Endovascular treatment of aortic arch disease

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Disclosure

Speaker name: Timur Imaev
Consulting (Medtronic, Lifetech, Cook, Abbott, Edwards Lifesciences)
Evolution of Aortic Arch Repair

1990 - 2020
Historical essay

1987 – first TEVAR!
1991 – first hybrid aortic arch Z1

«Hand-made» Fenestrated endografts

- Fenestration in vitro
- Fenestration in situ
LSA fenestration
LSA fenestration (+ stentgraft LSA)
LSA + LCA fenestration (+ stentgraft LCA)
Traumatic aortic arch false aneurysm
LSA + LCA fenestration (+ stentgrafts LSA+ LCA)
Aortic arch dissection - Acute Aortic Syndrome
Aortic arch dissection – AAS
Total Endovascular Debranching of the Aortic Arch
*fenestration in vitro*
Total Endovascular Debranching of the Aortic Arch *fenestration in vitro*
Multiple PAU, IMH, AAS
(Total Endovascular Debranching of the Aortic Arch)

IA + LCCA fenestration  in vitro
LSA fenestration  in situ
IA + LCCA fenestration in vitro
LSA fenestration in situ
Conclusions

This technique is an alternative to the traditional treatment of the aortic arch disease. Further accumulation of experience in using this technology and further studying of the long-term results of the application is required.
Thank you.
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