Accuracy and alignment near and in the aortic arch

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Disclosure

Speaker name:
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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
NEAR TO THE AORTIC ARCH: avoid gap & retroflex

**Advancing Delivery:** Dual Sheath / Pre-curved Catheter

- The pre-curved inner catheter gives the clear advantage in *navigating tortuous aortas*

- Flexible sheath excels in tight arches and enables *precise deployment*

- The spiral S-Bar provides the columnar strength to support *accurate deployment and enhances conformability*
NEAR TO THE AORTIC ARCH: avoid gap & retroflex

3 features working together to provide the ability to: Reposition, Avoid the GAP, and Prevent Retroflex.

2 superior clasping points

Atraumatic Support Wires

‘full deployment of the proximal end last’
IN THE AORTIC ARCH

seal & preserve

Scallop shape: endoleaks risk reduction

- Different stent distribution could provide better apposition to the wall, minimizing the risk of endoleak.

- The CENTRAL and LATERAL Dumbbell markers have different roles:
  - **Central Marker**: To be positioned just beyond the target vessel (distally/proximally for proximal/distal scallops)
  - **Lateral Markers**: To be positioned as a reference of the beginning/end of the graft.
  - Can also be used as a reference of radial alignment
IN THE AORTIC ARCH
seal & preserve

Pathology in the inner curve of aorta
IN THE AORTIC ARCH

seal & preserve

2 vessels target
ostium too wide for scallop
Were the stent-graft is not in touch with aortic wall

- The scallop is defined by two main measurements:
  - Length
  - Width

- While there is NO LIMITATION for the LENGTH of the scallop, the limit of width goes according to this Table.

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<tr>
<th>Diameter (mm)</th>
<th>SCALLOP MAX width</th>
<th>FENESTRATION MAX width</th>
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IN THE AORTIC ARCH
seal & preserve

Ostium of the vessel target >12 mm → covered stent
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LOW PROFILE
PRE-CURVED CATHETER MARKERS FOR VISIBILITY MICROMETRIC + PULL BACK

BARE & NBS
SCALLOP & FENESTRATED OPTIONS
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