

**Flow-diverter deployment** within a **stent** remains controversial, but flow-diverter deployment within a **scaffolding stent** has been performed occasionally.

Poker et al. aimed to evaluate whether the **scaffolding** technique adversely affects the outcomes of **flow diversion**.

Patients who had undergone **Intracranial Aneurysm Flow Diversion** using a **Silk flow diverter** with (scaffolding group) or without (bare flow-diverter group) a scaffolding stent were identified retrospectively and compared. Propensity score matching was used to match the aneurysms in both groups for variables with a significant difference between groups. Aneurysm occlusion rates and clinical outcomes were compared.

Results: There were 84 patients (105 aneurysms) in the bare flow-diverter group and 21 patients (22 aneurysms) in the scaffolding group (using 20 LEO stents and 1 Enterprise stent). The aneurysms in the scaffolding group were larger (mean, 13.1 [SD, 10.7] versus 7 [SD, 4.5] mm,  $P = .001$ ) and more likely to be fusiform (40.9% versus 5.7%,  $P < .001$ ) than in the bare flow-diverter group. After 2:1 propensity score matching, 24 aneurysms in the bare flow-diverter group and 15 in the scaffolding group were matched. Aneurysm occlusion rates did not significantly differ between groups at 1-3 months (41.2 versus 33.3%,  $P > .99$ ), 3-6 months (55.5 versus 75.0%,  $P = .44$ ), 7-12 months (65.0 versus 90.0%,  $P = .21$ ), or beyond 1 year (73.6 versus 91.6%,  $P = .36$ ). There was no difference in complication rates between the groups ( $P > .99$ ).

Conclusions: Placement of a scaffolding stent before flow diversion does not adversely affect aneurysm occlusion or complication rates <sup>1)</sup>.

<sup>1)</sup>

Poker A, Öcal O, Öztürk E, Arat A. Propensity Score Analysis of Flow Diverters Placed in Scaffolding Stents. AJNR Am J Neuroradiol. 2021 Mar 4. doi: 10.3174/ajnr.A7040. Epub ahead of print. PMID: 33664116.

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Last update: **2024/06/07 02:54**

