SINE followed misjudged TEVAR & the importance of IMA

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Disclosure

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I do not have any potential conflict of interest
Clinical history & Dz-histroy

A 67-year-old woman with a past medical history of PCI was found to have a huge un-ruptured TAA, arising from the proximal DTA with a maximal diameter of 8.9 cm, 2 years back.

SINE developed after TEVAR.

Medical FU with Aorta CT, but progression of SINE.
Aorta CT showing TAA

Aorta CT showing TAA
SINE & IMA after frist TEVAR
Bypass surgery
Catastrophic event-mesenteric ischemia
Selective angiography after recovery
Aorta CTA after recovery
Changes of IMA in size
Secondary TEVAR
Take home messages

Many factors influence the patency of the debranching vessels:
  - Rheological aspect of flow dynamics & angulation
  - Hypertrophic IMA:
    - Present IMA-dependent mesenteric & pelvic circulation
  - Careful review of the preprocedural CTA before a planned TEVAR
Thank you for your attention
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