How to deal with difficult aortic necks-
The interventional armamentarium

Prof. Dr. K. Donas

Head of the Department of Vascular Surgery
Director Research Vascular Centre
Asclepios Clinic Langen, University of Frankfurt, Germany
Disclosure

Speaker name:
Konstantinos .P. Donas..............................................

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
Different pathologies with short necks

- Aneuysms/PAUs
- Para-anastomotic aneurysms
- Type IA endoleaks
Theoretical Approach at Congress

- EVAR
- FEVAR
- CHEVAR
- OPEN REPAIR
<table>
<thead>
<tr>
<th>Needed proximal neck length</th>
<th>Max. Infrarenal neck angulation</th>
<th>Max. Main body Fr size OD</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 mm</td>
<td>60°</td>
<td>20Fr</td>
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<td>2 mm</td>
<td>60°</td>
<td>20 Fr</td>
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<tbody>
<tr>
<td>4</td>
<td>45°</td>
<td>22-25</td>
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Clinical reality in the hospital
Factors Influencing Decision Making in the Treatment of Complex Pararenal Aortic Pathologies: The APPROACH Concept

Konstantinos P. Donas, MD, PhD, Giovanni F. Torsello, MD, and Giovanni B. Torsello, MD
Anatomy of the pathology
Patient’s clinical profile
• Demographics

• Comorbidities

• Age/Life expectancy
Proven literature evidence
RCT’S, PROPENSITY MATCHED ANALYSIS ETC...??????
Renovisceral morphology
RENOVISCERAL MORPHOLOGY
Operator preferences and skills
Device selection

Nitinol Endoskeleton

Stainless Steel Endoskeleton
Access
ACCESS FROM THE UPPER EXTREMITY
Type III AORTIC ARCH AND KINKING OF THE THORACIC AORTA
Costs
Is what we do always cost-effective?
Total costs with reinterventions

<table>
<thead>
<tr>
<th></th>
<th>F-EVAR (N.=37)</th>
<th>Ch-EVAR (N.=111)</th>
<th>P value #</th>
</tr>
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<tr>
<td>Cost</td>
<td>42,128 (41,160-45,863)</td>
<td>22,872 (23,997-28,475)</td>
<td>&lt;0.001*</td>
</tr>
</tbody>
</table>

Taneva GT, Donas KP et al JCVS 2020
Hostile neck
HOSTILE NECK: “**NOT ALL NECKS ARE THE SAME**”

- Straight
- Tapered
- Reversed Tapered
- Angulated*
- Bulge
- Short*

*= Renal Arteries*
HOSTILE NECK
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*With consideration of all 8 points*
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