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Organized by:

Institute of Vascular Diseases (IVD), Greece

In collaboration with:



- Story Brook University Medical Center, New York, USA
- Meriational Symposium on Endovascular Therapeutics
- 350C Intervention Master Acrtic Course



Expansion and Atrophy –

aortic wall development after EVAR with an endoleak type II

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The structural atrophy of the aneurysm wall in secondary expanding aortic aneurysms with endoleak type II

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Introduction



- AAA prevalence age dependent 2-11%
- EVAR in 80% of elective and 60% of acute repairs
- specific complications:

type I and III endoleaks (EL) type II EL in 20-32% of EVARs

- ca. 30% spontaneous resolution ca. 30% persist w/o sac growth
- ca. 30% persist w/o sac growth

- immediate repair
- watch and wait
- repair >5mm growth low rupture rate reported



Editor's Choice — Systematic Review and Meta-Analysis of the Outcome of Treatment for Type II Endoleak Following Endovascular Aneurysm Repair

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Conclusion: There is little evidence supporting the efficacy of secondary intervention for type II endoleaks after EVAR. Although generally safe, the lack of evidence supporting the efficacy of type II endoleak treatment leads to difficulty in assessing its merits.

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central research question

What happens in the secondary expanding aneurysm sac wall due to endoleak type II compared to normal aorta and AAA?

Study Design



Results

control aorta



AAA



sec expanding AAA



Results



Results



Summary



Conclusion

central research question

What happens in the secondary expanding aneurysm sac wall due to endoleak type II compared to normal aorta and AAA?

thin and fibrotic wall with little cellularity and enzymatic activity

suggests a widely inert aneurysm sac exposed to the special conditions of EL type II

adds additional evidence to the role of pressure and stress on the aneurysm wall

rupture might be less frequent than secondary/late type I/III endoleak

EVAR follow largement, t thrombus, st distal sealing

wth, luminal

Acknowledgement

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