AAA and Diabetes – Why and what for?

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VEITH 2019 Session 5

Disclosures

None

The diabetes paradox

The diabetes paradox

Validated world-wide

Less reintervention after EVAR

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Is it hyperglycemia? (2010)

Miyama et al. J Vasc Surg 2010 © SVS

Dua et al. Surgery 2010

... or AGE deposition/crosslinking?

Koole et al J Vasc Surg 2017 © SVS

Blocking AGE crosslinking promotes AAA

Itoga NK et al J Vasc Surg 2018 © SVS

... or anti-diabetic drug therapy?

Itoga NK et al J Vasc Surg 2018 © SVS
Metformin limits AAA

AGE vs. metformin vs. ?

Take aways?

- Diabetes reduces disease progression
- Worse outcomes, shorter life expectancy
- Less aggressive management?
- Metformin trials ongoing, planned
- Unprecedented translational opportunity