Septal Myectomy

Pre ◐ | ◑ Post CPB

● **3D Ao Root & LVOT** (opt)

● 3D CFD LVOT (opt)

● **MELax** 2D LVOT

● CFD AV & LVOT

● CFD MV

● CFD LV Cavity
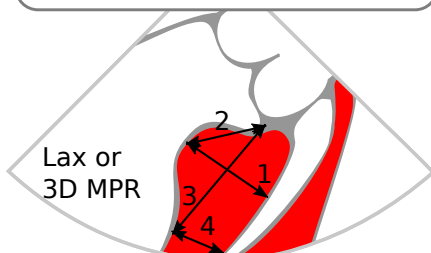
◑ CFD IVS

● **ME4C** 2D Zm MV

● CFD MV

● **DTG** CFD LV Cavity

● ↓CWD LVOT

● Max. septal thickness[1]
◑ Distance from RCC base[2]
◑ Length of thickening[3]
◑ Distal septal thickness[4]

Lax or 3D MPR

● LVOT V_{max} & ΔP_{max}

◐ Pre-surgical assessment

1. **LVOT obstruction** or turbulence? Measure gradient.
2. Define **obstructing area** (extent of required resection)
3. **SAM**? **MR**? Assess severity and mechanism.
4. **Mid-cavitary obstruction** or turbulence?

◑ Post-surgical assessment

1. Residual **LVOT obstruction** or turbulence? Measure gradient
2. Residual **SAM**? **MR**? Assess severity and mechanism.
3. Iatrogenic **VSD**?
4. Injury to **AV**?