

Antiplatelet Therapy in Endovascular Treatment

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Antiplatelet Therapy in Endovascular Treatment of Cerebral Aneurysm

[Antiplatelet Therapy in Endovascular Treatment of Cerebral Aneurysm](#)

Antiplatelet Therapy in Flow Diversion

Antiplatelet and [antithrombotic](#) medication management before, during, and after [endovascular treatment](#) has significant practice variation.

[Antiplatelet Therapy in Flow Diversion.](#)

Antiplatelet therapy is common and complicates the operative management of acute [intracranial hemorrhage](#). Little data exist to guide [antiplatelet reversal](#) strategies.

An online survey detailing antiplatelet reversal strategies in patients presenting with acute operative intracranial hemorrhage (subdural hematoma (SDH), epidural hematoma (EDH), and intracerebral hemorrhage (ICH)) was distributed to board certified neurosurgeons in the North America.

Of the 2,782 functional email addresses, there were 493 (17.7%) responses to question #1 and 429 (15.4%) completed surveys. Most respondents chose to perform no additional laboratory testing prior to surgical intervention, regardless of hemorrhage type. The most common antiplatelet reversal strategy in the presence of [aspirin](#) was [platelet transfusion](#) (SDH and ICH) or no intervention (EDH). The most common antiplatelet reversal strategy in the presence of an [Adenosine diphosphate](#)

[receptor inhibitor](#) or DAPT was [platelet transfusion](#) or platelet transfusion with [DDAVP](#) administration. There was a statistically significant difference in management strategy depending on the antiplatelet therapy ($p < 0.001$).

When patients on antiplatelet medication present with operative intracranial hemorrhage, the majority of neurosurgeons do not perform qualitative platelet testing. Antiplatelet reversal strategies are significantly influenced by the antiplatelet therapy with more aggressive reversal strategies employed in the presence of ADP antagonists ¹⁾.

¹⁾

Foreman PM, Ilyas A, Mooney J, Schmalz PGR, Walters BC, Griessenauer CJ. Antiplatelet Medication Reversal Strategies in Operative Intracranial Hemorrhage: A Survey of Practicing Neurosurgeons. World Neurosurg. 2018 May 18. pii: S1878-8750(18)31017-9. doi: 10.1016/j.wneu.2018.05.064. [Epub ahead of print] PubMed PMID: 29783009.

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