

## Successful endovascular embolization in the treatment of a patient with a ruptured PCOM aneurysm using equipment from the ProCardia Medical portfolio

### Procedure

Peter S. Amenta, MD from Tulane Medical Center in New Orleans in 2018 performed a successful treatment of ruptured posterior communicating artery (PCOM) aneurysm. To reach an occlusion he used products of **Microvention Inc.**

**The effect of intervention was complete occlusion of ruptured aneurysm while protecting the flow in parent vessel (PCOM).**

Peter Amenta summarized the treatment using the Scepter XC<sup>®</sup> balloon catheter as follows:

*“The Scepter XC<sup>®</sup> Balloon’s ability to conform to the anatomy provided excellent support for the coil mass, which allowed for complete durable obliteration of the aneurysm, while protecting the origin of the parent vessel.”*



### Patient

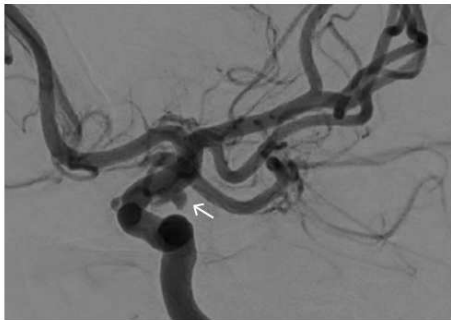
A 50-year-old woman was diagnosed with Hunt Hess III subarachnoid hemorrhage. The cause of the haemorrhage was a ruptured aneurysm, size 3.5 x 3mm located on PCOM. Because co-morbidities rendered the patient an extremely poor surgical candidate, it was necessary to perform aneurysm embolisation with endovascular methods. The procedure was particularly demanding due to the location and the shape of the aneurysm - it had a very wide neck and a large PCOM artery emanating from it.

### Discussion and Conclusion

1. **Scepter XC<sup>®</sup> Balloon Catheter** was inflated into the aneurysm neck and protected the origin of the posterior communicating artery.
2. **Headway<sup>®</sup> 17 Microcatheter** easily catheterized the aneurysm and remained stable within the aneurysm during coil deployment.
3. **HydroSoft<sup>®</sup> 3D Coils** within aneurysm were soft, allowing the microcatheter to easily maintain stable positioning in a very small ruptured aneurysm.

## Devices

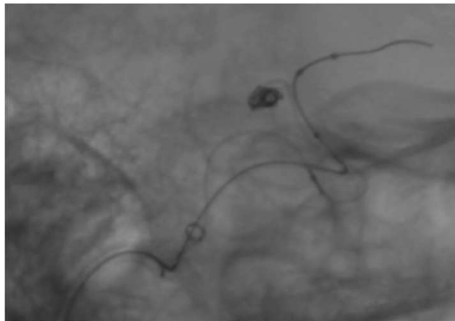
- ✓ 0,014" Guidewire
- ✓ 6F 80 cm Sheath
- ✓ 6F 115cm SOFIA® Access Catheter
- ✓ Headway® 17 Microcatheter
- ✓ Scepter XC® Balloon Catheter
- ✓ Hydrosoft® 3D Coil 3mm x 4cm
- ✓ Hydrosoft® 3D Coil 1mm x 2cm



**Pre-procedure:** 3.5 x 3 mm wide neck PCOM aneurysm



**Intra-procedure:** Headway 17® Microcatheter + Scepter XC® Balloon Catheter for remodeling through SOFIA® 6F Catheter



**Intra-procedure:** Hydrosoft® Coils inside aneurysm with Scepter XC® Balloon Catheter deflated



**Post-procedure:** Aneurysm obliteration and widely patent PCOM artery