

Anterior cerebral artery dissection

In a single-patient case report Fuentes et al. from The Medical City, Pasig City published in [Cureus](#) to report a rare case of [subarachnoid hemorrhage](#) (SAH) from a ruptured [pseudoaneurysm](#) secondary to anterior cerebral artery (ACA-A1 segment) [dissection](#), and its successful treatment with [stent-assisted coiling](#). The authors document a favorable outcome following [endovascular treatment](#) of a rare ACA-A1 dissection-induced pseudoaneurysm, arguing for its consideration in similar cases despite the absence of clear [guidelines](#) ¹⁾

Critical Review

This case report contributes to the sparse [literature](#) on anterior cerebral artery dissections—particularly in the A1 segment—and their [endovascular](#) management. However, while the case is clinically relevant, the article offers limited scientific depth.

- **Methodology & Rigor:** The study is anecdotal by nature, limited to a single patient without follow-up beyond clinical recovery. No advanced imaging follow-up (e.g., DSA post-treatment surveillance) or long-term outcome data are provided.
- **Literature Integration:** The background is superficially reviewed, lacking detailed [discussion](#) of alternative management strategies or prior similar cases for context.
- **Educational Value:** The report could have enhanced its utility by discussing decision-making rationale (e.g., why stent-assisted coiling over trapping or parent vessel sacrifice) or presenting a flowchart for clinical guidance in such rare cases.
- **Figures & Documentation:** Assuming standard Cureus formatting, the images likely support diagnosis and intervention but are not discussed in the abstract or citation—reducing evaluative scope here.

Final Verdict

Takeaway for Neurosurgeons:

ACA dissections, though rare, can present with SAH and [pseudoaneurysm](#) formation; endovascular stent-assisted coiling is a viable treatment when feasible. However, lacking long-term data, this should not yet influence standard protocols.

Bottom Line:

A rare, interesting case with a successful outcome, but scientific contribution remains modest due to limited analysis and scope.

Rating: 2.5 / 10

Publication Date: June 3, 2025

¹⁾

Fuentes DNL, Mercado CMC, Villavicencio J, Mariano MM. [Subarachnoid Hemorrhage](#) From [Ruptured Pseudoaneurysm](#) Secondary to [Dissection](#) of the [Anterior Cerebral Artery](#): A [Case Report](#). [Cureus](#). 2025 Jun 3;17(6):e85275. doi: 10.7759/cureus.85275. PMID: 40612842; PMCID: PMC12224219.

From:
<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**

Permanent link:
https://neurosurgerywiki.com/wiki/doku.php?id=anterior_cerebral_artery_dissection

Last update: **2025/07/04 16:41**

