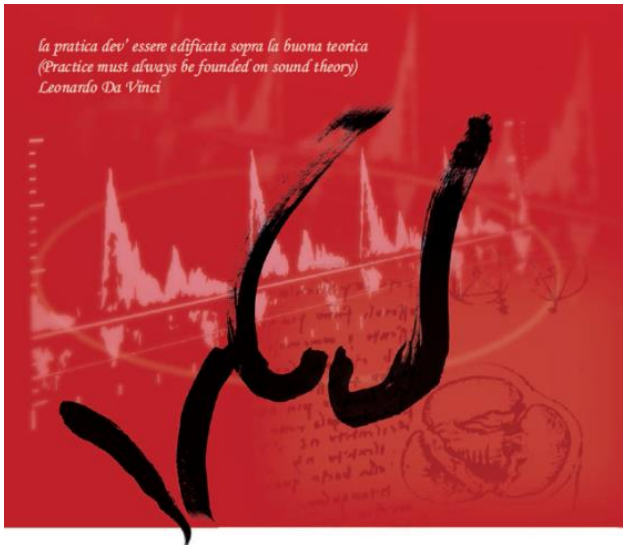

Reconstruction of the Aortic Valve and Root: A practical approach

Case presentations

Day #1, Patient #1: D. S.

- 45y, male
- 210 cm, 140 kg, BSA 2,83 m^2
- NYHA II, CCS 0
- Severe aortic regurgitation
- Tricuspid aortic valve
- Ascending aortic aneurysm 65 mm
- EF 44 %
- LVEDD 79 mm, LVESD 61 mm
- Δp_{max} 6 mmHg, Δp_{mean} 3 mmHg
- AV 38 mm, Sinus 65 mm, STJ 58 mm
- Plan A: Aortic valve repair, ascending aortic replacement, aortic root remodeling
- Plan B: mechanical aortic valve and root replacement

Day #1, Patient #2: W. N.

- 79y, male
- 168 cm, 71 kg, BSA 1,81 m²
- NYHA II, CCS I
- Severe aortic regurgitation
- Tricuspid aortic valve
- Ascending aortic aneurysm 54 mm
- EF 44 %
- LVEDD 53 mm, LVESD 41 mm
- Δp_{max} 15 mmHg, Δp_{mean} 7 mmHg
- AV 26 mm, Sinus 40 mm, STJ 39 mm
- Plan A: Aortic valve repair, STJ remodeling
- Plan B: Aortic valve replacement (biological), ascending aortic replacement

Day #1, Patient #3: F. C.

- 45y, male
- 173 cm, 71 kg, BSA 1,84 m^2
- NYHA III, CCS II
- Severe aortic regurgitation
- Tricuspid aortic valve
- Ascending aortic aneurysm 45 mm
- EF 35 %
- LVEDD 72 mm, LVESD 59 mm
- Δp_{max} 14 mmHg, Δp_{mean} 6 mmHg
- AV 27 mm, Sinus 40 mm, STJ 41 mm
- Plan A: Aortic valve repair, STJ remodeling
- Plan B: Ross