What’s the Rush?
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70 yo woman with systolic murmur
- Has intermittent atypical chest pain
- Dyspnea with exertion
Causes of Area-Gradient Mismatch

- Errors of Measurement
- High Flow
- Pressure recovery
- Eccentric Jet
- Para-valvular Obstruction
MRI measures
SOV 23 mm
STJ 20 mm
No supravalvular or subvalvular membranes

The Role of Jet Eccentricity in Generating Disproportionately Elevated Transaortic Pressure Gradients in Patients with Aortic Stenosis

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Aortic Diameter = 4.0 cm

Eccentric Jet: Echo

Eccentric Jet

Courtesy Amr Abbas
Eccentric Jet: MRI

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Courtesy Amr Abbas
YOU KEEP TAILGATING
I'LL KEEP SLOWING DOWN