WeFlow-JAAA™:

A Novel JAAA Stent Graft System

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Disclosure

Speaker name: Guo Wei

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)

- [x] I do not have any potential conflict of interest
- Fenestration technique has become the optimal choice for JAAA
- Z-FEN has been the main device
- Z-FEN: customized product, at least six weeks for customization, unsuitable for emergency cases
- High cost and complicated procedures
- Need developing universal, convenient use device for JAAA
WeFlow-JAAA™

- 1 Scallop + 1 Fenestration + 2 embedded branches
- Scallops for reservation of Celiac trunk artery
- Fenestration for reconstruction of SMA, with 10mm diameter
- Sealing ring for improving sealing efficiency
- Proximal main body diameter: 20-36mm
- Two embedded branches for reconstruction of renal arteries with 7mm diameter and 15mm in length.
WeFlow-JAAA™

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- Distal bifurcated stent graft: no long bare stent with hook.
Delivery System

- Tip capture release and main body semi-release, keeps the Stent releasing in control.
- Three pre-loaded guidewires were set in the delivery system to make it easy to rebuild SMA and renal arteries.
The pre-loaded guidewire can be visualized clearly under DSA
- The length between aneurysm and SMA: ≥5mm
- The neck angulation: <60°
- The angulation between CA and SMA origins: <60°
On October 28, 2019 the first clinical study on the treatment of complex AAA with WeFlow-JAAA™ was successfully completed in the PLA General Hospital; Up to now, 6 clinical cases have successfully enrolled; Ongoing design verification and validation.
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Case-1: M/59yo, JAAA, HT, CAD
On October 28, 2019 the first clinical study on the treatment of complex AAA with WeFlow-JAAA™ was successfully completed in the PLA General Hospital; Up to now, 6 clinical cases have successfully enrolled; Ongoing design verification and validation.

Case-2: M/67yo, JAAA, HT, CABG
On October 28, 2019 the first clinical study on the treatment of complex AAA with WeFlow-JAAA™ was successfully completed in the PLA General Hospital; Up to now, 6 clinical cases have successfully enrolled; Ongoing design verification and validation.

Case-3: M/78yo, JAAA, HT
FIM Study

Clinical cases have successfully enrolled. Ongoing design verification and validation.

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Case-3: M/78yo, JAAA, HT
On October 28, 2019 the first clinical study on the treatment of complex AAA with WeFlow-JAAA™ was successfully completed in the PLA General Hospital; Up to now, 6 clinical cases have successfully enrolled; Ongoing design verification and validation.

Case-4: M/72yo, JAAA, CAD, HT, COPD
On October 28, 2019 the first clinical study on the treatment of complex AAA with WeFlow-JAAA™ was successfully completed in the PLA General Hospital; Up to now, 6 clinical cases have successfully enrolled; Ongoing design verification and validation.

Case-5: M/68yo, JAAA, HT
On October 28, 2019 the first clinical study on the treatment of complex AAA with WeFlow-JAAA™ was successfully completed in the PLA General Hospital; Up to now, 6 clinical cases have successfully enrolled; Ongoing design verification and validation.

Case-6: M/72yo, JAAA
Summary

- We are trying to develop a non-customized stent graft for J-AAA
- The design of WeFlow-JAAA ensures the generalization of the device, emergency cases can be treated without delay.
- The evolution of delivery system make the reconstruction of branch vessels more accurate and more convenient.
- First-in-man study showed the device was safe and feasible.
- But still need more experiences and long-term follow up data.
Thanks for your attention