


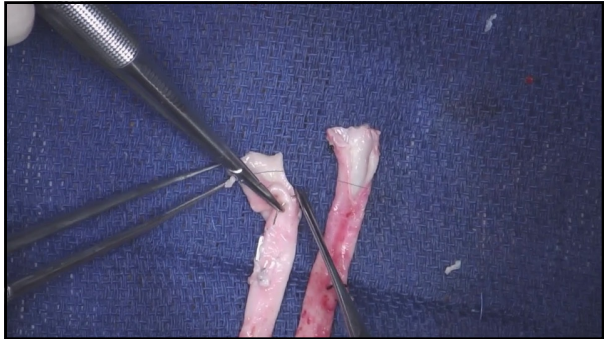
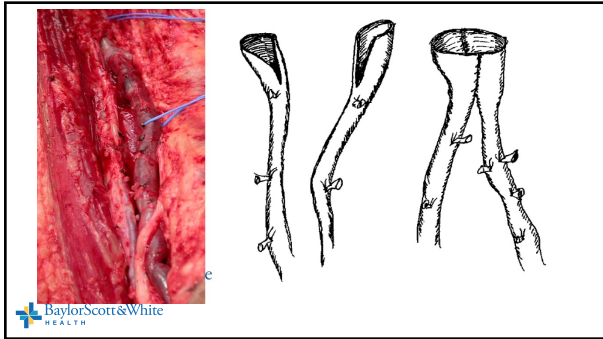
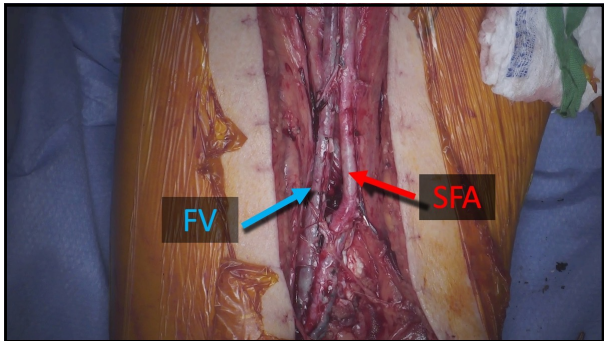
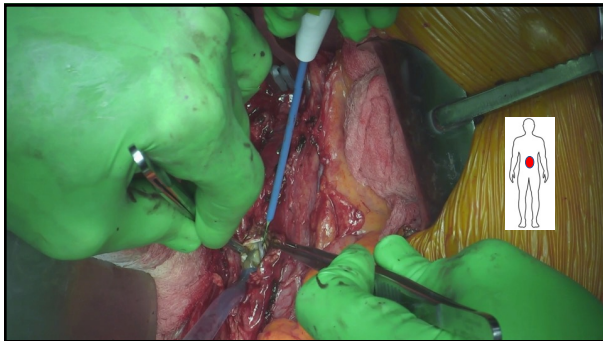

# NAIS: How I Do It Tips and Tricks

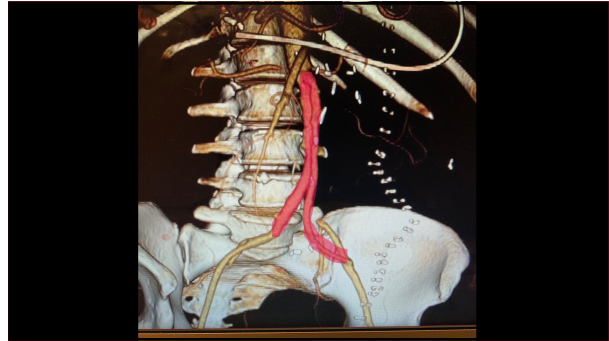
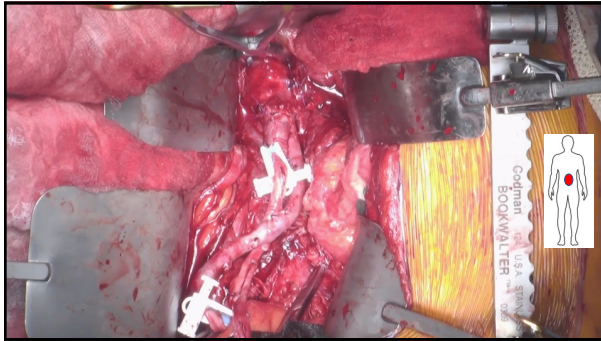
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## Disclosures

- None





**NAIS:**  
Neo-Aortoiliac System  
1993

- Clagett (USA) - U Texas Southwestern
- Nevelsteen (Belgium)
- Replacement of infected aortoiliac segment with femoral (deep) vein

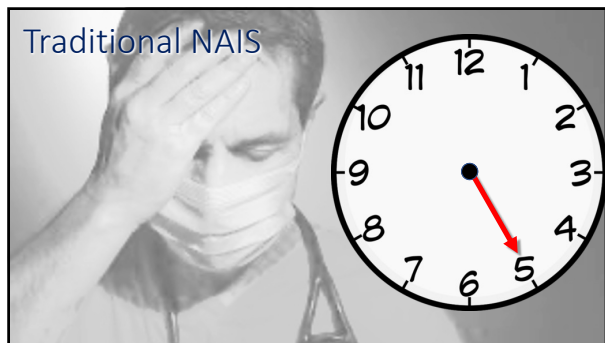
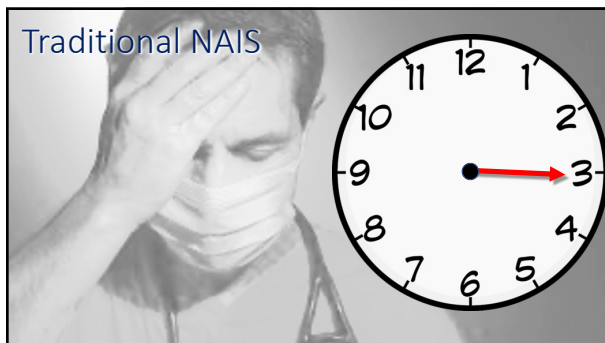
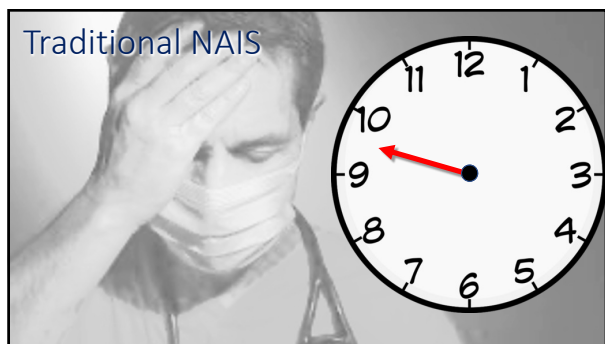
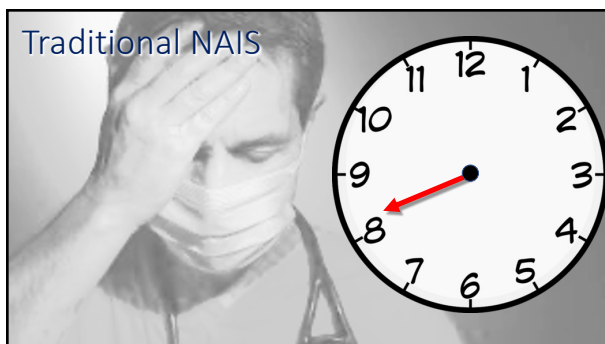
**Deep Vein Harvest**

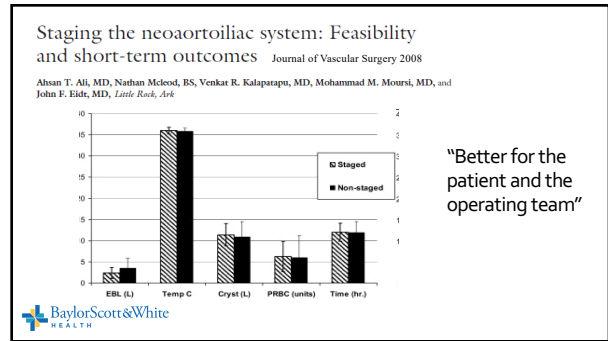
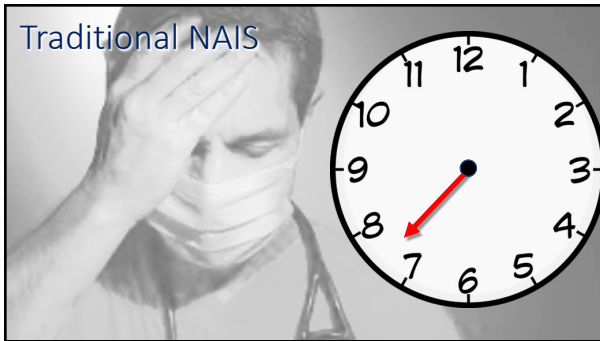
Unjustified reputation  
"Too long and tedious"  
"No better than cryo"

**Tips**

1. Stage the NAIS
2. Vein graft creation
3. Managing GI tract
4. Early Feeding
5. Tissue coverage

**Traditional NAIS**





### Day One

- Lines and tubes
- Expose femoral veins
- Suture ligate branches
- Preserve profunda femoris vein
- **Leave veins in continuity**
- Staple the skin
- SCDs and SICU

2-3 hours

### Day Two

6-8 hours

- Harvest deep veins
- Design/construct graft
- Takedown AEF/GEE
- Complete graft excision
- In situ revascularization
- Omental Flap

### Staged NAIS = Happy Team

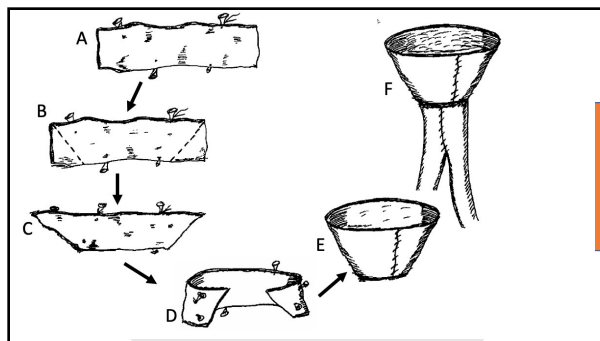
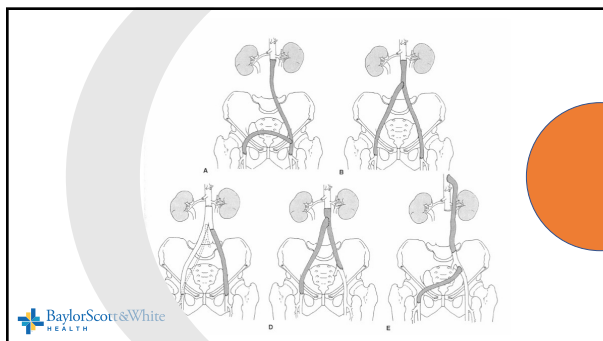
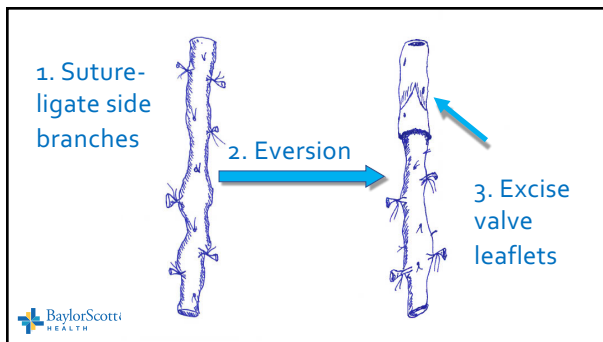
- No adverse consequences of staging
- Easier on the patient and the operating team

Ahsan Ali MD

BaylorScott&White HEALTH

### Tips

1. Stage the NAIS
2. Vein graft creation
3. Manage GI tract
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**Tips**

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**GI tract**

- Primary repair
- Resection

Meticulous "zero leak" repair

omentum

**Infectious disease**

- Obtain quality intraoperative samples
- Notify micro lab
- **Remember fungus esp candida glabrata**
- Preferred antibiotic mix
  - Linezolid (Zyvox)
  - Piperacillin/tazobactam (Zosyn)
  - Micafungin (Mycamine)

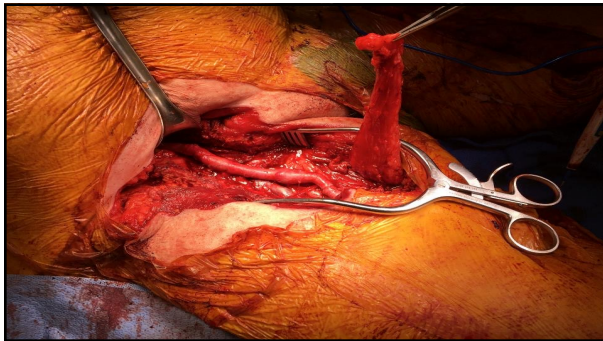
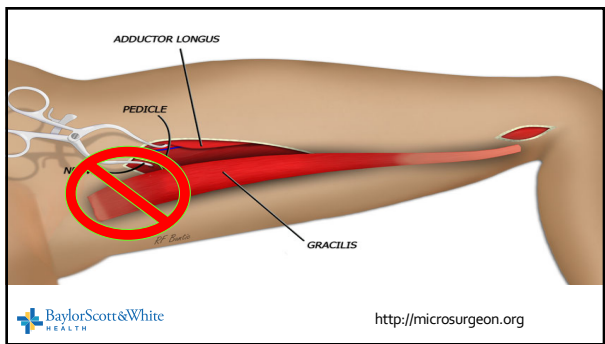
**Tips**

1. Stage the NAIS
2. Graft design
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- Early feeding with elemental diet
- Positive nitrogen balance

Tips

1. Stage the NAIS
2. Graft design
3. Manage GI tract
4. Early Feeding
5. Tissue coverage



Standard protocol

- In situ rifampin-soaked graft reconstruction
- 360-degree coverage with omentum

## Summary

- NAIS is an effective treatment for most aortic infections
- **Staging the NAIS** is our preferred strategy
- Meticulous GI surgery, early enteral feeding and planned tissue coverage improve outcomes

