

## How to Improve Outcomes? Insights from UK-COMPASS Corelab

S.R.Vallabhaneni









#### **ARTICLE IN PRESS**

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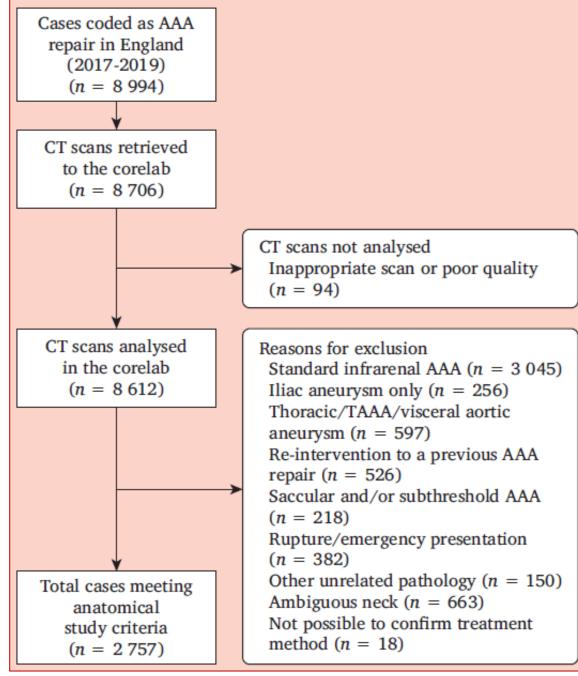
Comparison of Open Surgery and Endovascular Techniques for Juxtarenal and Complex Neck Aortic Aneurysms: The UK COMPlex AneurySm Study (UK-COMPASS) — Peri-operative and Midterm Outcomes

Srinivasa R. Vallabhaneni <sup>a,b,\*</sup>, Shaneel R. Patel <sup>a,b</sup>, Bruce Campbell <sup>c,d</sup>, Jonathan R. Boyle <sup>e,f</sup>, Andrew Cook <sup>g</sup>, Alastair Crosher <sup>h</sup>, Sophie M. Holder <sup>h</sup>,
Michael P. Jenkins <sup>i</sup>. David C. Ormesher <sup>j</sup>. Anna Rosala-Hallas <sup>k</sup>. Richard J. Jackson <sup>k</sup>

Open access Protocol

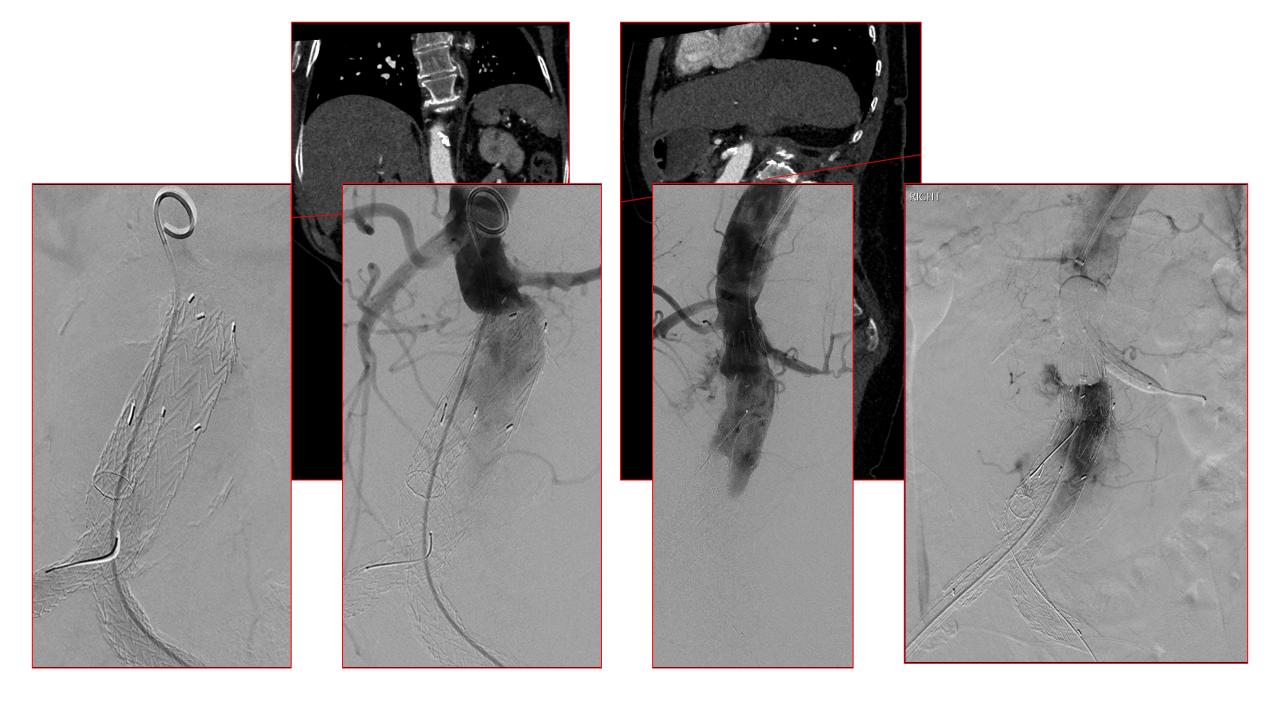
BMJ Open A risk-adjusted and anatomically stratified cohort comparison study of open surgery, endovascular techniques and medical management for juxtarenal aortic aneurysms—the UK COMPlex AneurySm Study (UK-COMPASS): a study protocol

Shaneel R Patel , 1,2,3 David C Ormesher, Samuel R Smith, Kitty H F Wong, Paul Bevis, Colin D Bicknell, Jonathan R Boyle, John A Brennan, Murce Campbell, Andrew Cook , Alastair P Crosher, Rui V Duarte , Murray M Flett, Carrol Gamble, Richard J Jackson, Maciej T Juszczak, Murray M Flett, Carrol Gamble, Richard J Jackson, Maciej T Juszczak, Man M Loftus, Islan M Nordon, Kellie Platt, Kellie Platt, Eftychia-Eirini Psarelli, Peter C Rowlands, John V Smyth, Theodoros Spachos, Leigh Taggart, Claire Taylor, Srinivasa Rao Vallabhaneni



## Off-label EVAR and Type 1a Endoleak on Completion

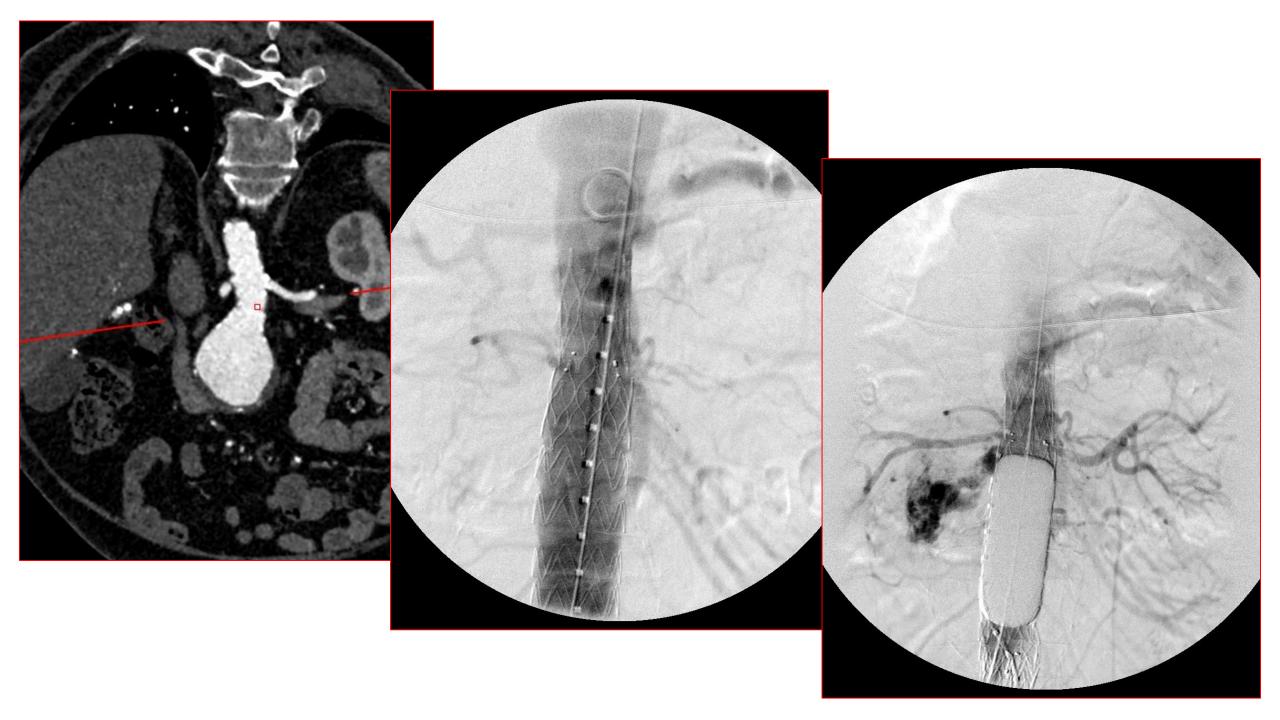
	Neck length		
	0-4mm	5-9mm	≥10mm
Off-label EVAR use	7%	32%	60%
Type 1a endoleak on completion			
Off-label EVAR	21.9%	20.7%	23.9%
(n=1388)	(7/32)	(28/135)	(292/1221)
<b>EVAR + Adjuncts</b>	25%	25.8%	26.1%
(n=143)	(4/20)	(8/31)	(24/92)



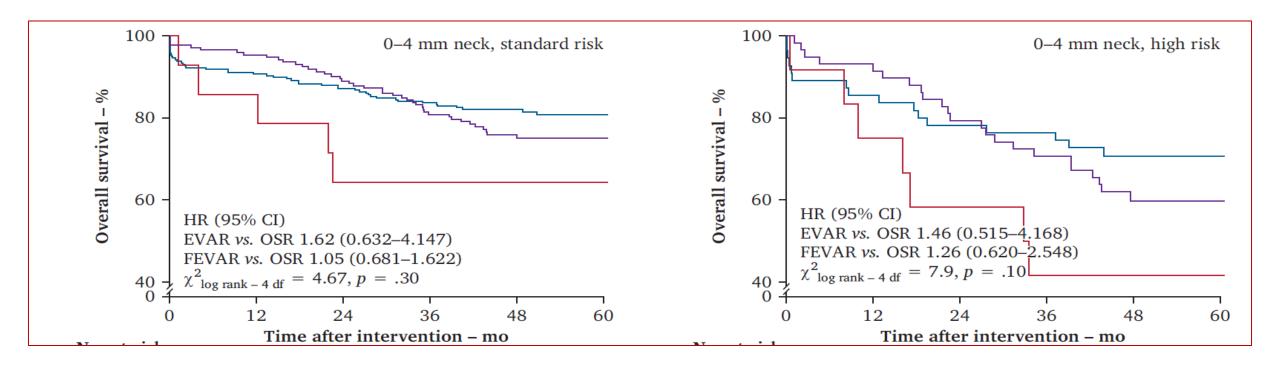












#### **Aneurysm related Mortality**

• OSR: 1.3%

• FEVAR: 1.3%

• Off-label EVAR: 11.5%

### Summary

Beware of off-label standard EVAR

Not a defensible option in very short necks

Neck angulation, thrombus-lining and calcification mean trouble

## Inaugural edition

# Critical Issues - UK Manchester 27-28 Feb 2025