

Patient addressograph

Allergy status:

CLINICAL GUIDELINES ID TAG	
Title:	Aortic stenosis flowchart
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Date Uploaded:	5 TH AUGUST 2020
Review Date	3 RD AUGUST 2023
Clinical Guideline ID	CG0724

Patient addressograph

Allergy status:

Aortic stenosis diagnosis

Clinically stable adult

Acutely unwell adult

Assessment

If not clinically compromised then consider referral to aortic valve stenosis (AVS) clinic or refer to cardiology for opinion

Move to ED resus area / 1N if:

- Chest pain
- High risk ECG
- Abnormal observations (pulse <50 or >100bpm, RR <10 or >20, Sats <93%, BP <90mmHg)
- ABCDE, IV access, consider CXR
- Seek early senior help

Treat as per ALS protocols

- ✓ Stabilise haemodynamics
- ✓ Refer to IP cardiology team for assessment / admission to 1N

Assess TTE parameters:

- ✓ Peak gradient (PG)
- ✓ Peak velocity (Peak vel)
- ✓ AVA (AVA)
- ✓ Velocity ratio (Vel ratio)
- ✓ LVSV indexed (LVSVI)
- ✓ LV systolic function (LVSF)

Parameters of mild AS

- ✓ Refer to AVS clinic
- ✓ 2 yearly OPC review
- ✓ 2-3 yearly TTE

General points:

- ✓ Each patient at AVS clinic must have a named consultant (COW on date referral received to AVS clinic)
- ✓ AVS clinic will refer to consultant for consideration of HTM discussion when approaching severe or rapidly progressing symptoms
- ✓ Recommend annual dental check-up
- ✓ Avoid new piercings or tattoos
- ✓ Book PFTs, carotid Dopplers if approaching HTM
- ✓ Book OP TAVI CT if for likely TAVI workup
- ✓ Urgent OP angiogram for surgical workup

Mild AS:
PG 20-40mmHg
Peak vel 2.6-2.9m/sec
AVA >1.5cm²
Vel ratio >0.50

Moderate AS:
PG 40-64mmHg
Peak vel 3.0-4.0m/sec
AVA 1.0-1.5cm²
Vel ratio 0.25-0.50

Severe AS:
PG >64mmHg
Peak vel > 4.0m/sec
AVA <1.0cm²
Vel ratio <0.25
LVSVI < 35mls/m²

Critical AS:
PG >100mmHg
Peak vel > 5.0m/sec
AVA < 0.5cm²

Parameters of moderate AS

- ✓ Refer to AVS clinic
- ✓ Annual OPC review
- ✓ 1-2 yearly TTE

Parameters of severe AS

- ✓ Same day consultation with IP cardiology COW / SpR if new patient
- ✓ If not new patient, email report to consultant referrer
- ✓ Urgent OP angiogram for surgical workup
- ✓ 6 monthly OPC review during workup