

In situ side-to-side (STS) anastomosis is a unique technique used for intracranial artery-intracranial artery revascularization. Over a 7-year period, 7 STS anastomoses were performed for anterior cerebral artery aneurysms in 6 patients and a posteroinferior cerebellar artery aneurysm in 1 patient. We provide a step-by-step guide for suturing techniques from arteriotomy to vessel wall sutures based on clinical experiences, with detailed illustrations. Technical considerations in each stage are also discussed. The current technique provides a viable option for treatment of complex aneurysms. ¹⁾

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Ryu J, Chung Y, Lee SH, Cho WS, Choi SK. In Situ Side-to-Side Anastomosis: Surgical Technique and Complication Avoidance. World Neurosurg. 2018 Feb;110:336-344. doi: 10.1016/j.wneu.2017.11.087. Epub 2017 Nov 23. PMID: 29174234.

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