least 5-10mm superposition of the devices;  
Use the smallest length possible in order to ensure safe landing zones and good superposition.  
Smaller devices are easier to open.

Most important is not to loose access to the distal device after deployment;  
Diameter of the devices is important: the proximal device must have a bigger diameter as compared to the distal device in order to ensure good apposition and prevent floating;  
If difficulties in recrossing the first device, you may gently push the pusher wire more distally in the MCA so that you get more support in pushing your microcatheter inside the distal stent;  
Use the smallest length possible in order to ensure safe landing zones and good superposition.  
Smaller devices are easier to open.