

AORTIC STENOSIS + TAVR

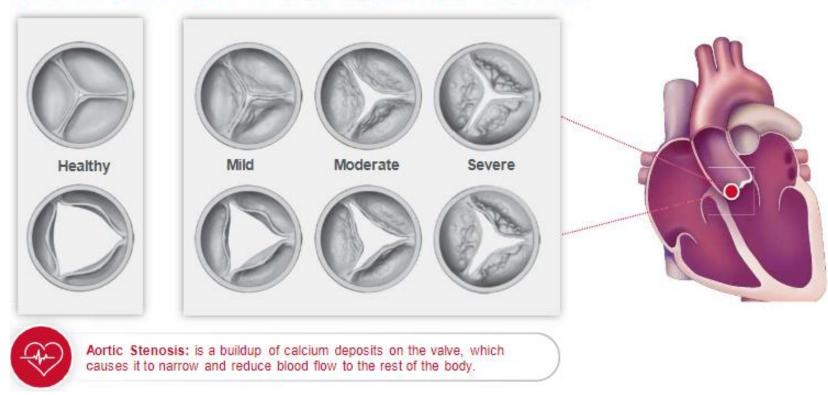
A CLINICAL UPDATE

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BRIEF OVERVIEW

Aortic Stenosis is a progressive disease



- The symptoms are commonly misunderstood by patients as 'normal' signs of aging.
- These may be signs that your severe aortic stenosis has reached a life-threatening point.
- Studies have shown that while many patients initially report no symptoms, after closer examination, 32% do have symptoms.¹



About 1 out of every 3 people with aortic stenosis realize they have symptoms only when further evaluated.



Fatigue



Swollen ankles and feet



Shortness of breath



Not engaging in activities you used to enjoy



Chest pain



Feeling dizzy or lightheaded



Difficulty walking short distances



Difficulty sleeping



Rapid heartbeat



Fainting

Severe SAS patients are...

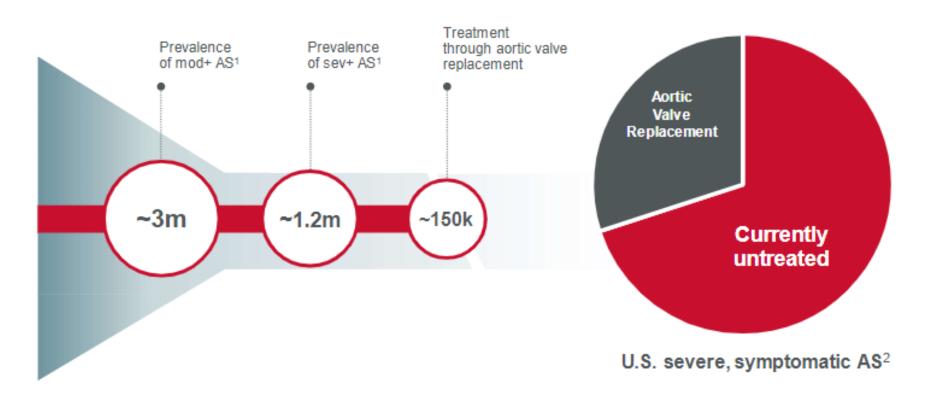


Under-diagnosed





High number of severe AS patients remain undertreated



WHY?

MANY PATIENTS WITH SEVERE AORTIC STENOSIS UNDERREPORT SYMPTOMS, DELAYING TREATMENT.

2020 ACC/AHA Guideline recognize that patients may deny symptoms as they gradually limit activity.

Why do patients withhold important information?

Often blame symptoms on old age or adapt their lifestyles to manage them



Don't want to be a "difficult" patient because they don't understand



May think it's unrelated and forget to bring up during a visit



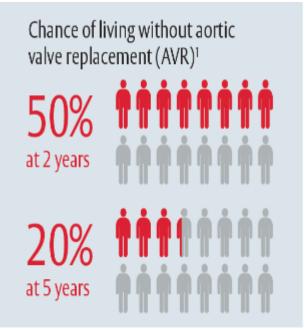


Patients trust you to know the signs and when to act.



Treatment is critical for survival.

Without proper and timely intervention, your severe aortic stenosis patient may die within 2 years¹

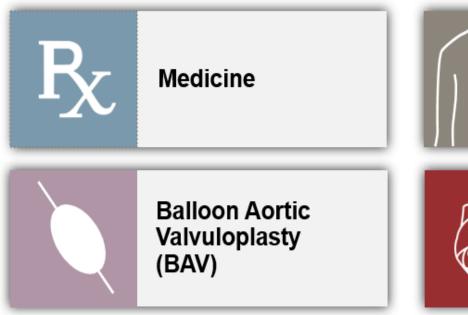


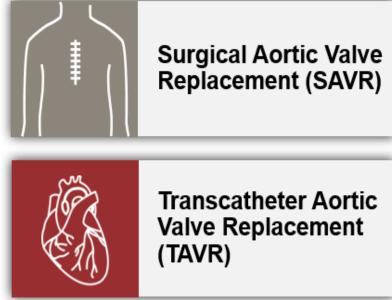
Probability of death while waiting for treatment²

11.6% at 6 months post recommendation for AVR

THINGS TO REMEMBER

- 1. Early intervention in still important.
- 2. You do not have to wait for severe symptoms to refer.





Guidance to a Heart Team allows for the most comprehensive evaluation

Per the 2020 ACC/AHA Guideline for Valvular Heart Disease, engagement between the Heart Team and the primary clinical cardiologist is of critical importance.

Intervention & the Heart Team

Evaluations should be multidisciplinary and multi-institutional with essential roles working together and leveraging consultative and supportive roles when needed.



Your patients know you have their best interest at heart.

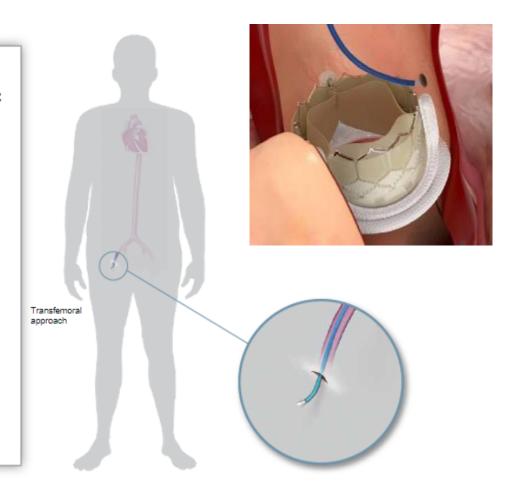
An evaluation from a **Heart Team** can give them extra reassurance that you want only the best chance for the best outcome for them.

All patients with severe valvular heart disease being considered for valve intervention should be evaluated by a multidisciplinary team..."

RSFH Heart Team (843) 720-8448

TAVR

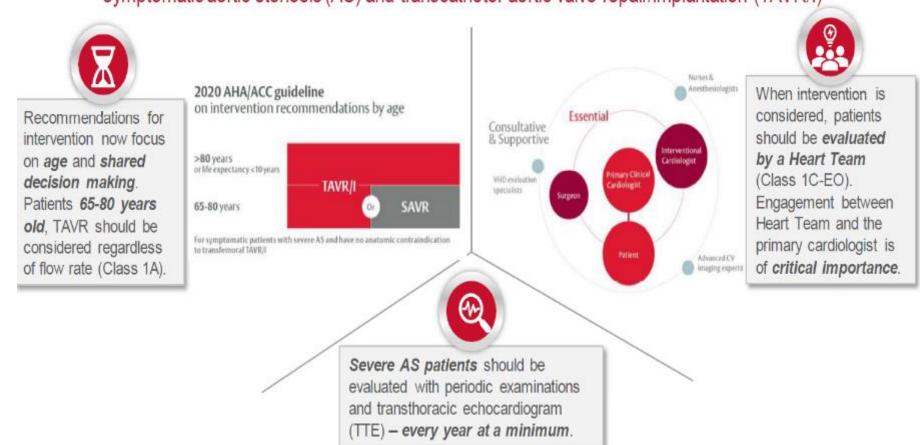
- Less invasive option for severe aortic stenosis
- Catheter-based technique performed while the heart is still beating
- Inserts a new valve within your diseased aortic valve
- Typically associated with shorter hospital stay and recovery time
- On average TAVR procedure lasts about 1 hour
- 1% of patients experience stroke or death at 1 year post TAVR



WHAT'S NEW FOR TAVR?

2020 ACC/AHA guideline update

Key updates from the 2020 ACC/AHA Guideline for Valvular Heart Disease related to severe symptomatic aortic stenosis (AS) and transcatheter aortic valve repair/implantation (TAVR/I)



2020 AHA/ACC guideline recommendations

Today's guidelines reflect the latest low-risk approval, with recommendations focusing on age and shared-decision making instead of risks.

2020 AHA/ACC guideline recommendations

2020 AHA/ACC guideline on intervention recommendations by age



For symptomatic patients with severe AS and have no anatomic contraindication to transfernoral TAVR/I

Indications for TAVR/I are expanding as a result of multiple randomized trials, including the latest PARTNER trials, which are reflected in these recommendations.

Recommendations shift their focus

2014 2020

- Recommendations for choice of intervention were based primarily on level of surgical risk
- Prohibitive, high, intermediate, and low
- Only use risk score to eliminate SAVR as an option for high or prohibitive risk patients
- Utilize age as a key factor
- Emphasizes a shared decision-making process that accounts for the patient's values and preferences

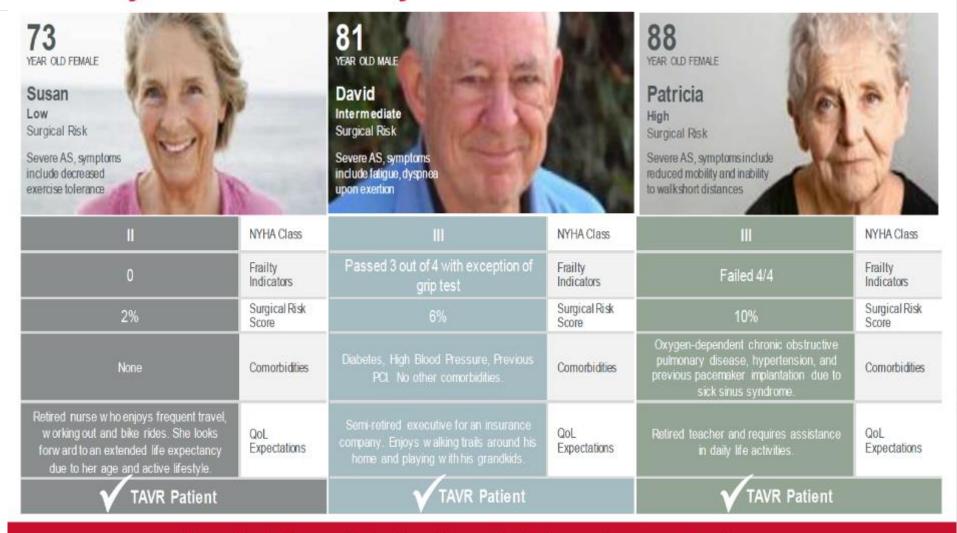


DID YOU KNOW?

Until recently, surgery was considered the best option for valve replacement.

Based on growing evidence and clinical trials, TAVR can be considered for patients who are at low surgical risk.

Today's TAVR has many faces



More patients than ever before have the opportunity to experience superior outcomes.

2020 ACC/AHA Guidelines recommend focusing on age and shared-decisions instead of risk.

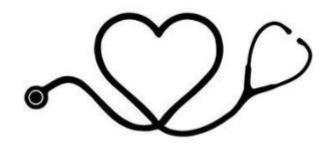
REMEMBER WHEN?

- Patients had prolonged hospitalizations and had to stay in the ICU post TAVR?
- When patients were d/c home on Plavix?
- When we used general anesthesia?



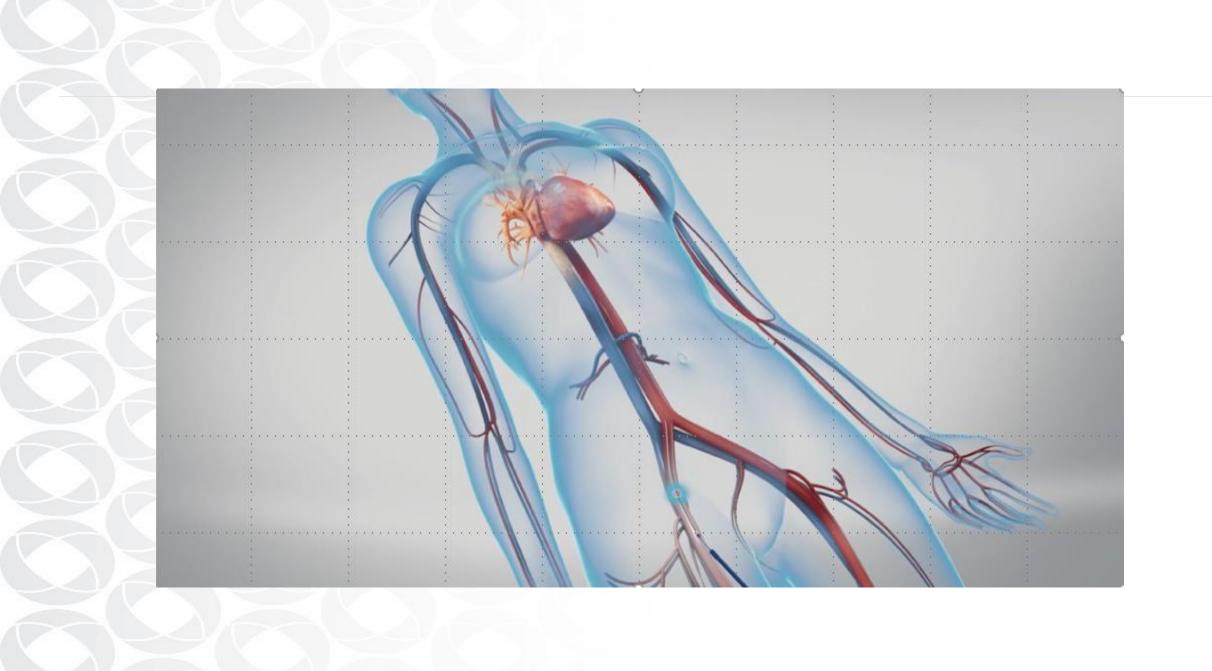
NOW...

- Most patients do not require observation in the ICU post op.
- Most patients are discharged the day after TAVR.
- Patients are d/c home on baby ASA, not DAPT.
- Conscious sedation is now common practice.



3 YEAR TOTALS	ROPER	NATIONAL AVERAGE
BLEEDING COMPLICATOINS	0.8%	1.3%
NEW PACEMAKERS	4.8%	6.6%
VASCULAR COMPLICATIONS	1.2%	2.6%
SIGNIFICANT CARDIAC EVENTS	0%	0.5%
MORTALITY	0.4%	0.9%
DEVICE COMPLICATIONS	0%	1.2%

TOTAL TAVRS TO DATE @ ROPER





WHEN IN DOUBT REFER!

(843) 720-8448