

## Can techniques be combined?

> Vers Endowerder Serg. 2022 May:56(6):644-447. doi: 10.1177/1538574421106650. Epsil 2022 Feb 28. Fenestrated Endovascular Aortic Repair With Chimney Graft for Thoracoabdominal Aneurysm

#### Sara Gaines <sup>1</sup>, Ashley J Williamson <sup>1</sup>, Affiliations + expand PMID: 35227139 DOI: 10.1177/15385

#### Abstract

Thesachednesis are support point to the stand of the standard regard and to incoherent of stores and end university was report as case related to particul disputes with thosesachednesis are support and university of the stores disputes and particular disputes and those stores of the stores are supported and stores are stored by thosesachednesis are support that incohere areas, support memory and stores areas for particular disputes and thosesached by the store of the stores and the stores of the disputes areas and storeging to the similar the displacement of the number of grant algorithmetic and the store of the stores and the stores and the stores and algorithmetics. <text>

## What does this accomplish?

## • Type IV TAAA Repair

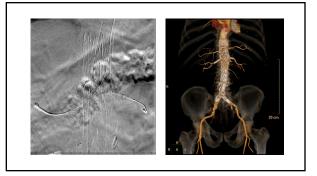
- High risk patients
- No need for physician modification of devices

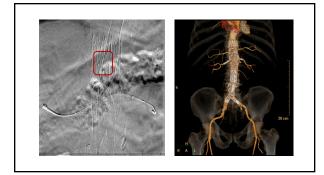
### Goals

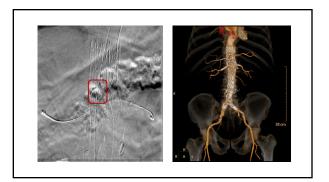
• Gain as much seal zone as possible

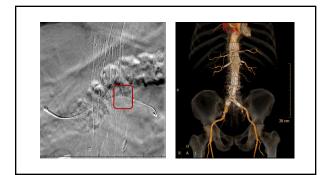
## Goals

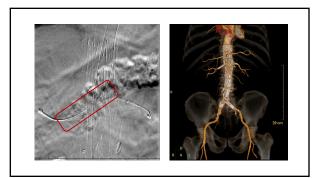
- Gain as much seal zone as possible
- Typical design:
  - Large fenestration Celiac
  - Small, stented fenestration SMA
  - Small, stented fenestration one of the renal arteries
  - Parallel graft one of the renal arteries











# 6-year Follow-up Imaging



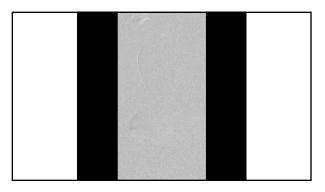
### Goals

- Gain as much seal zone as possible
- Typical design:
  - Large fenestration Celiac
  - Small, stented fenestration SMA
  - Small, stented fenestration one of the renal arteries
  - Parallel graft one of the renal arteries
- Theme can change based on anatomy

## Goals

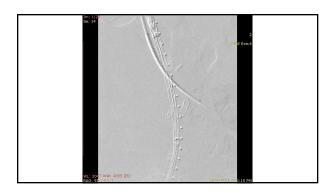
- Gain as much seal zone as possible
- Typical design:
  - Large fenestration Celiac
  - Small, stented fenestration SMA
  - Parallel grafts both renal arteries
- Theme can change based on anatomy



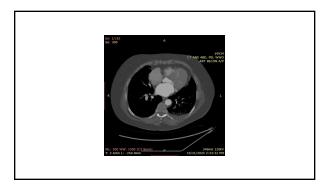




Updated Technique	
Can use with laser fenestration as well	







Be Creative...but not at patient expense



## Conclusions

- Do not use more than 2 parallel grafts through a seal zone
- Get creative and expand repairs to TAAA
- Choose what is best for each patient and use all of your tools

