Aortic Graft Infection In-line Reconstruction

How Can In-line Flow be Established? Indications, What grafts, and Technical Tips

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Disclosure

- Nothing to disclose
- No relevant financial relationship(s) with any commercial interest that pertains to the content of this presentation



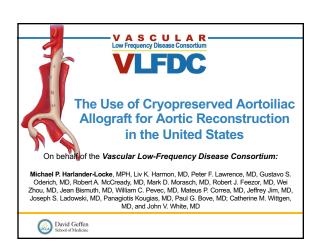


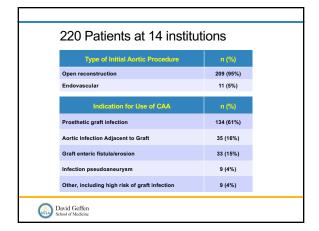
VLFDC Studies: Aortic Graft Infection

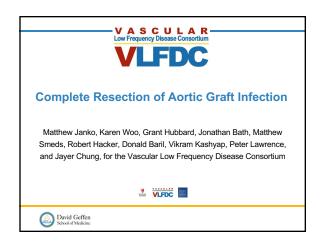
- · Aortic graft infection: 0.5-6%
- · High mortality, limb loss, and recurrent graft infection reported in many
- · Debate about optimal treatment
- · Limited series, with low volume of cases and conflicting management advice
- Five VLFDC studies with >800 patients in 24 institutions



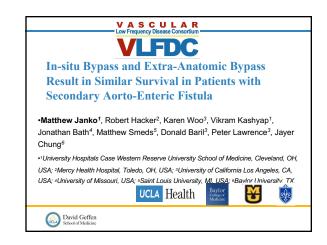


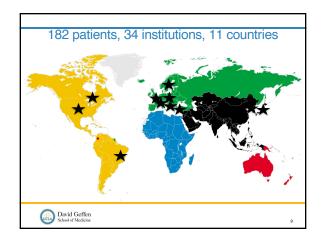


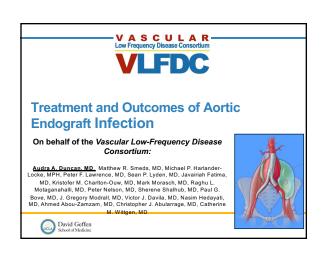


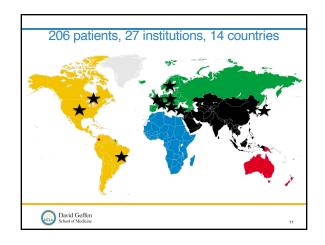




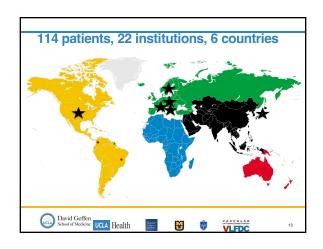












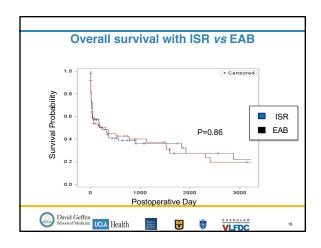
Questions Related to In-line

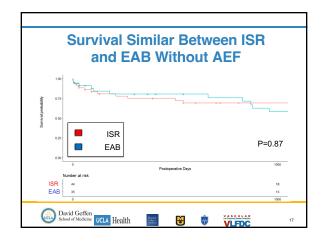
Treatment of Aortic Graft Infection

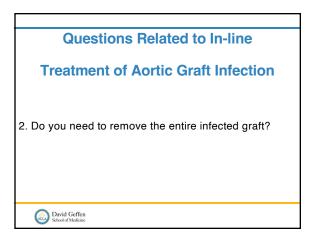
- Are results comparable, better, or worse than extra-anatomic bypass?
- 2. Do you need to remove the entire infected graft?
- 3. Are there are differences in outcome if the AGI is due to endograft or AEF infection?
- 4. What are the techniques to prevent AGI infection recurrence?

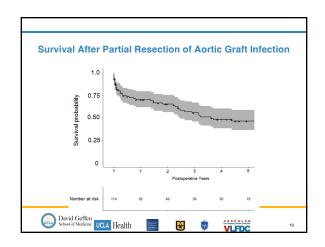


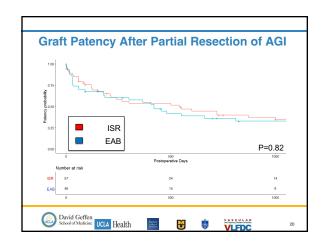


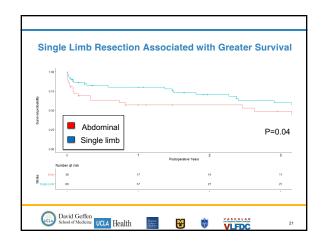


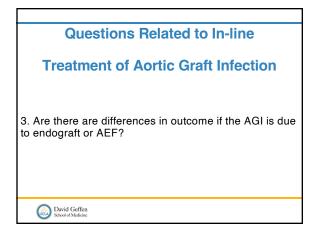


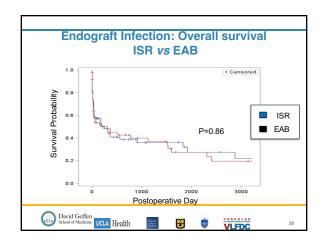


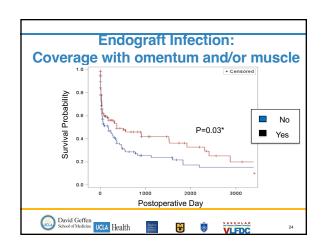


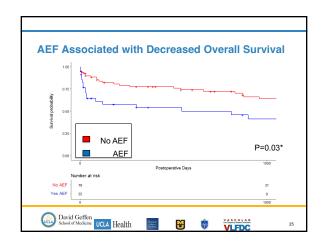


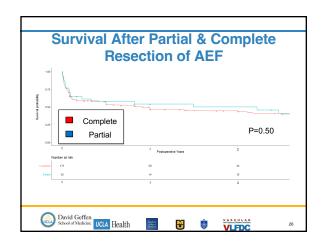


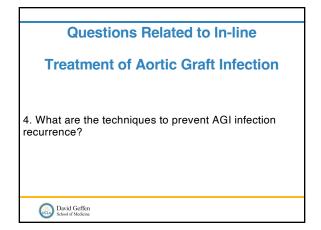


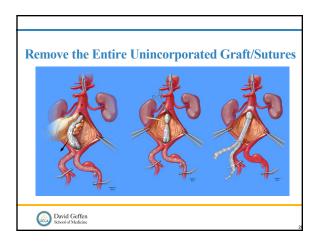


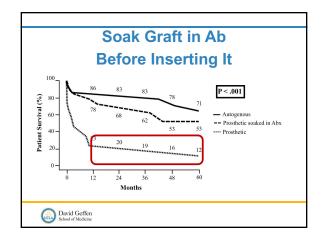


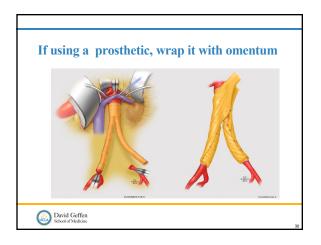


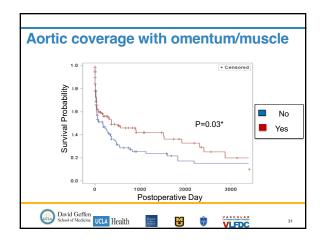












Conclusions

- In-line reconstruction is comparable to extraanatomic bypass mortality and graft patency
- AEF has higher mortality; endograft does not
- When using in-line reconstruction, remove entire infected, unincorporated graft
- Partial resection of single limb graft infection has a lower mortality that entire graft removal
- Soak prosthetic grafts in Ab before insertion
- Wrap prosthetic grafts with omentum

