

Intracranial guide catheter

A stable guide catheter position within the intracranial vasculature is critical for safe, successful endovascular treatment.

Benchmark guide catheter

Chandran et al. retrospectively reviewed use of the Benchmark guide catheter from September through December 2014 in the management of various neuroendovascular intracranial pathologies. Clinical performance and complication rates were evaluated, with particular consideration of vessel tortuosity. A total of 62 Benchmarks were used, 47 in the anterior circulation, 10 in the posterior circulation, 4 in the external carotid, and 1 in the venous sinus. The five cases with access to the external carotid and venous sinus were excluded.

The Benchmark was able to cross at least one 90° turn in 49 (86%) of the 57 patients. Reversal of the catheter was seen in 15% of 47 anterior circulation cases (4 at one 90° turn; 3 at two 90° turns). We report no complications of dissection or thromboembolic events. All guide catheter positions were safely achieved over a 0.035 Terumo stiff guidewire without need for an inner smaller lumen guide catheter for navigation.

Benchmark is a new guide catheter, with an ideal combination of both hyperflexible, atraumatic distal tip and optimized proximal shaft support to provide stable 6F primary access for a successful neurointerventional procedure. Benchmark can be easily, safely, and consistently positioned in a desired location within intracranial arteries providing a stable position for intervention and adequate angiography ¹⁾.

¹⁾

Chandran A, Puthuran M, Eldridge PR, Nahser HC. Distal access using hyperflexible atraumatic distal tip with optimized proximal stability of the Benchmark intracranial guide catheter for the treatment of cerebral vascular diseases: a technical note. J Neurointerv Surg. 2015 Jun 12. pii: neurintsurg-2015-011788. doi: 10.1136/neurintsurg-2015-011788. [Epub ahead of print] PubMed PMID: 26071386.

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