

The Penumbra Coil 400™ Embolization System

Penumbra Coil 400™

Conventional 10-system Coil

Final result

Packing Density: 45.9% 05:00 mins.

Packing Density: 27.1% 14:30 mins.



Total: 2 coils
Cumulative Length: 50 cm



Total: 7 coils
Cumulative Length: 118 cm

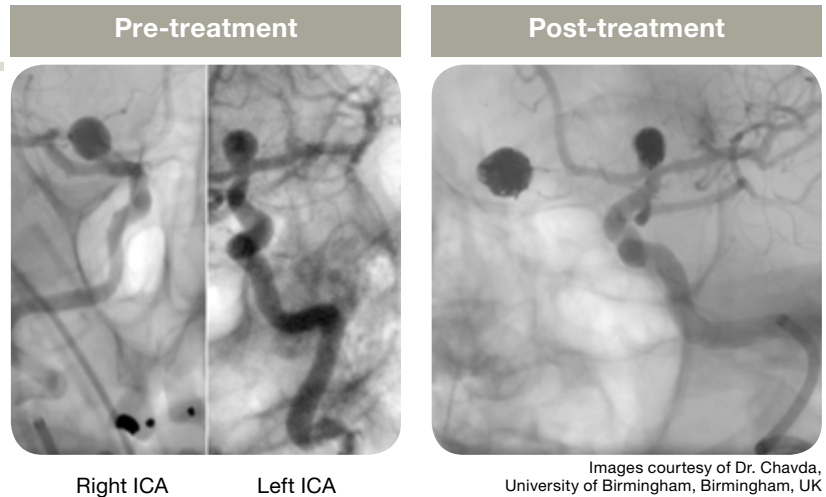
Comparison of Penumbra Coil 400™ with a 10-system coil in a 7.5 mm spherical glass aneurysm

Penumbra 

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Case 1

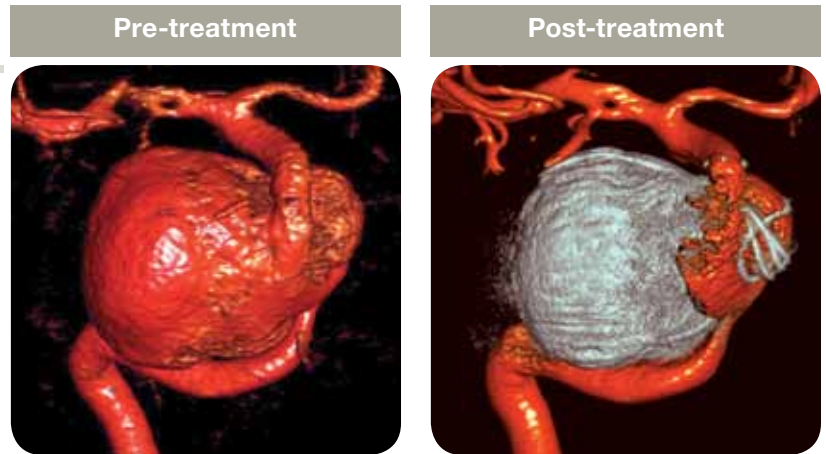
- Bilateral ICA terminus aneurysms
- Right side: 7.3×7.5×8.3 mm
- Treated with 4 Penumbra Coils
—46% packing density
- Left: 6.5×8.6×5.5 mm
- Treated with 3 Penumbra Coils
—37% packing density
- Literature reports similar sized *de-novo* aneurysms treated with 7.6 conventional coils¹



Images courtesy of Dr. Chavda, University of Birmingham, Birmingham, UK

Case 2

- 28×23×23 mm ICA aneurysm
- 14 Penumbra Coils used
- Physician noted: “This aneurysm would have used over 50 conventional coils”.
- Procedure time: 45 minutes, first to last coil



Images courtesy of Prof. Dr. Doerfler and Dr. Struffert, University of Erlangen, Erlangen, Germany

1. Henkes H, et al. Repeated Endovascular Coil Occlusion in 350 of 2759 Intracranial Aneurysms: Safety and Effectiveness Aspects. Neurosurgery 2006; 58:224-232.

Penumbra

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