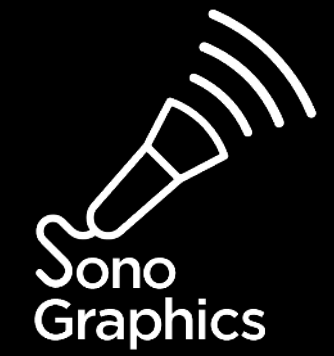


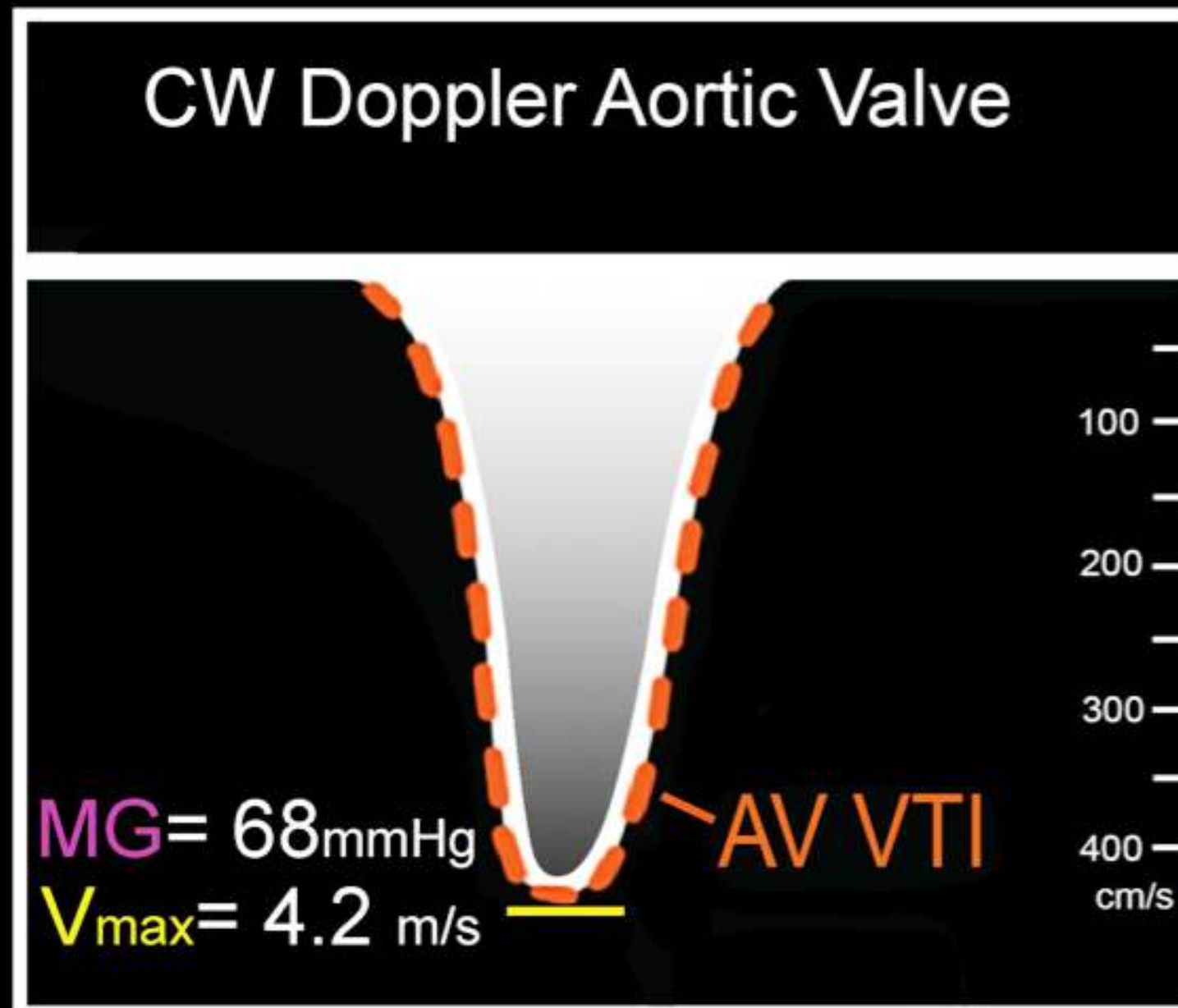
Aortic Stenosis Grading



Continuity Equation

$$AV \text{ Area} = \frac{LVOT \text{ VTI} \times LVOT \text{ Area}}{AV \text{ VTI}}$$

	AV Area cm ²	Mean Gradient mmHg	Peak Velocity m/s	Dimensionless Index
Normal	-	-	≤ 2.5	-
Mild	> 1.5	<20	2.6 - 2.9	> 0.50
Moderate	1.0 - 1.5	20 - 40	3 - 4	0.25 - 0.50
Severe	< 1	> 40	> 4	<0.25



$$\text{Dimensionless Index} = \frac{LVOT \text{ VTI}}{AV \text{ VTI}}$$