DEBATE:
Nonsense: The Evidence To Support The Success And Durability Of Ch/EVAR Is Solid If The Procedure Is Done Right: Ch/EVAR Is Better Than F/EVAR In Some Circumstances

Konstantinos P. Donas, MD
Professor of Vascular Surgery
Münster University
St. Franziskus Hospital Munster
Münster, Germany

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Ch/EVAR Is Solid if The Procedure Is Done Right
- Performance of single or maximum double chimneys
- Use of suitable combinations between aortic stent-grafts and chimney devices
- Oversizing of 20-30% of aortic stent-graft
- New sealing zone of 20mm in length

Collected World Experience About the Performance of the Snorkel/Chimney Endovascular Technique in the Treatment of Complex Aortic Pathologies
The PERICLES Registry
Konstantinos P. Donas, MD,* J aren T. Lee, MD,§ Mario Luchat, MD,§ Giovanni Tersello, MD, PhD,|| and Frank J. Nest, MD,* on behalf of the PERICLES investigators

The PROTAGORAS study to evaluate the performance of the Endurant stent graft for patients with pararenal pathologic processes treated by the chimney/snorkel endovascular technique.

Ch/EVAR Is Solid if The Procedure Is Done Right
Avoid to perform the technique in case of:
- Shaggy thoracic aorta with severe thrombus formation
- Juxtarenal neck diameter of > 30mm
- Narrow < 4.5mm diameter-, severe stenosed renal arteries
- No experience or limited availability of suitable materials for renal cannulations
**PERICLES Registry**
- Mean Pre-op Sac Diameter (mm): 65.9 ± 21.6
- Mean Latest F/U Sac Diameter (mm): 61.2 ± 19.7, \( p = 0.001 \)

**PROTAGORAS Registry**
- Mean Pre-op Sac Diameter (mm): 64.8 ± 14.6 mm
- Mean Latest F/U Sac Diameter (mm): 60.1 ± 16.3 mm, \( p < 0.001 \)

> 90% of pts had shrinkage or stable sac in 2 years

**PROTAGORAS study**
- Primary chimney graft patency 95.7% through 3-y rad. FU
- Freedom from Chimney graft reinterventions 93.5% 3-y rad. FU

New onset type Ia endoleak needed reintervention 1.6% at 2 years

**Persistent type Ia endoleak due to short <10mm sealing zone after single chimney for the left RA**

Lengthening of the sealing zone up to 20mm with tripple chimneys

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**Overall Survival**
- Overall Survival at 5 years:
  - CH-EVAR: 85% 77% 75%
  - F-EVAR: 80% 70% 65%

**Primary Patency of chimney grafts**
- Primary Patency of chimney grafts at latest f/u:
  - CH-EVAR: 94.1%
  - F-EVAR: 87.2%
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