

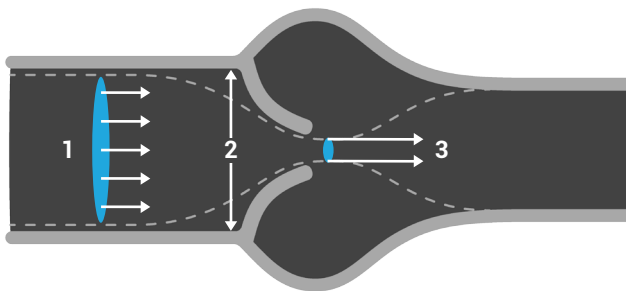
# THE VALVES

## Assessing aortic stenosis

Assessing severity of aortic stenosis:

	Mild	Moderate	Severe
<b>Aortic valve (AV) Vmax (m/s)</b>	2.6–2.9	3.0–4.0	> 4.0
<b>Peak gradient (mmHg)</b>	< 40	40–65	> 65
<b>Mean gradient (mmHg)</b>	< 20	20–40	> 40
<b>EOA (cm<sup>2</sup>)</b>	> 1.5	1.0–1.5	< 1.0

EOA is the effective orifice area of the aortic valve.



$$EOA = (CSA) \times (LVOT VTI / AV VTI)$$

- 1 LVOT VTI
- 2 d
- 3 AV VTI