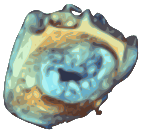
Mitral Valve

Pre ◐ | ◑ Post CPB MR / MS only

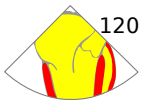


- ● **3D** (→ 3D guide)
- ● **3D CFD**
- ● **ME4C** 2D Zm MV

- ● CFD
- ● ⇣CWD
- ● **MEBiCom** 2D Zm MV

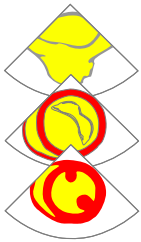
- ● CFD
- ● **ME2C** 2D Zm MV

- ● CFD
- ◐ 2D LAA
- ◐ CFD + ⇟PWD LAA
- ● **MELax** 2D Zm MV



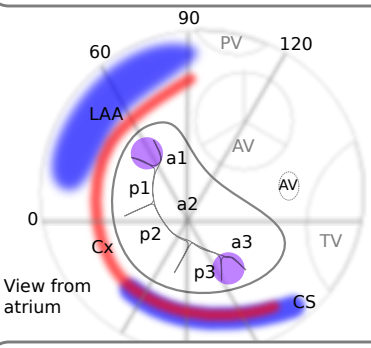
- ● CFD MV
- ● CFD AV

- ◐ **RUPV** ⇟PWD
- ◐ **LUPV** ⇟PWD



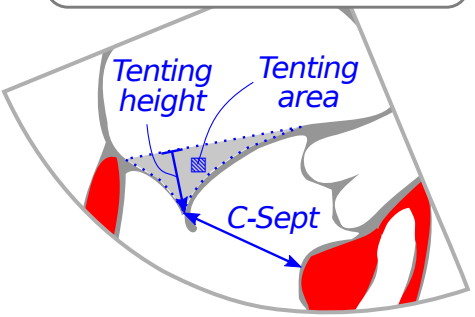
- ● **MEBC** 2D
- ● CFD IVC
- ● CFD SVC
- ● **TGBSax** 2D
- ● **TGMSax** 2D

- ● ΔP_{peak}, ΔP_{mean}
- ◐ PHT (⇣CW)



- ◐ MV annulus
- ● MR VC
- ● MR 3D VC area (opt)
- ◐ Tenting height ↧ (Func MR)
- ◐ Tenting area ▧ (Func MR)
- ◐ C-Sept ↕ (Org MR)
- ◐ AML/PML length (Org MR)
- ◐ MVA 3D planimetry (opt)

2D measures can also be made in 3D MPR



◐ Pre-surgical assessment

1. Confirm **diagnosis** & **severity**
2. Identify **mechanism** & **viability of repair** (if planned)
3. LV **morphology** & **function**? (EF; SWMA? Consider LV strain)
4. Associated **AV pathology**?
5. **LA dilation** or **LAA thrombus**?

◑ Post-surgical assessment

1. **Mean gradient**
2. Residual **MR** or paravalvular **leak**?
3. **SAM** ± **LVOTO**?
4. New **AI**?
5. Injury to **bicaval cannulation sites**?
6. **LV function** New? **SWMA** suggesting **circumflex** injury?