Endovascular repair for blunt traumatic thoracic aortic injury with involvement of zone 1

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Disclosure

Speaker name: 

.........Giovanni Brancaccio.................

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
Retrograde extension
(rare but challenging)
Neck: 20 mm
Left subclavian artery was covered

60%
Retrograde extension

no TEVAR

Zone 1

GORE TAG [J Vasc Surg 2013]
RESCUE trial Medtronic Valiant Captivia [J Vasc Surg 2013]
RELAY Endovascular registry [Ann Thorac Surg 2014]
ZENITH Alpha low-profile device [J Vasc Surg 2015]
Open surgery

TEVAR + Revascularization LCA
Left Carotid artery was ligated

Vertebral artery
Review of the Literature

cases of intentional coverage of the LCA

<table>
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<tr>
<th>Nº cases</th>
<th>Authors</th>
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unintentional coverage of the LCA
Review of the Literature

cases of *UN*intentional coverage of the LCA

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Conclusions
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• proximal aortic neck length >20 mm
Conclusions

- proximal aortic neck length >20 mm
- Coverage LSA is acceptable
Conclusions

- proximal aortic neck length >20 mm
- Coverage LSA is acceptable
- TEVAR for trauma may include zone 1
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