MAYO CLINIC

WHEN DO TYPE II ENDOLEAKS CAUSE TYPE I ENDOLEAKS AFTER STANDARD **EVAR**

HOW TO BEST DIAGNOSE AND TREAT THEM

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BASIC OBSERVATIONS

- EVAR has supplanted open AAA
- EVAR success is hindered by endoleaks and need for surveillance
- We have no good understanding of the natural history of Type II endoleaks (T2EL) after standard infrarenal EVAR
- T2EL ≠ Sac growth/change



WHAT WE KNOW ABOUT T2EL

- >50% resolve spontaneously
- Early T2EL more likely to resolve
 Late/persistent T2EL can cause sac growth
- · Risk factors for T2EL are known

of side branches

IMA patency size >3mm

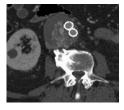
Patent lumbar arteries (>3, >2mm)

Smoking history

PAD Larger AAA

EARLY OBSERVATION OF MOST T2EL IS SAFE

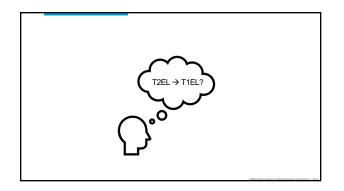
- Rate of rupture after EVAR is estimated to be 0.7 per 100 person-years from the EVAR Trials
- Rupture from Type II endoleak was seen in 1 patient from the Eurostar Registry

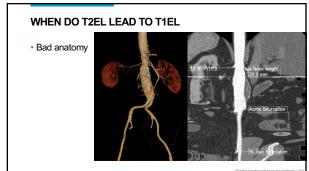


WHAT HAPPENS WHEN THE SAC GROWS...

- · Reasonable to follow slow growing T2EL closely
- Rule out Type I or Type III Endoleak
- When and IF you treat T2EL, use method you are most comfortable with
- Transarterial
- Translumbar
- Transcaval etc







Bad anatomy

WHEN DO T2EL LEAD TO T1EL

