DEBATE:
Chimney EVAR (Ch/EVAR) Is The Best Treatment For Juxtarenal And Pararenal Aneurysms

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Definition of best treatment:
1. Successful exclusion of the aneurysms
2. Safe, effective treatment
3. Reproducible results
4. Useful in the urgent setting
5. Cost effective

Chimney EVAR

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.

**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

The PROTAGORAS study evaluated the performance of the Endovar stent graft for patients with pararenal pathologic processes treated by the chimney/moatendovalendar technique. Conclusion: The Endovar stent graft is effective and safe for the treatment of juxtarenal aneurysms. It can be a valuable alternative to traditional open surgery. The Endovar stent graft is designed for juxtarenal aneurysms, which are characterized by a neck that is less than 90 degrees. The Endovar stent graft is a modular system that can be customized to fit the specific anatomy of each patient. The Endovar stent graft is made of a polyester fabric that is covered with a self-expanding nitinol stent. The Endovar stent graft is delivered through a 21 French sheath and can be deployed in a juxtarenal aneurysm up to 12 cm in diameter. The Endovar stent graft is fixed to the aorta with four anchors that are deployed at 90 degrees to the neck. 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FEVAR

Superior mesenteric artery outcomes after fenestrated endovascular aortic aneurysm repair

Best treatment:
1. Successful exclusion of the aneurysms
2. Safe, effective treatment
3. Reproducible results
4. Useful in the urgent setting
5. Cost effective

Reproducible results in case of:
- Performance of single or maximum double chimneys
- Use of suitable combinations between aortic stent-grafts and chimney devices
- Oversizing of 30% of the aortic stent-graft
- New sealing zone of 20mm in length

Reproducible results in case of avoiding:
- 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

Contained ruptured of AAA caused by type IA EI
Symptomatic and rupture-threatening PAU

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Intraoperative costs of materials

ChEVAR is the best treatment because:
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