New developments in the treatment of prosthetic aortic graft infection facilitate in situ repair: NPWT and bovine pericardium vascular grafts/techniques and results

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DISCLOSURES
Nothing related to my presentation
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Payed speaker on other events

The concept to treat AGI
- Complete removal of the infected graft
- Extensive wound debridement
- Local measures
- Systemic antibiotic treatment
- Biological safeguarding with vital tissue
- Silver/triclosan protected graft

A new chance for graft preservation?

Weak points

Hypochlorite solution of hypochloric acid (effective also against MRSA, VRE, 4 MRGN and fungi)
The new concept to treat AGI

- Multistage procedure (NPWT)
- Complete or partial removal of the infected graft or preservation
- Extensive wound debridement
- Local measures (hypochloric acid)
- Systemic antibiotic treatment
- Biological safeguarding with vital tissue
- The silver/triclosan protected graft or pericard graft

Vascular Graft Infections
New Aspects: Pericardium

Product is not available in the US
Compassionate use in Europe
Vascular Graft Infections

New Aspects: Pericardium

November 2016: Time out for the Biointegral - Silver/Triclosan or self-made pericardium grafts

2004 – 2011
n:15

12 patients with AGI and multistage procedure
1 + (MI)
Partial or complete graft preservation n:4

11/2015: Reinfestation 2p of 34
11/2016: Reinfestation 13p of 63

Silver/Triclosan grafts, 2 pericardium grafts

Without NPWT