Telescopic stenting for treatment of ruptured tiny aneurysm with parent vessel diameter less than 2mm: a case report and review in literature

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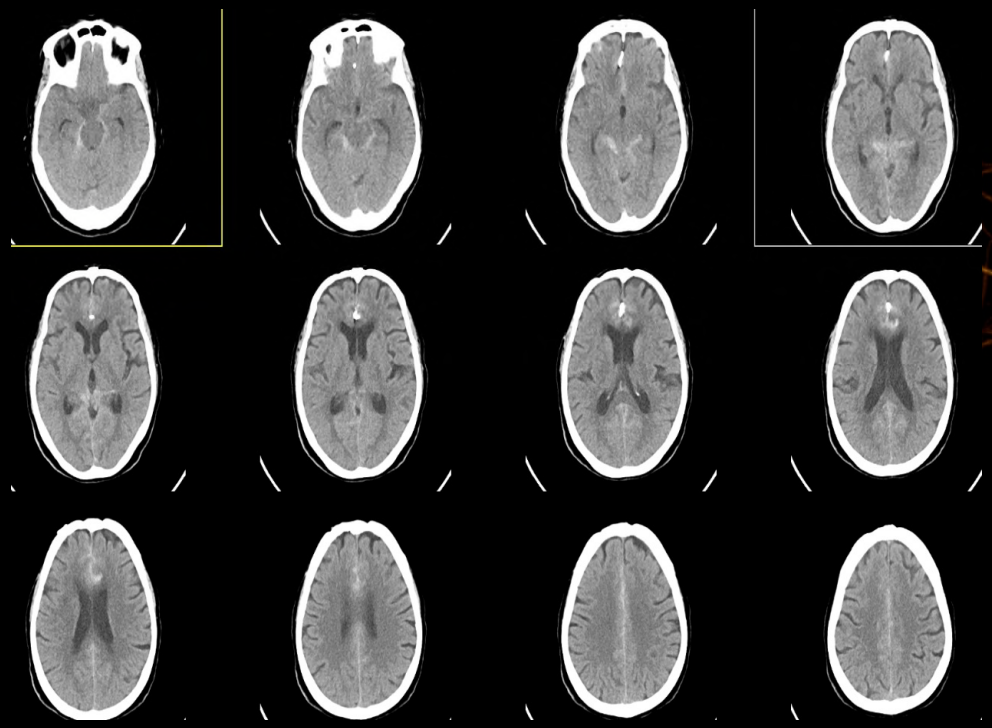
The rupture nature, the small size of the aneurysmal sac for treatment, the small diameter of the parent vessel for stenting, and the relatively distal location of the distal ACA

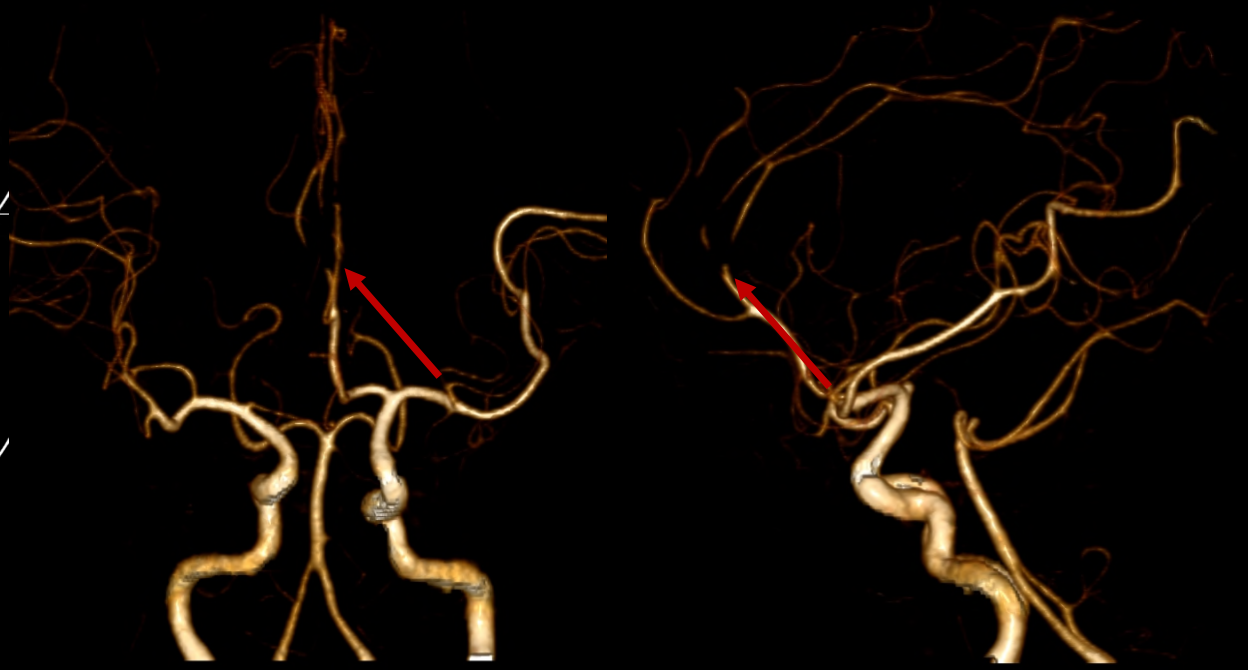
-> telescopic stenting for vessel remodeling and flow diversion achieved successful outcome

인하대병원

2022.10.21 F/76 **C.C** headache **Onset** 5 days ago **Hunt Hess** II

Intracranial angio CT





SAH, No intracranial vascular malformation

s/p surgical clipping state in distal ACA aneurysm

2022.10.21 & 10.31 TFCA



Initial TFCA
: Well clipped state of
previously clipped DACA



10days f/u TFCA
: pseudosac of Left. distal ACA
(WLND 1.99 x 0.93 x 1.68 x 1.54mm)

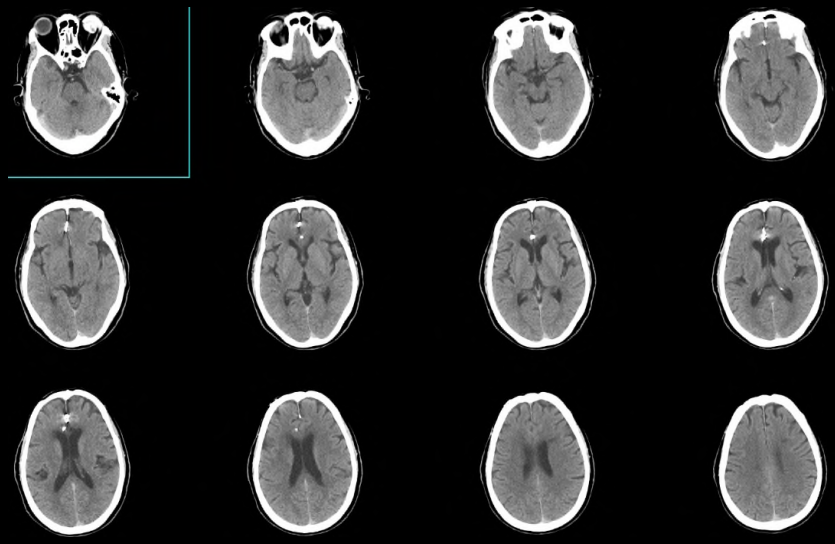
2022.11.03 telescopic stenting

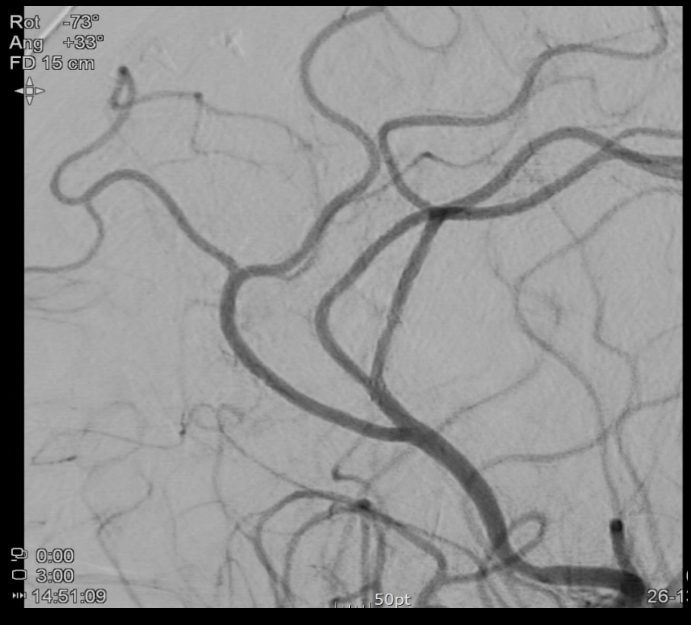




- Telescopic stenting for reruptured previously clipped Lt. DACA
  (WLND 1.99 x 0.93 x 1.68 x 1.54mm)
- 2 LVIS Jr stents was deployed.

2023.02.07 Brain CT & TFCA





- During the follow-up period with maintenance of dual antiplatelet medication
- No deterioration and further bleeding events
- Follow-up cerebral angiography after 3months

- disappearance of the aneurysm
- showed no in-stent stenosis in the parent vessel.

Discussion & References

Neurosurgical Review (2020) 43:771–780
https://doi.org/10.1007/s10143-019-01119-y

ORIGINAL ARTICLE

Dissecting distal cerebellar artery aneurysms: options beyond a parent vessel sacrifice

Gopinathan Anil[1] · Lwin Sein[2] · Vincent Nga[2] · Kejia Teo[2] · Ning Chou[2] · Tseng Tsai Yeo[2]

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- Three patients were treated with telescoping stents (two overlapping LVIS Jr. stents were deployed to achieve two layers of metal coverage across the aneurysm neck and the dissected parent vessel.)
- Good stent wall apposition and flow stasis within the aneurysm.
- Result : occlusion of the aneurysms with patent parent vessel remodeled around the stents