

# Aortic stenosis algorithm

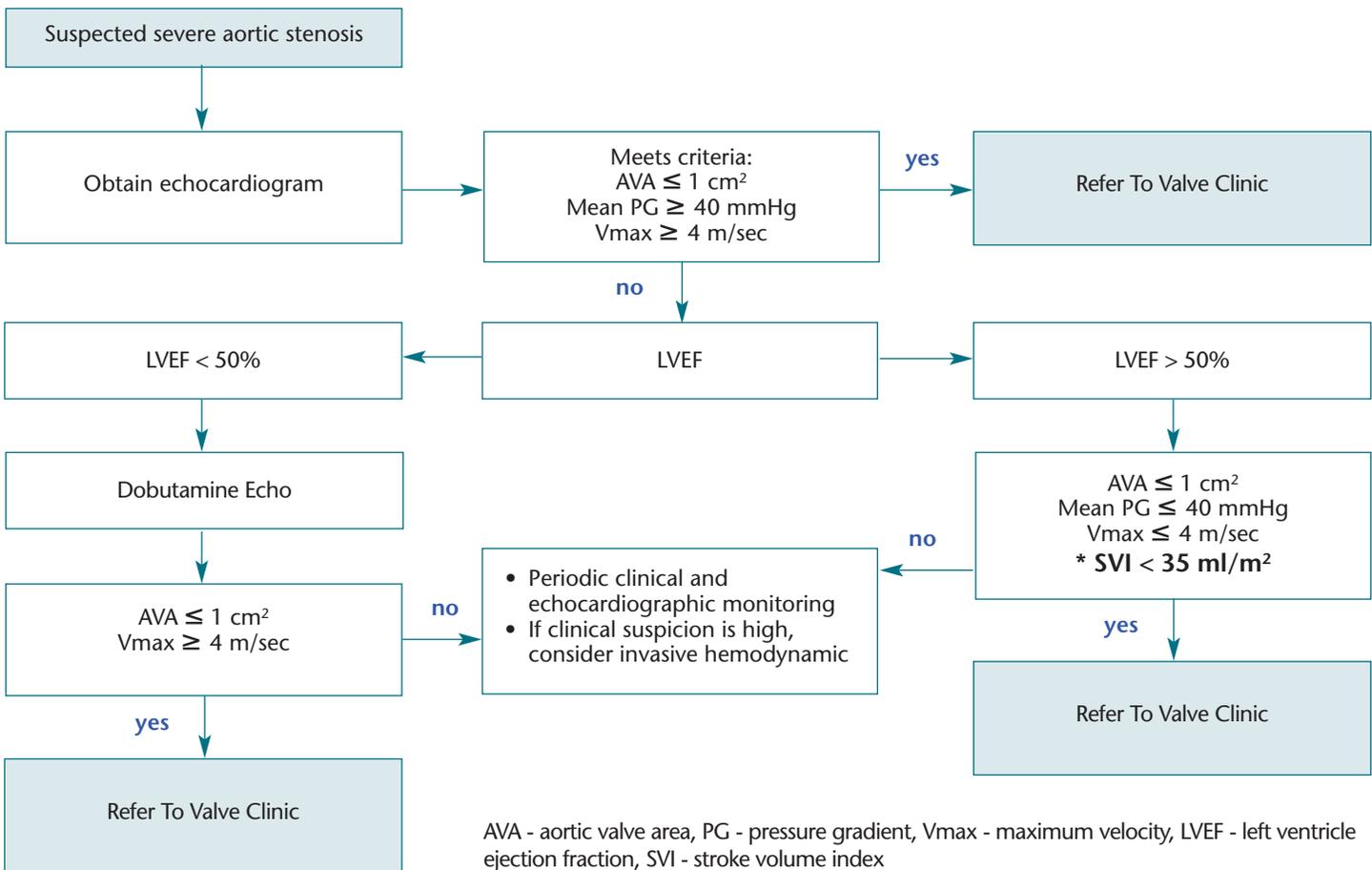


**CENTRA**  
**MEDICAL GROUP**

Stroobants Cardiovascular Center

Please refer the following patients to the valve clinic:

- Any severe or moderate-severe AS felt to be more than low risk to undergo cardiac surgery (e.g. advanced age, prior cardiac surgery, comorbidities, etc.)
- Straightforward severe AS (AVA <1 cm<sup>2</sup>, Mean PG >40 mmHg, Vmax >4 m/sec)
- Paradoxical AS (AVA <1 cm<sup>2</sup>, Mean PG <40 mmHg, Vmax <4 m/sec, SVI <35 ml/m<sup>2</sup>)
- Suspected severe AS with depressed LVEF



| Frequency Of Echocardiograms In Asymptomatic Patients With VHD And Normal Left Ventricular Function |  |  |  |  |
|---|--|--|--|--|
| Stage   | Valve Lesion   |  |  |  |
| Stage   | Aortic Stenosis*   | Aortic Regurgitation   | Mitral Stenosis                                | Mitral Regurgitation   |
| Progressive (stage B)   | Every 3-5 years (mild severity V <sub>max</sub> 2.0-2.9 m/s)<br>Every 1-2 years (moderate severity V <sub>max</sub> 3.0-3.9 m/s) | Every 3-5 years (mild severity)<br>Every 1-2 years (moderate severity) | Every 3-5 years (MVA > 1.5 cm <sup>2</sup> )   | Every 3-5 years (mild severity)<br>Every 1-2 years (moderate severity) |
| Severe (stage C)  | Every 6-12 months V <sub>max</sub> ≥ 4 m/s   | Every 6-12 months<br>Dilating LV: more frequently<br>Once every year   | Every 1-2 years (MVA 1.0-1.5 cm <sup>2</sup> ) | Every 6-12 months<br>Dilating LV: more frequently                      |