How does the Nellix endograft Facilitate EVAR in women and Asians?

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How Nellix facilitate in women & Asians

Challenging Anatomies
Aortic Neck
Iliac arteries (including Access)

Technical considerations
Simplified procedures
Clinical outcomes
Post implantation syndrome

Disclosure
Endologix
Medtronic

Caucasians
Asians

Caucasian, male
2.7 X
Asian, male
3.2 X

Caucasian, female
2.7 X
Asian, female
3.7 X

Tantarattanapong W, et al. in press
How Nellix facilitate in women & Asians

Challenging Anatomies

More angulation and tortuosity
Aortic Neck – Short
Cone-shaped
iliacs – Short CIAs
Small external iliac arteries

Challenging Aortic Necks

More angulation and tortuosity
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Nellix in severely angulated neck

71 yo female, 68 mm AAA
Ø 19 mm.
Ø 14 mm.
Ø 15 mm.

Chimney EVAS

The Endovascular sealing Device in Combination with Parachute grafts for Treatment of Juxtadepressional Abdominal Aortic Aneurysms: Short-term Results of a Novel Intervention

Cone-shaped Neck
Nellix for cone-shaped neck

Short and Large CIAs

Mean length, mm

<table>
<thead>
<tr>
<th>RCIA</th>
<th>LCIA</th>
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<tbody>
<tr>
<td>29.9</td>
<td>34.2</td>
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Mean diameter, mm

<table>
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<tr>
<th>RCIA</th>
<th>LCIA</th>
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<tr>
<td>20.2</td>
<td>17.9</td>
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Need to cover IIA because of short or aneurysmal CIAs

51%

Nellix in short CIAs

73 yo male, 80 mm AAA
Neck – 18 mm-long
Iliacs – Short LCIA (20 mm)

Nellix in AAA with CIA aneurysm

70 yo male, 60 mm AAA with Rt. CIA aneurysm

Occlude CIAA @ its orifice

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Technical considerations
Simplified procedure:
No need for contralateral cannulation
2 small delivery systems – 17 Fr
How Nellix facilitate in women & Asians

Challenging Anatomies
- Aortic Neck
- Iliac arteries (including Access)

Technical considerations
- Simplified procedures

Clinical outcomes
- Post implantation syndrome

Conclusions
- Certain Asian anatomy can be challenging (i.e. angulated neck & short CIAs)
- Nellix may be considered in:
  - Challenging neck: cone-shaped neck
  - chimney EVAS in short / angulated neck
  - Short / Aneurysmal CIAs
- Nellix offers
  - Simple procedure
  - Less frequent and less severe post implantation syndrome.

Thank you