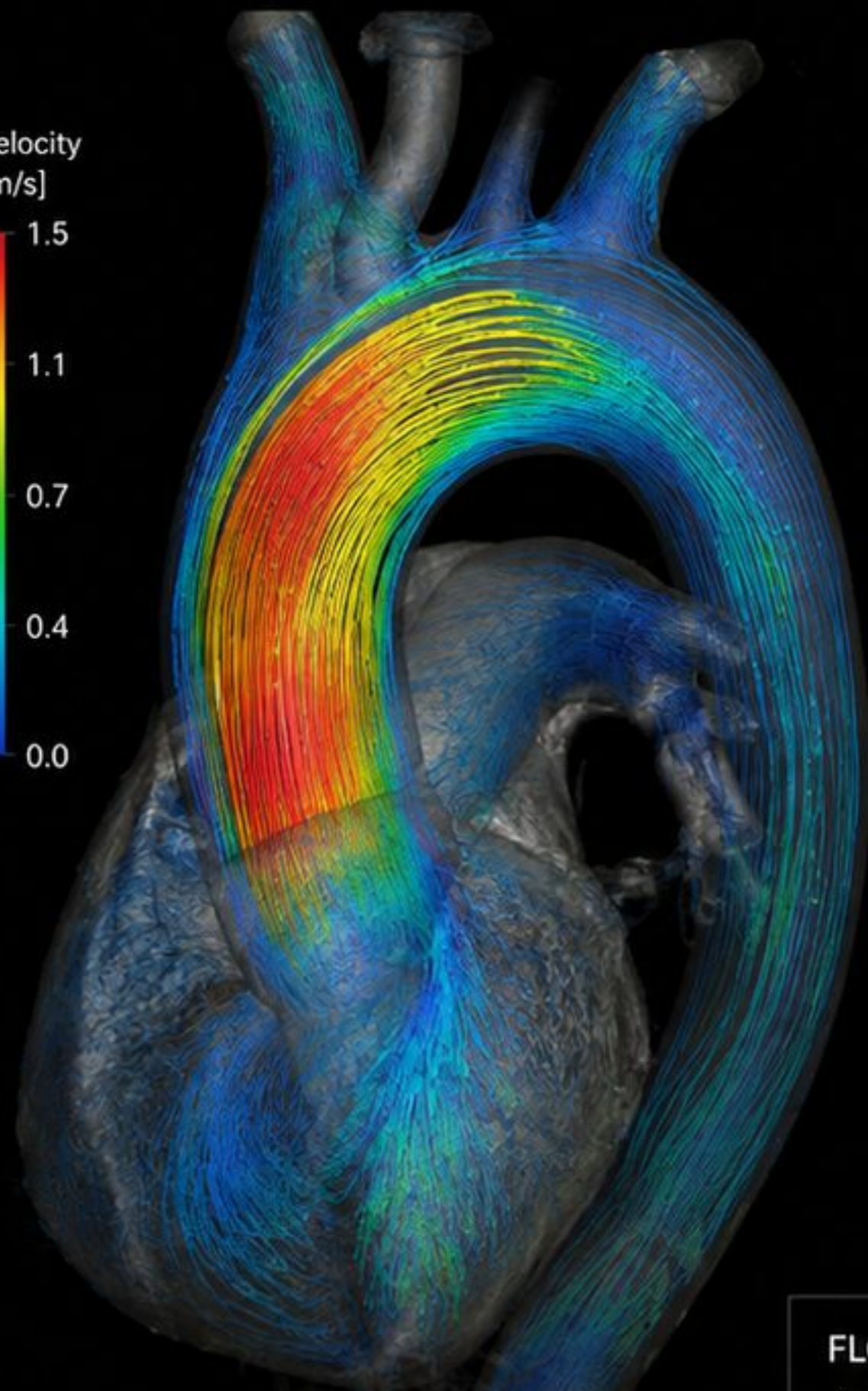
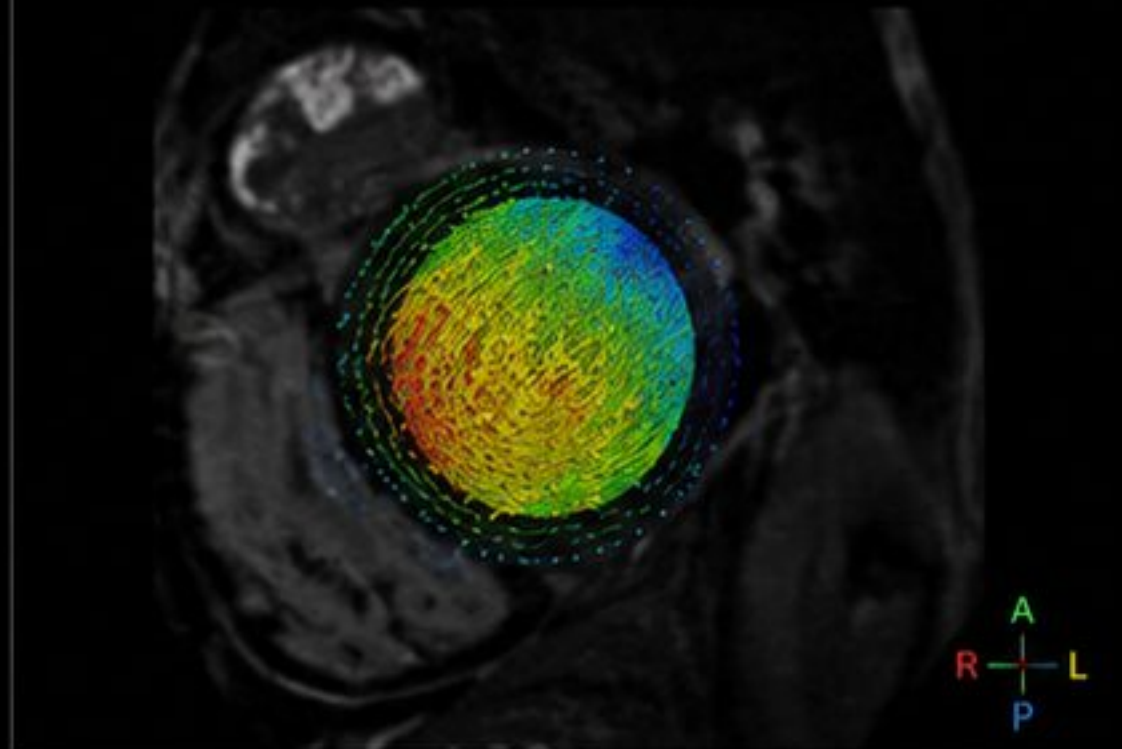


4D FLOW MRI AORTA ASCENDANTE

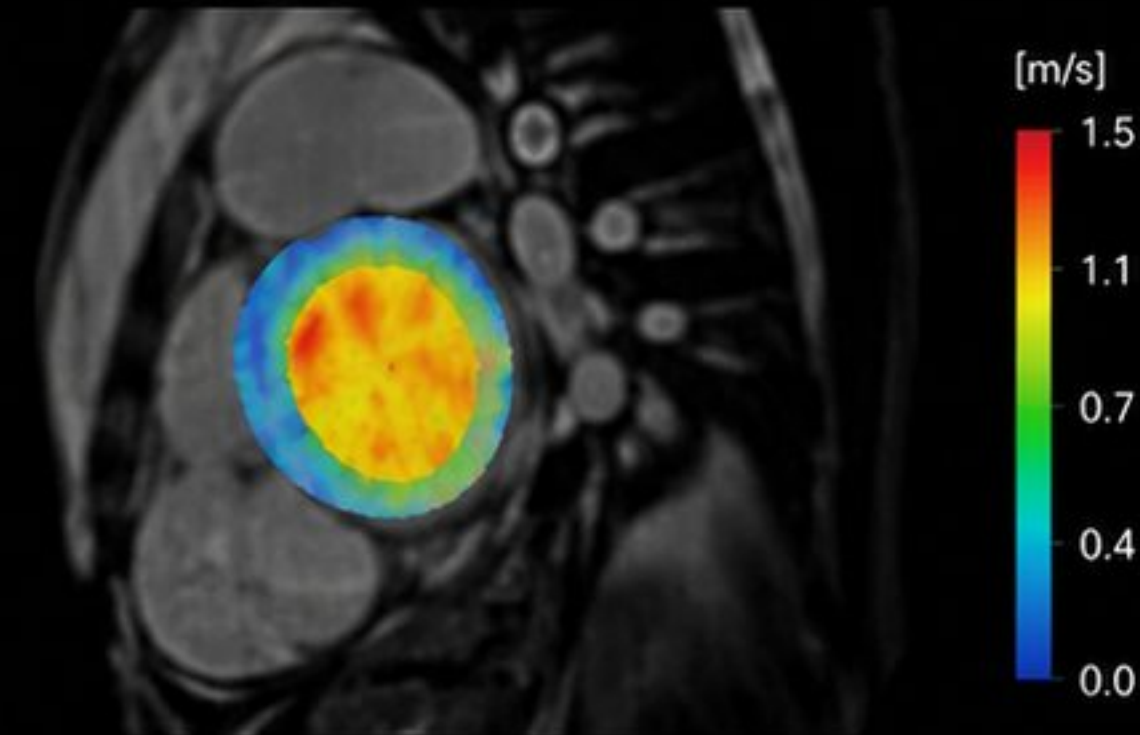
Velocity
[m/s]



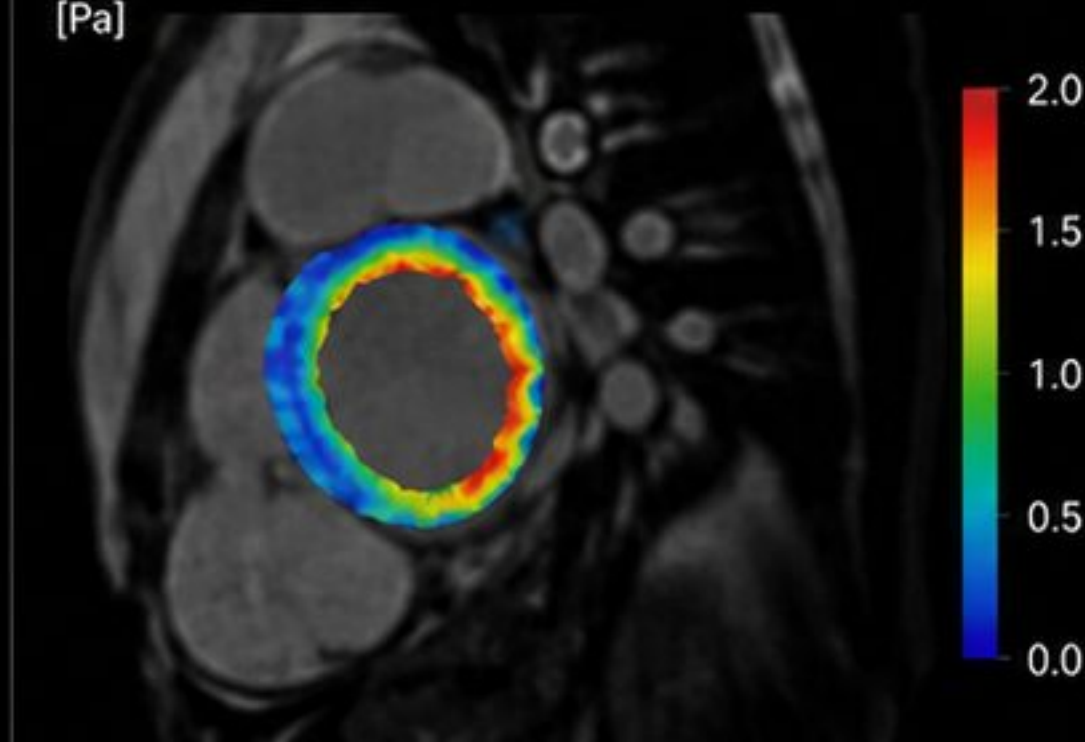
FLOW VECTORS - ASCENDING AORTA



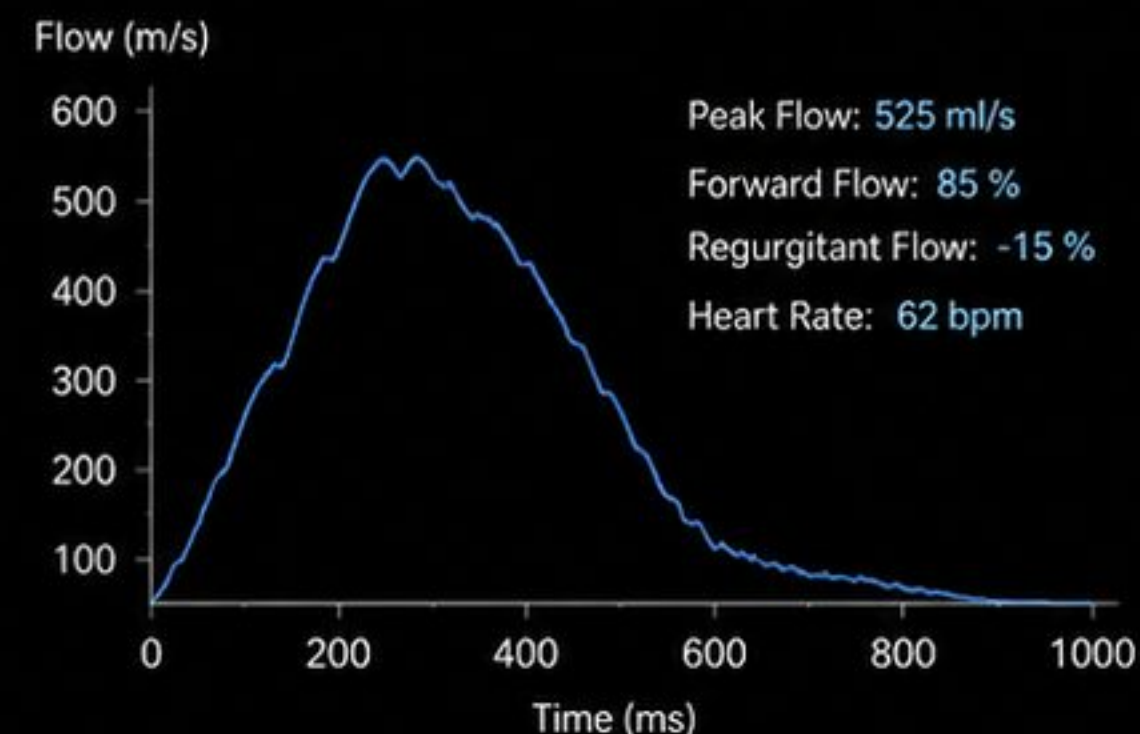
PEAK SYSTOLIC VELOCITY



WALL SHEAR STRESS [Pa]



FLOW RATE

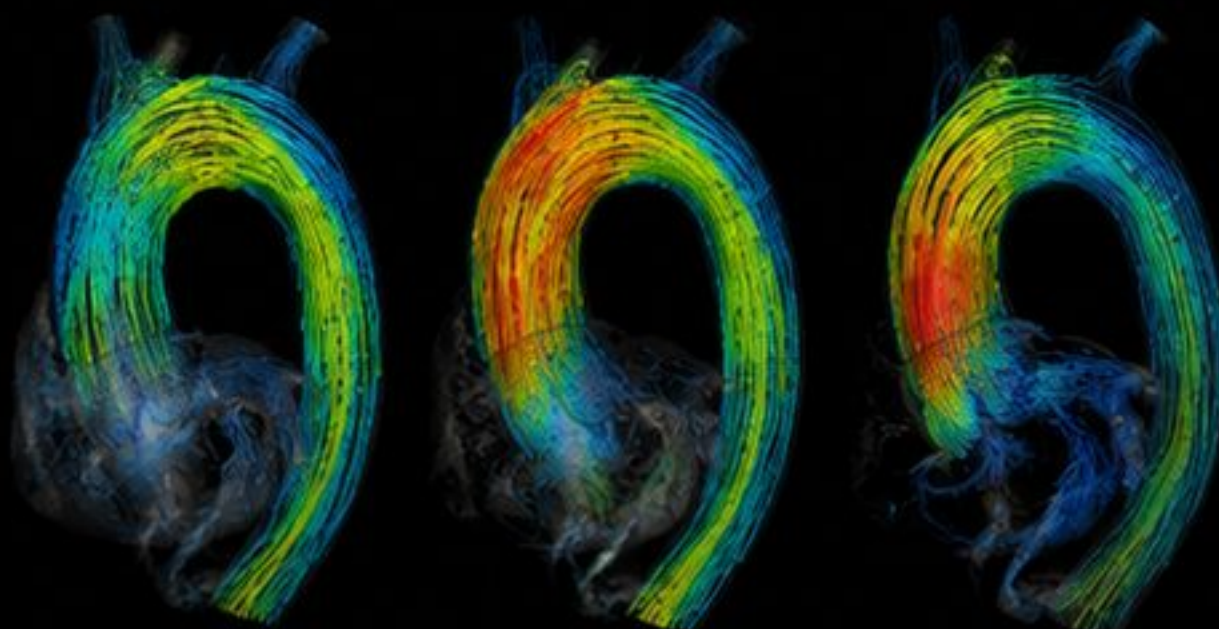


FLOW PATTERNS

Systole 250 ms

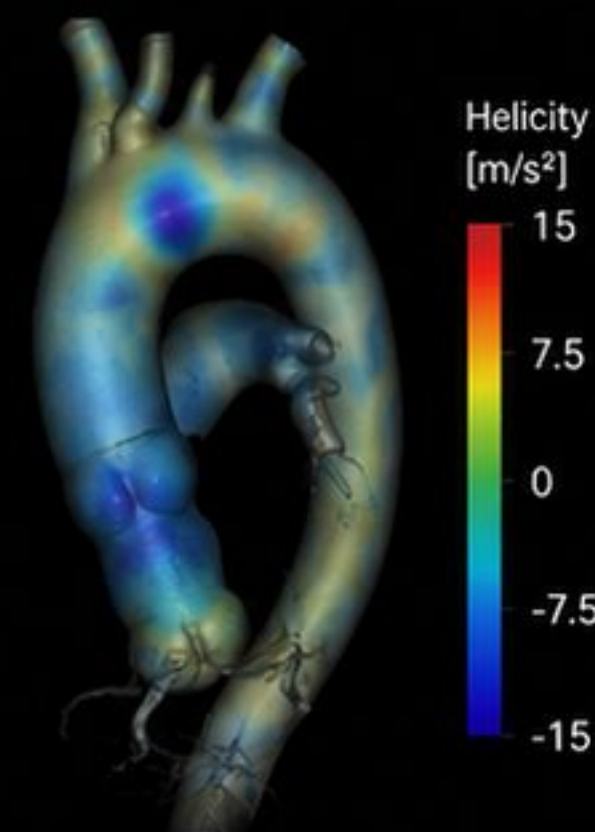
Systole 350 ms

Systole 450 ms



FLOW METRICS

Mean Velocity: 0.48 m/s
Peak Velocity: 1.52 m/s
Mean WSS: 0.92 Pa
Oscillatory Shear Index: 0.18
Relative Residence Time: 1.25
Vorticity (peak): 45 s⁻¹
Helicity (peak): 12.3 m/s²



Scan Date: 2024-07-15
Patient ID: 123456
Flow Encoding: 150 cm/s
Temporal Res.: 40 ms
Spatial Res.: 2.2 mm isotropic