

Y-configuration or Half T stent-assisted aneurysm embolization for the aneurysm involving the origin of (fetal type) posterior communicating artery.

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Internal carotid artery-posterior communicating artery aneurysms (Ic-PCoA AN) is the most common location of cerebral aneurysms, and most cases are treated with endovascular surgery. However, the case with the fetal-type Posterior communication artery arising from an aneurysm dome is challenging to treat with coil embolization.

In such cases, we select the Y-configuration stent or Half T stent assist aneurysm embolization depending on the relationship between the origin of the Posterior communication artery and the aneurysm neck.

From 2019 to August 2023, we experienced 18 cases (Y stent:10, Half T stent: 8). We could place stents in appropriate locations for 17 or 18 cases and did not experience any ischemic or hemorrhagic complications.

From our experience, we will talk about the usefulness and problem of these techniques.