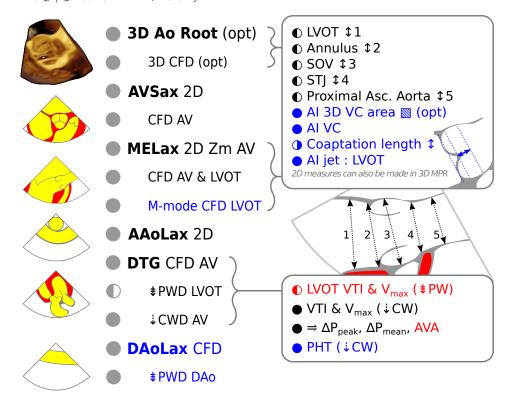
## Aortic Valve



## Pre-surgical assessment

1. Confirm diagnosis & severity

AS: 2D, 3D, gradients & AVA;

AI: 2D, 3D, VC, PHT, %LVOT, DAo diast. rev.

- 2. Identify **mechanism** & **viability of repair** (if planned)
- 3. Sub-valvular or supra-valvular / aortic pathology?
- 4. Associated LV pathology: Dilation? Hypertrophy / LVOTO?
- 5. Associated MV pathology?

## Post-surgical assessment

- 1. Coaptation length (valve sparing repair; MELax)
- 2. Proximal end of coaptation above annular plane? (MELax)
- 3. Paravalvular or central leak? (MELax, MEAVSax)
- 4. New **SAM** or **LVOTO**? (MELax)
- 5. **latrogenic AS?** ΔP<sub>mean</sub> & V<sub>max</sub> (DTG)
- 6. New **SWMA** suggesting **coronary injury**? (TGMSax; AVSax RCA/LM)
- 7. latrogenic aortic injury or dissection? (AAo / DAo)