Identification of patients suitable for referral to the Heart Team

(Based on the 2021 ESC/EACTS VHD Guidelines)

Diagnosis of severe AS confirmed

Does the patient have symptoms?

- Chest pains or tightness
- Shortness of breath
- Reduced physical active level
- Dizziness, feeling faint or fainting upon exertion
- Palpitations

Symptoms of severe AS confirmed

Referral to the Heart Team is also recommended for some asymptomatic patients with severe AS

Refer all these patients to the Heart Team for evaluation

Heart Team evaluation includes assessment of clinical, anatomical and procedural factors

Following the recommendation for treatment:

**SAVR**
- Patients ≥ 75 years of age or
- Unsuitable/High risk for SAVR (STS-PROM/EuroSCORE II >8%)
- and
- Suitable for TF-TAVI

**SAVR or TT-TAVI**
- Patients < 75 years of age at low-risk for SAVR (STS-PROM/EuroSCORE II <4%)
- or
- Unsuitable for TF-TAVI and operable

**TT-TAVI**
- Patients ≥ 75 years of age or
- Unsuitable/High risk for SAVR (STS-PROM/EuroSCORE II >8%)
- and
- Suitable for TF-TAVI

Assessing selected factors which may influence treatment choice in individual patients

Discussing the recommendation with the patient who can then make an informed treatment choice

### Patients in whom TT-TAVI may be favourable
- Severe frailty
- Significant multi-vessel CAD requiring surgical revascularisation
- Severe primary mitral valve disease
- Severe tricuspid valve disease
- Significant dilatation/aneurysm of the aortic root and/or ascending aorta
- Significant chest deformity or scoliosis
- Sequelae of chest radiation
- Active or suspected endocarditis
- Cardiac condition requiring concomitant intervention
- Valve morphology unfavourable for TAVI
- Aortic annular dimensions unsuitable for available TAVI devices
- porcelain aorta
- High likelihood of severe patient-prosthesis mismatch (AVA <0.65 cm²/m² BSA)
- Patients in whom TF-TAVI may be favourable
- TF-TAVI feasible via transfemoral approach
- Moderate to high likelihood of severe patient-prosthesis mismatch
- Patients in whom SAVR may be favourable
- AF, atrial fibrillation
- Valve anatomy suitable for TAVI
- Active or repaired mitral valve
- Value probability of SAVR and/or TAVI
- Valvular heart disease or arrhythmia

Does the patient have symptoms?

### Symptoms of severe AS confirmed

Referral to the Heart Team is also recommended for some asymptomatic patients with severe AS

- Chest pains or tightness
- Shortness of breath
- Reduced physical active level
- Dizziness, feeling faint or fainting upon exertion
- Palpitations

Does the patient have symptoms?

- Chest pains or tightness
- Shortness of breath
- Reduced physical active level
- Dizziness, feeling faint or fainting upon exertion
- Palpitations

- AS, aortic stenosis; AVA, aortic valve area; BSA, body surface area; EuroSCORE, European System for Cardiac Operative Risk Evaluation; LV, left ventricular; SAVR, surgical aortic valve replacement; STS-PROM, Society of Thoracic Surgeons predicted risk of mortality; TAVI, transcatheter aortic valve implantation; TF, transfemoral.

4. Edwards, Edwards Lifesciences, and the stylized E logo are trademarks or service marks of Edwards Lifesciences Corporation or its affiliates. All other trademarks are the property of their respective owners.

© 2021 Edwards Lifesciences Corporation. All rights reserved. P7-40534-E-1.0

**Edwards Lifesciences**  •  Résidence de l’Ile 33, 1260 Nyon, Switzerland  •  edwards.com