Pulmonary Valve

Pre ◐ | ◑ Post CPB

ME4C 2D Zm RV

    CFD TV

    ↓CWD TV

MERVIO 2D PV

    CFD PV

    CFD TV

    ↓CWD TV

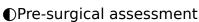**AoArchSax** 2D PV

    CFD PV

    ↓CWD PV

TGRVO 2D PV

    CFD PV

    ↓CWD PV

- ◑ TV annulus (0°)
- ● RV function (at least one)
  - ▨ RV FAC
  - ↔ TAPSE
  - ⌇ RV GL Strain
  - ⌇ RV FW Strain
- ◑ RVSP (↓CW)

- ◑ PV annulus
- ● ΔP_{mean} (↓CW)

◐Pre-surgical assessment

1. Confirm **diagnosis** & **severity**
2. **RV morphology** & **function**: FAC / TAPSE / RV strain
3. **TV morphology** & **function**
4. Function of **previous repairs** (e.g. VSD patch)
5. **Pulmonary hypertension**?

◑ Post-surgical assessment

1. **Mean gradient**
2. Paravalvular or central **leak**?
3. New **SWMA** suggesting **LAD** or **LM** coronary injury?
4. **RV function**: FAC / TAPSE / RV strain