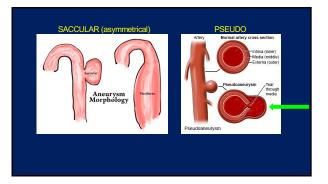
## A Critical Look at cular Aortic Aneurysms: Sac

- Are They All Ticking Time Bombs?
- Diameter Measurements Include The Normal Aorta?
- 3. Do They Rupture at a Smaller Diameter?

Frank J Criado, MD MedStar Union Memorial Hospital Baltimore, MD Potential COI: NONE



Saccular Aneurysms are Most Frequent in the Descending thoracic aorta (20-30%) Abdominal Aorta (5%) Aortic Arch Ascending Aorta

DICTUM: "SACCULAR AORTIC ANEURYSMS ARE PRONE TO RUPTURE, EVEN WHEN SMALL. THEY SHOULD BE REPAIRED REGARDLESS OF SIZE"



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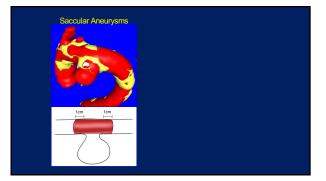
TRUE? WHAT'S THE EVIDENCE?

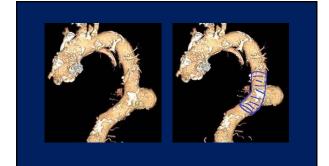


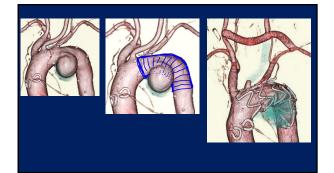


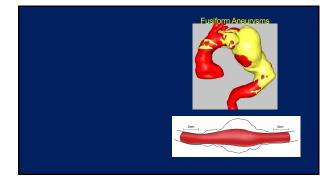
## When compared with Fusiform, Saccular Aneurysms:

- More frequently underwent emergent/urgent repair and at smaller diameters.
- Had similar growth rates.
- Had similar TEVAR-outcomes BUT with a lower risk of spinal cord ischemia.

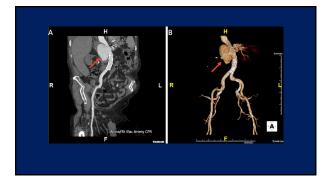






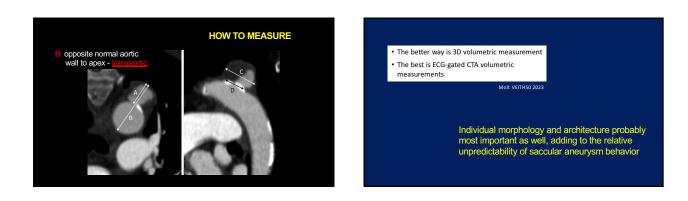


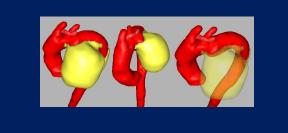




Increased Wall Stress of Saccular Versus Fusiform Aneurysms of the Descending Thoracic Aorta	Morphology matters
<u>Derek P. Nathan</u> <sup>1</sup> · <u>Chun Xu<sup>1,2</sup> · Alison M. Pouch</u> <sup>2</sup> · … · <u>Ron M. Fairman<sup>6</sup> · Robert C. Gorman<sup>2,5</sup> · <u>Benjamin M. Jackson <sup>A</sup></u><sup>6</sup> <sup>6</sup> <sup>6</sup> <sup>6</sup> <sup>6</sup> <sup>5</sup> <sup>6</sup> <sup>6</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup> <sup>10</sup></u>	
DOI: 10.1016/j.avsg.2011.07.008 7	







- A Critical Look at Saccular Aortic Aneurysms:
- I. Are They All Ticking Time Bombs? NO
- 2. Diameter Measurements Include The Normal Aorta? YES – USE TRANSAORTIC DIAMETER
- 3. Do They Rupture at a Smaller Diameter? YES