**SYMPTOMS AND LABS**

**Stage C & D:** Symptomatic, dyspnea on exertion, exertional chest pain, lightheadedness, lower extremity edema, PND, orthopnea or syncope

Significant heart murmur on exam

Severe leaflet calcification with reduced leaflet mobility AVA< 1cm², Aortic Vmax > 4 m/s, Mean trans aortic pressure 15-40mmHg, SVI < 35ml/m², with or without reduced LV function.

Patients with a mean trans-aortic gradient of greater than 60mmHg

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**SUGGESTED PREVISIT WORKUP**

Referral to cardiology or advanced heart valve clinic at the Maine Medical Center

For acute symptoms, consider hospitalization

Cardiac catheterization

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**SUGGESTED WORKUP**

Monitor and educate patient on symptoms

Echocardiogram every 1-2 years

Guideline Directed Medical Therapy for HTN

Consider referral to cardiology

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**SUGGESTED CONSULTATION OR CO-MANAGEMENT**

Asymptomatic Stage B

Heart murmur by exam

Echocardiogram showing moderate aortic stenosis: V max 3.0-3.9m/s, AVA > 1.0, mean gradient 20-40mmHg, Normal LV function, early diastolic dysfunction

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**SUGGESTED CONSULTATION OR CO-MANAGEMENT**

Asymptomatic Stage A & B

Heart murmur by exam

Echocardiogram showing mild aortic stenosis (Vmax 2.0-2.9m/s)

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**SUGGESTED ROUTINE CARE**

Asymptomatic Stage A & B

Heart murmur by exam

Echocardiogram showing mild aortic stenosis (Vmax 2.0-2.9m/s)

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**SUGGESTED ROUTINE CARE**

Asymptomatic Stage A & B

Heart murmur by exam

Echocardiogram showing mild aortic stenosis (Vmax 2.0-2.9m/s)

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**SYMPTOMS AND LABS**

**Asymptomatic Stage B**

Heart murmur by exam

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**SYMPTOMS AND LABS**

**Asymptomatic Stage A & B**

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Echocardiogram showing mild aortic stenosis (Vmax 2.0-2.9m/s)

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**SYMPTOMS AND LABS**

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**CLINICAL PEARLS**

Stages of Aortic Stenosis

- A: At Risk
- B: Progressive- mild to moderate in severity
- C1: Asymptomatic Severe Stenosis when the LV/RV are compensated
- C2: Asymptomatic Severe when the LV/RV are decompensated
- D1: Symptomatic patients with high flow high gradient AS
- D2: Symptomatic patients with low flow low gradient AS
- D3: Symptomatic patients with paradoxical low flow low gradient AS

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Approved by MMC/MH Advanced Valve Team

7/31/19, Clinical owner: David Butzel, MD;
Administrative owner: Richard Veilleux

For more information or referral questions, contact your local cardiology practice. For a complete listing, visit mainehealth.org/services/cardiovascular/service-locations