Aortic arch reconstruction with a new branched stentgraft——a First in Man Study

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Disclosure

Speaker name: Xin Jia

I have the following potential conflicts of interest to report:

- Consulting
- Employment in industry
- Stockholder of a healthcare company
- Owner of a healthcare company
- Other(s)

✔ I do not have any potential conflict of interest
The First Part
The Second Part

**Pro. Part:** Excellent radio force

**Mid. Part:** Flexible covered stent

**Dis. Part:** Good adherence performance
The proximal end of the stent graft can be bent into shape, with small resilience and good bending flexibility.

The distal end of the covered stent adopts a smaller wire diameter, which has a smaller radial force.

WeFlow-Arch™
Animal Experiment

- 6 month FU, CTA: stent graft and branch patent
- Animal number: P-4098
CASE 1: M, 74y, Aortic arch aneurysm
Risk factor: MI, hypertension, current smoker
3D printed model and in vitro simulation
The first piece implantation and bilateral carotid access
Innominate a. / left carotid reconstruction and the third piece implantation after LCCA-LSA bypass
One month CTA FU
Short Summary

Advantages
- For lesions involving arch and ascending aorta
- Cerebral blood flow unaffected in each step
- Adjustable deliver system, good stability

Limitation
- Unsuitable for lesions insufficient ascending landing zone
- LSA might need a surgical bypass
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