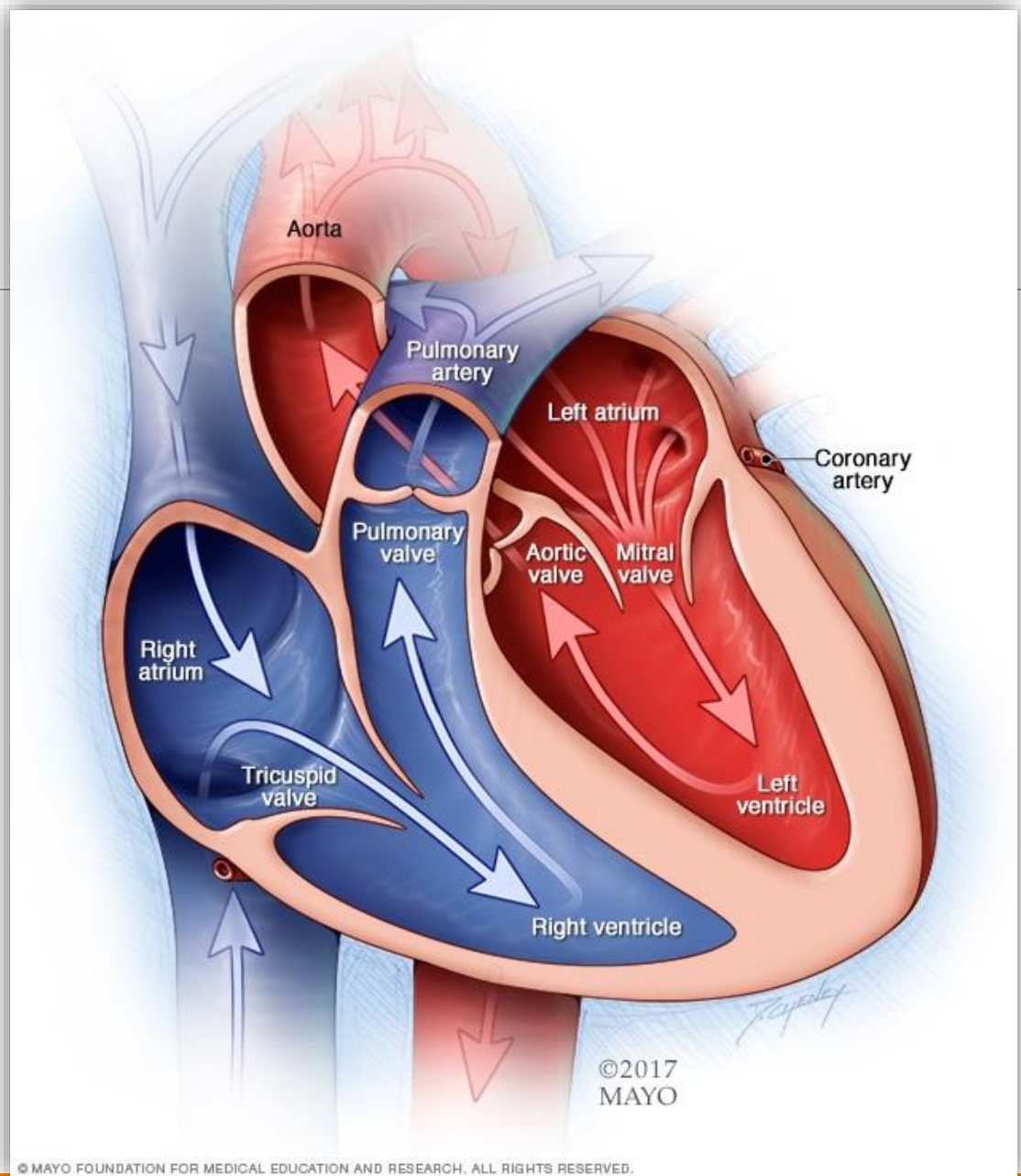


# VALVULAR HEART DISEASE

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THELSA THOMAS WEICKERT, MD

WOMEN'S HEART SYMPOSIUM 2021



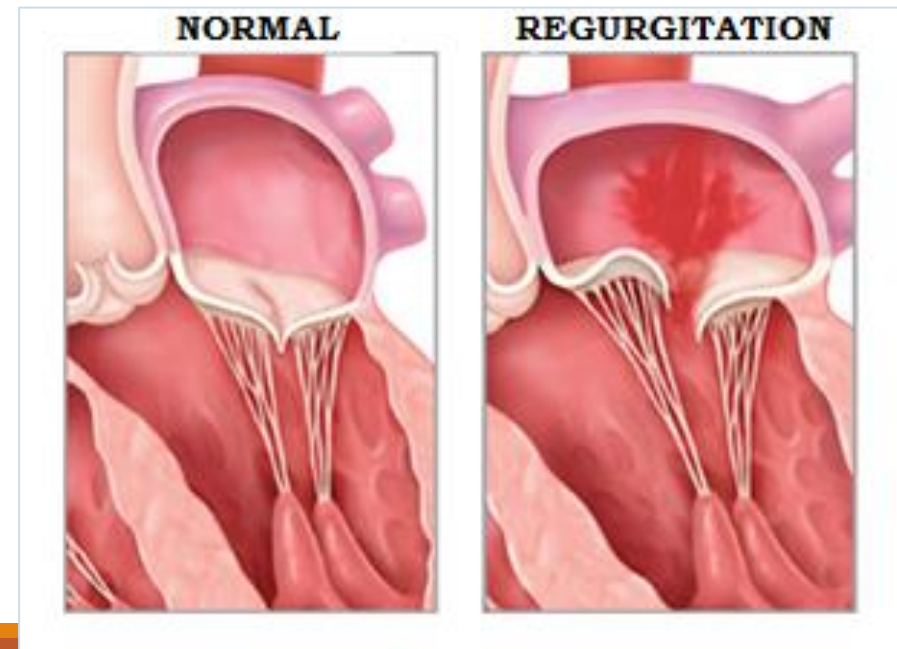
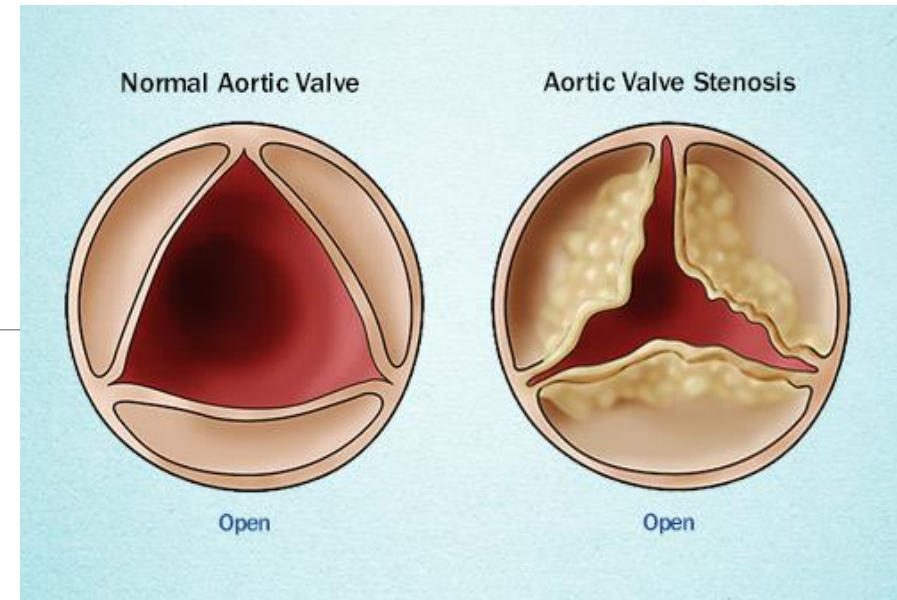
©2017  
MAYO

# HEART VALVE DISEASE

**Stenosis** is when the valve opening becomes narrow and restricts blood flow.

**Regurgitation** is when blood leaks backward through a valve, sometimes due to prolapse.

- **Prolapse** is when a valve slips out of place or the valve flaps (leaflets) do not close properly.



# CAUSES OF HEART VALVE DISEASE

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Congenital

Acquired causes:

- Aging/ Degenerative changes
- Rheumatic heart disease
- Cardiomyopathy “enlarged heart”
- Infection of the valve (infective endocarditis)

# DIAGNOSIS

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Heart murmur on auscultation (listening with a stethoscope)

Echocardiogram (ultrasound of the heart) – confirm the diagnosis and assess severity (mild, moderate or severe)

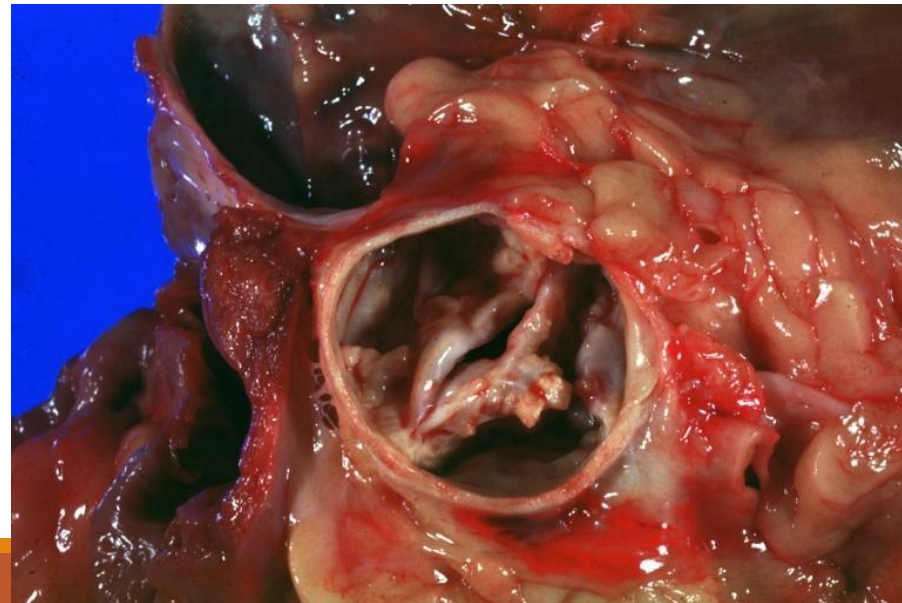
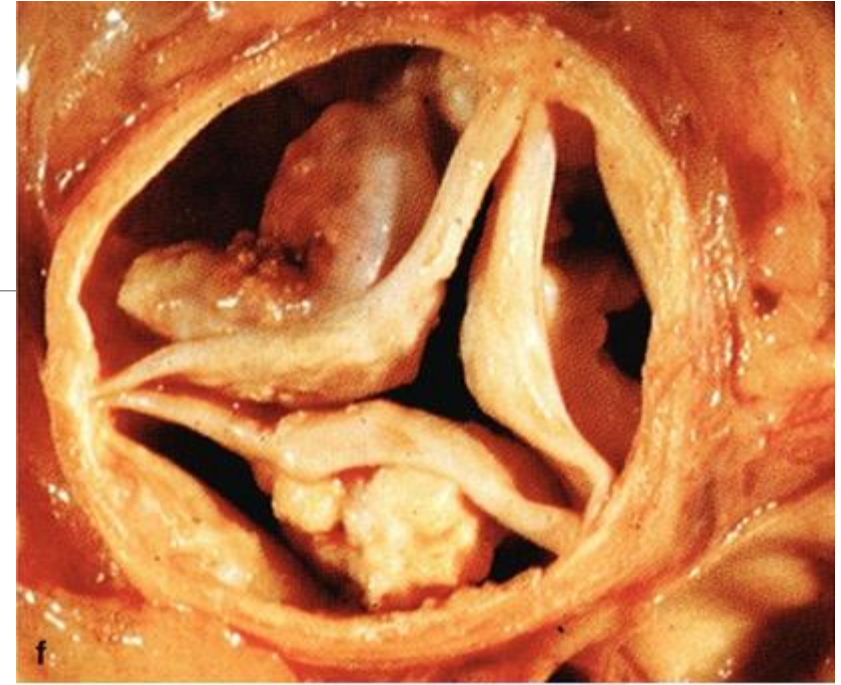
# COMMON VALVULAR CONDITIONS AND INNOVATIONS

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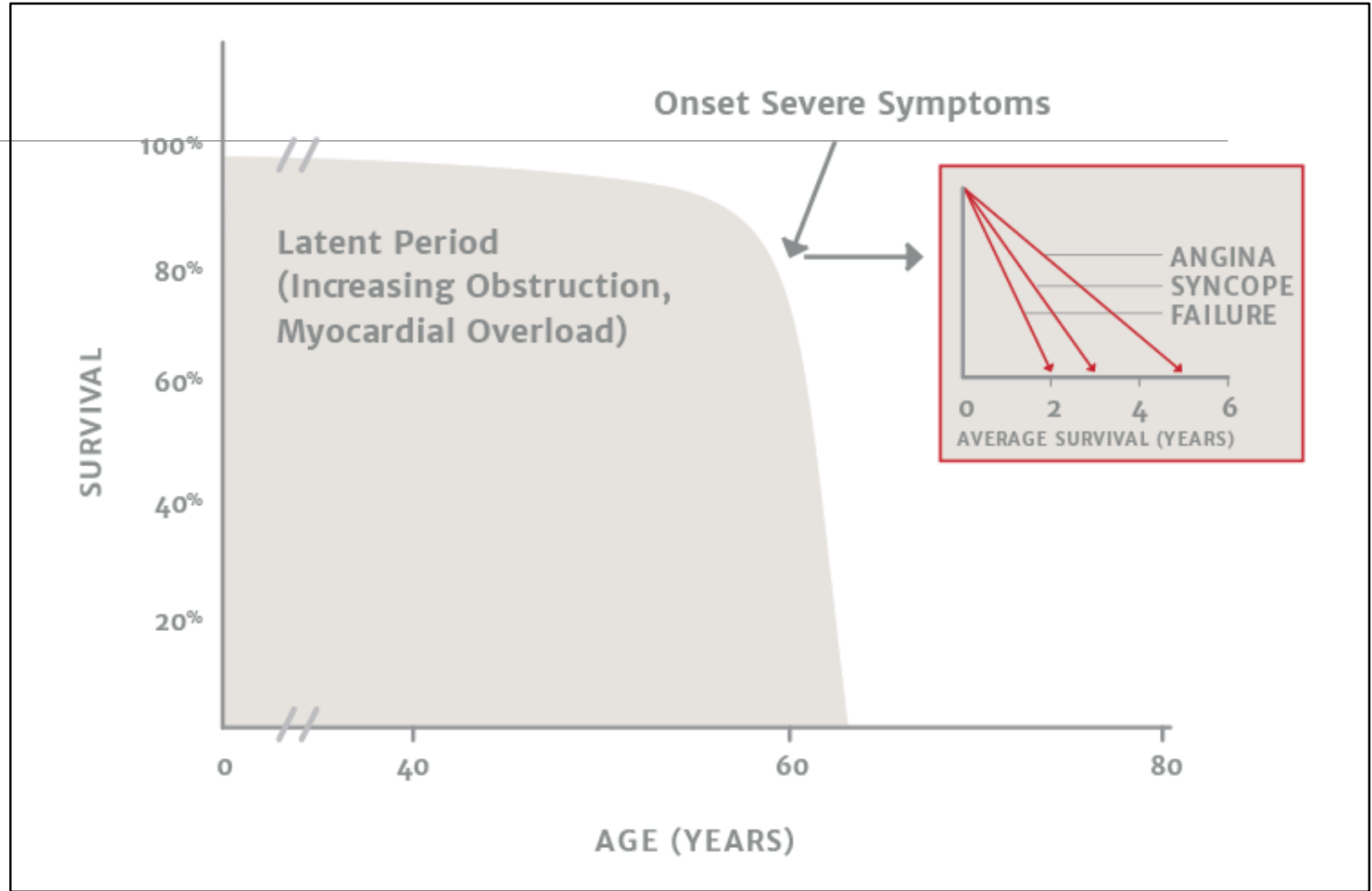


# AORTIC STENOSIS

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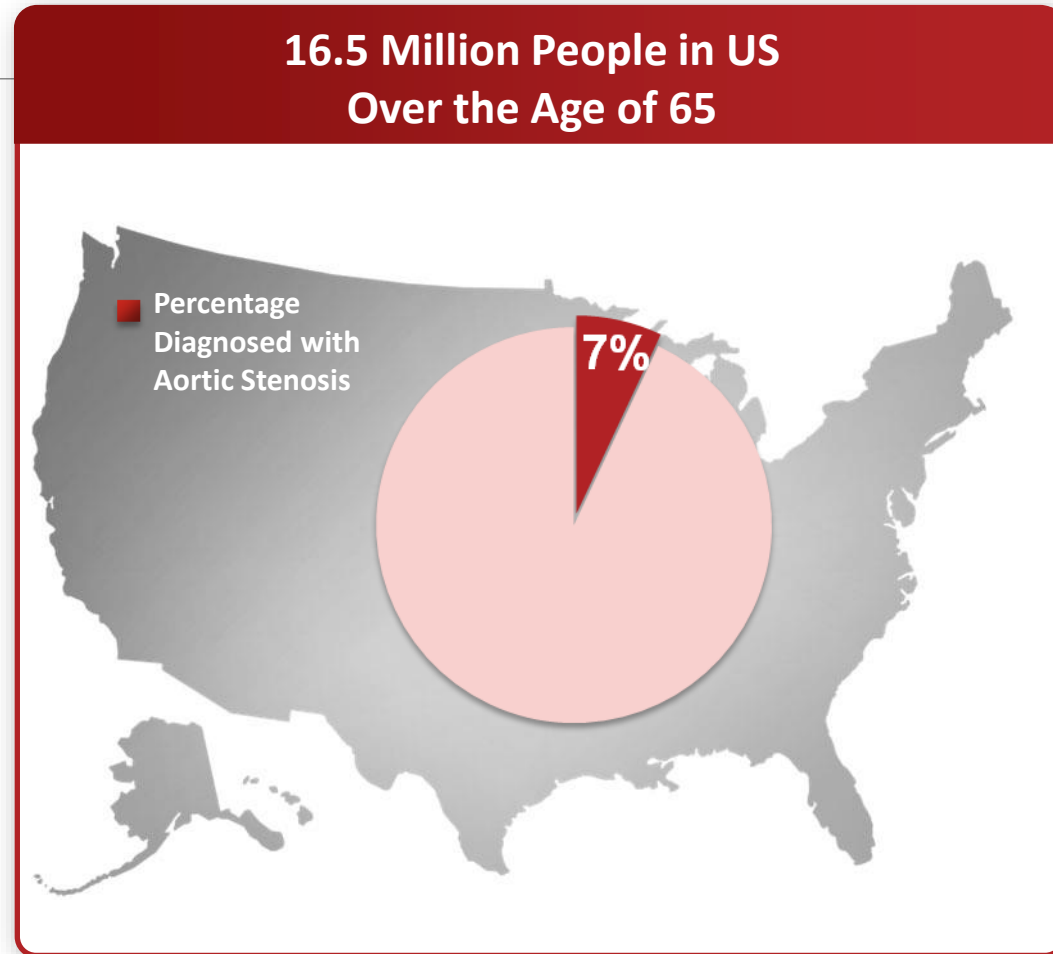
# SYMPTOMS



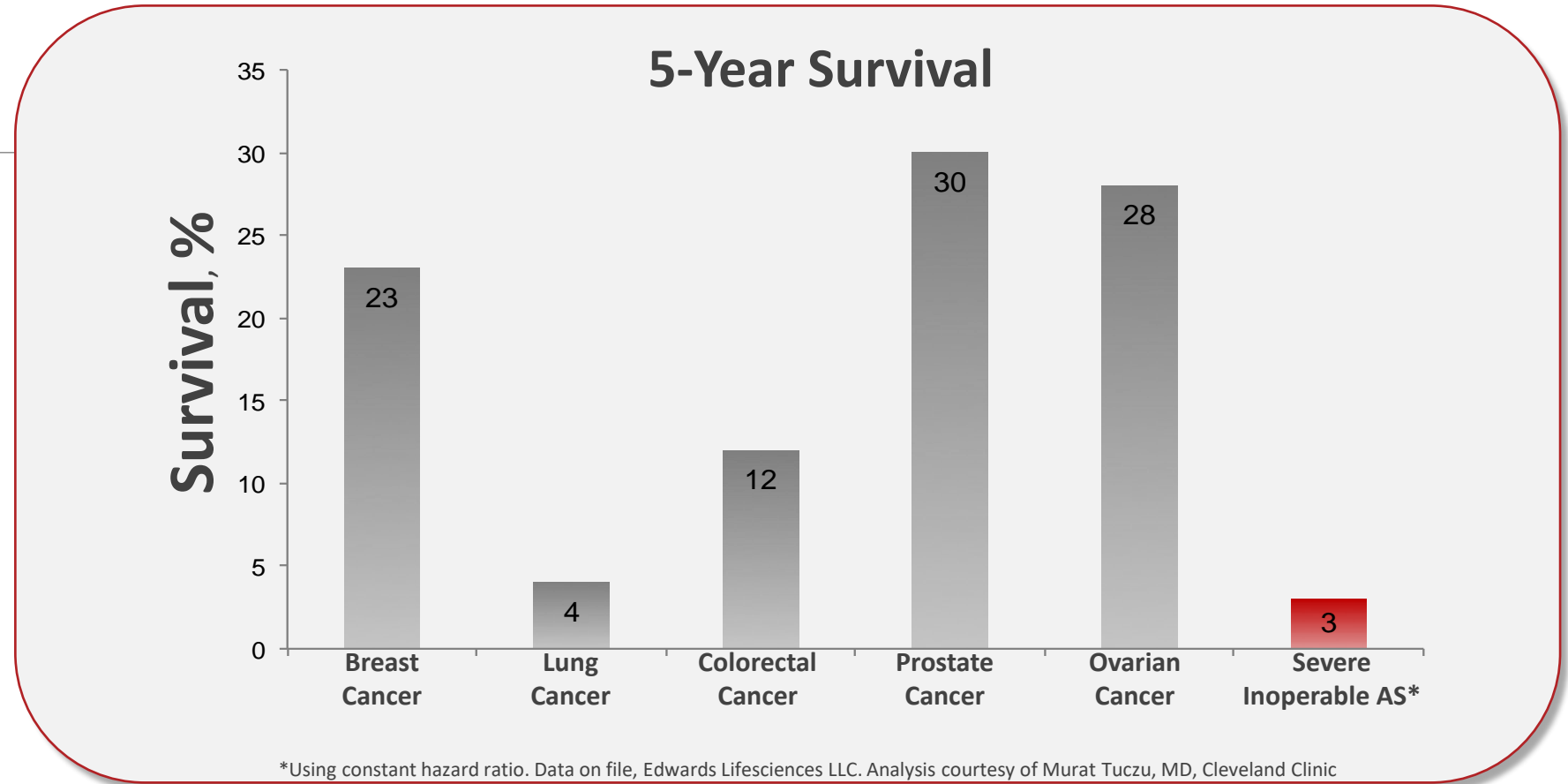


# PREVALENCE

- Prevalence ~7% of the population over the age of 65
- Affects men > women

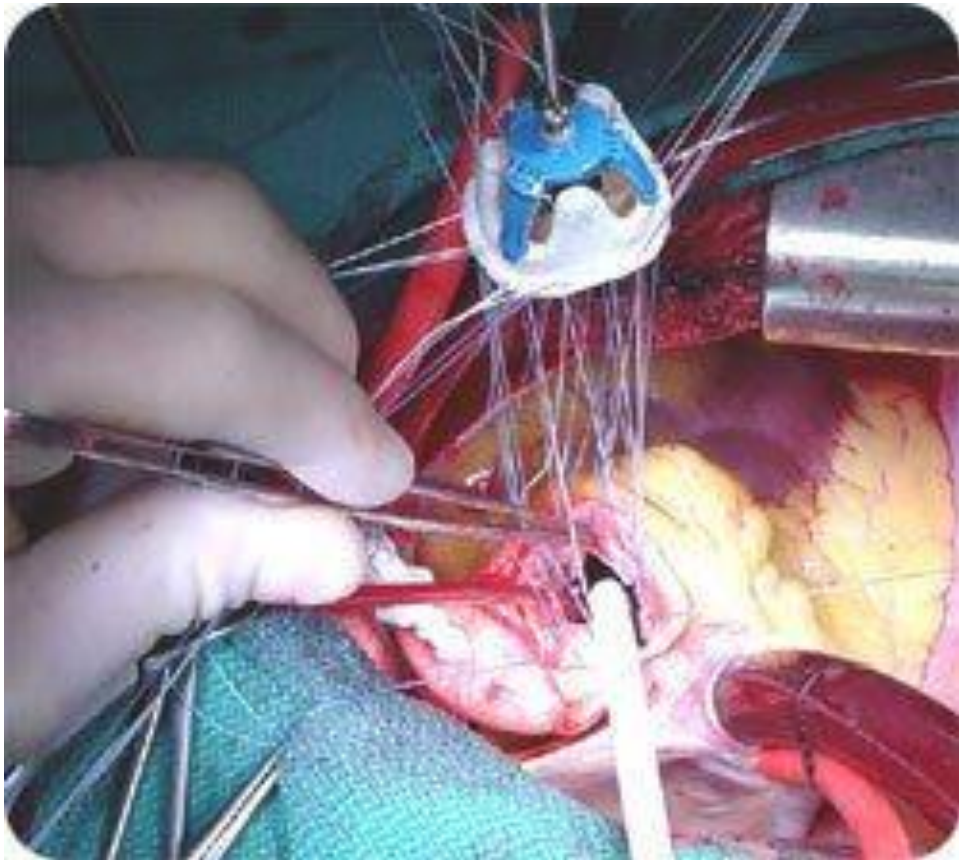


A SOBERING  
STATISTIC.....



5 year survival of breast cancer, lung cancer, prostate cancer, ovarian cancer and severe inoperable aortic stenosis

# THE STANDARD OF CARE..... FOR DECADES!



## Prosthetic Heart Valves



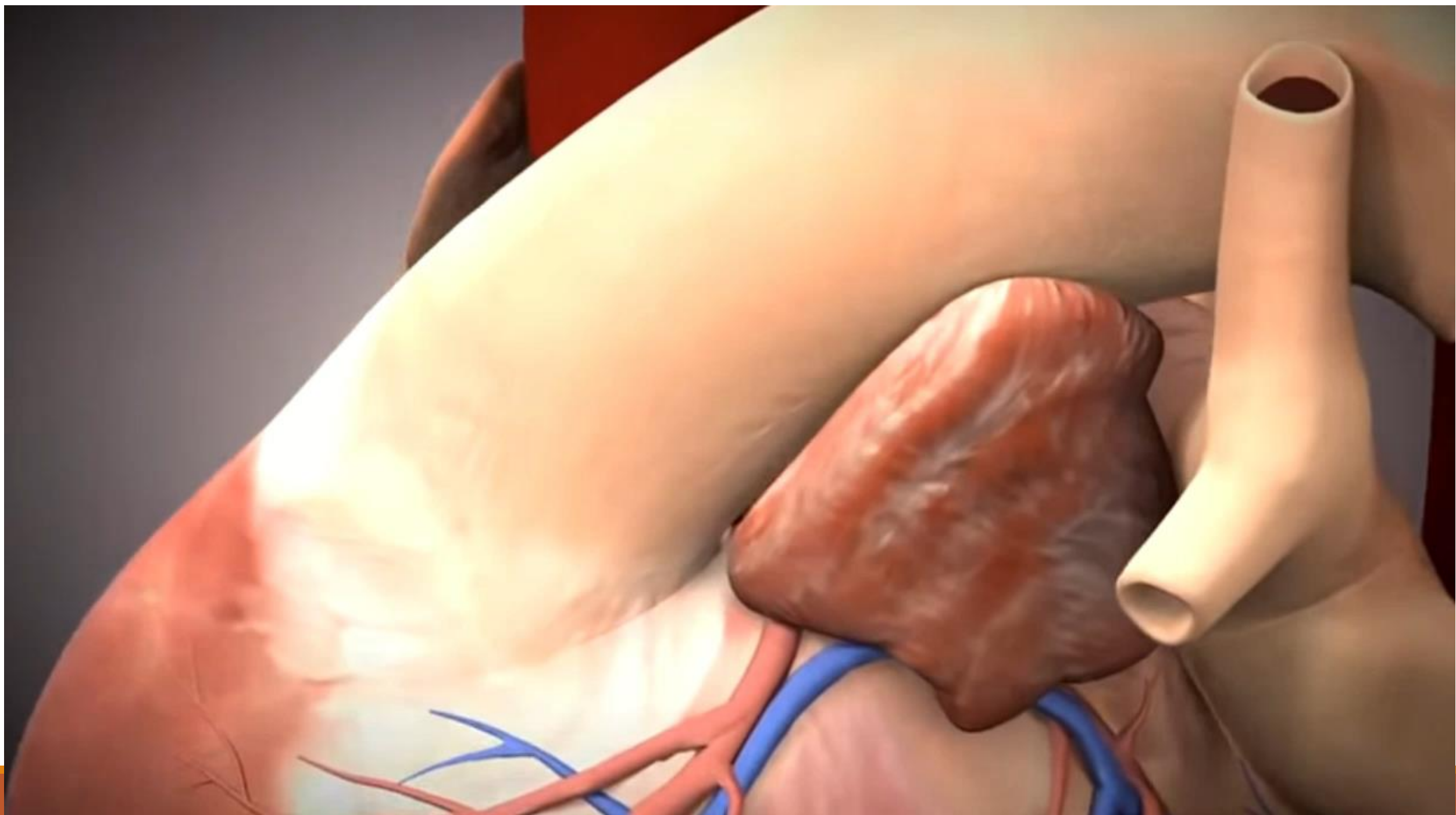
### Biologic

- Lasts 8-10 years
- No anticoagulation
- No Click

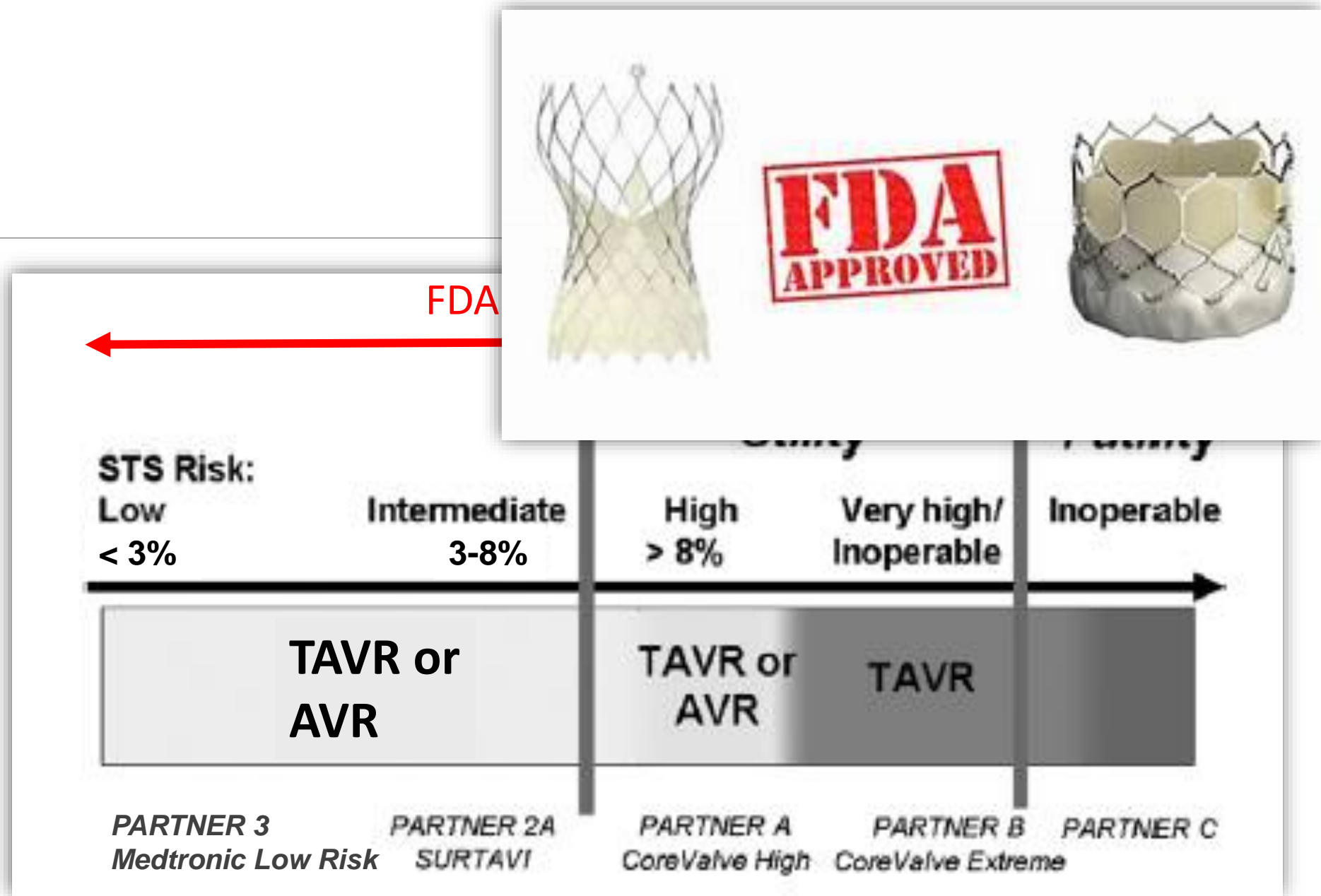


### Mechanical

- Lasts > 20 years
- Lifelong anticoagulation
- Click



# CURRENT STATUS







**Henning Rud Andersen, MD**

# MITRAL REGURGITATION

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# CAUSES OF MITRAL REGURGITATION

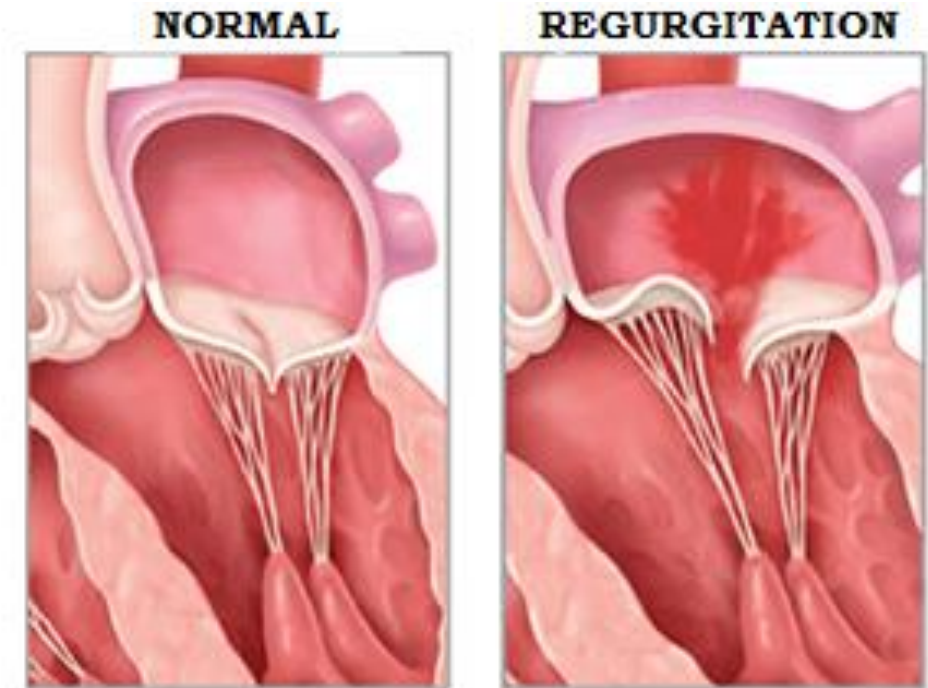
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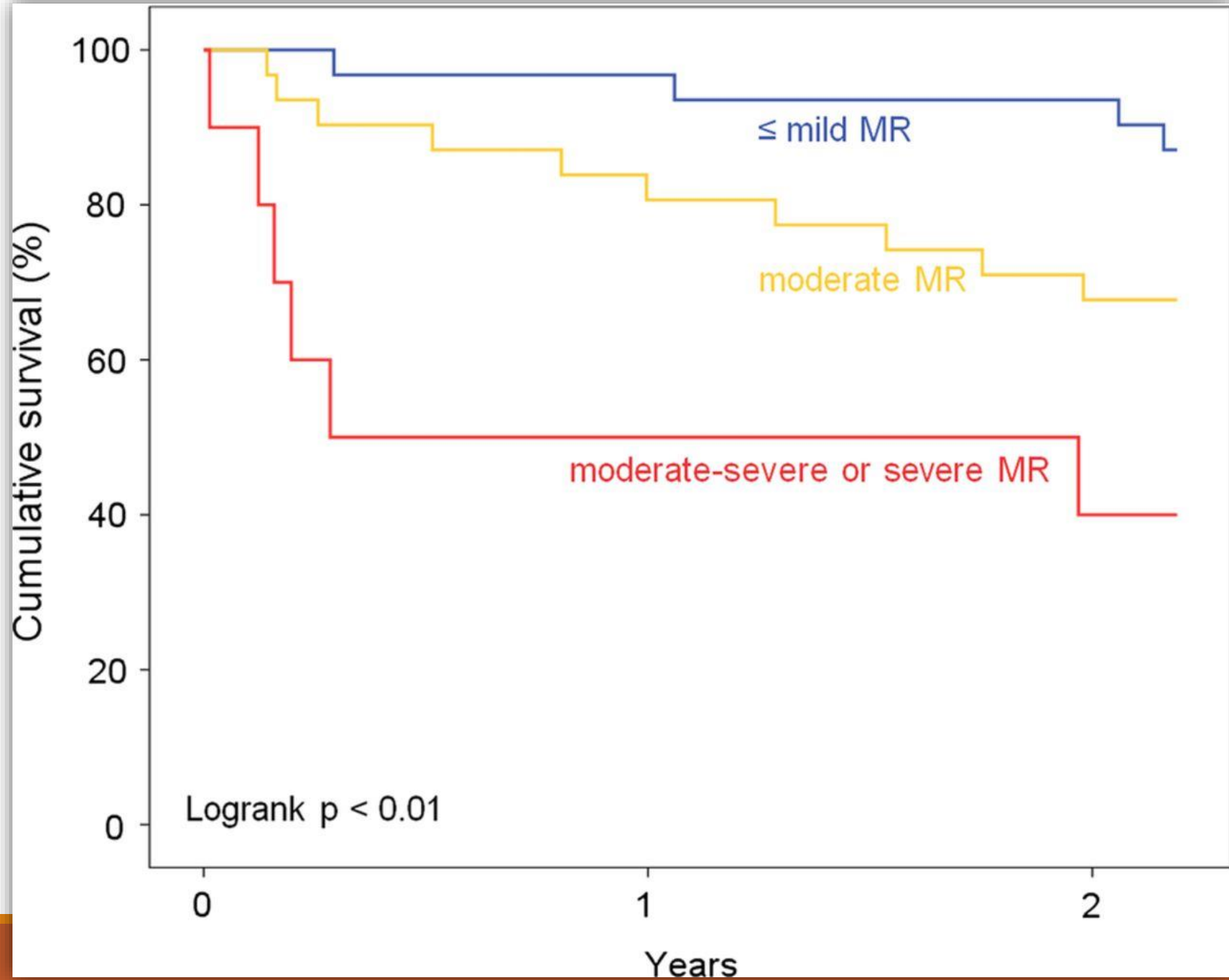
Degenerative/ myxomatous disease

Rheumatic heart disease

Infectious endocarditis

Cardiomyopathies





# MEDICAL MANAGEMENT

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Diuretics “water pills”

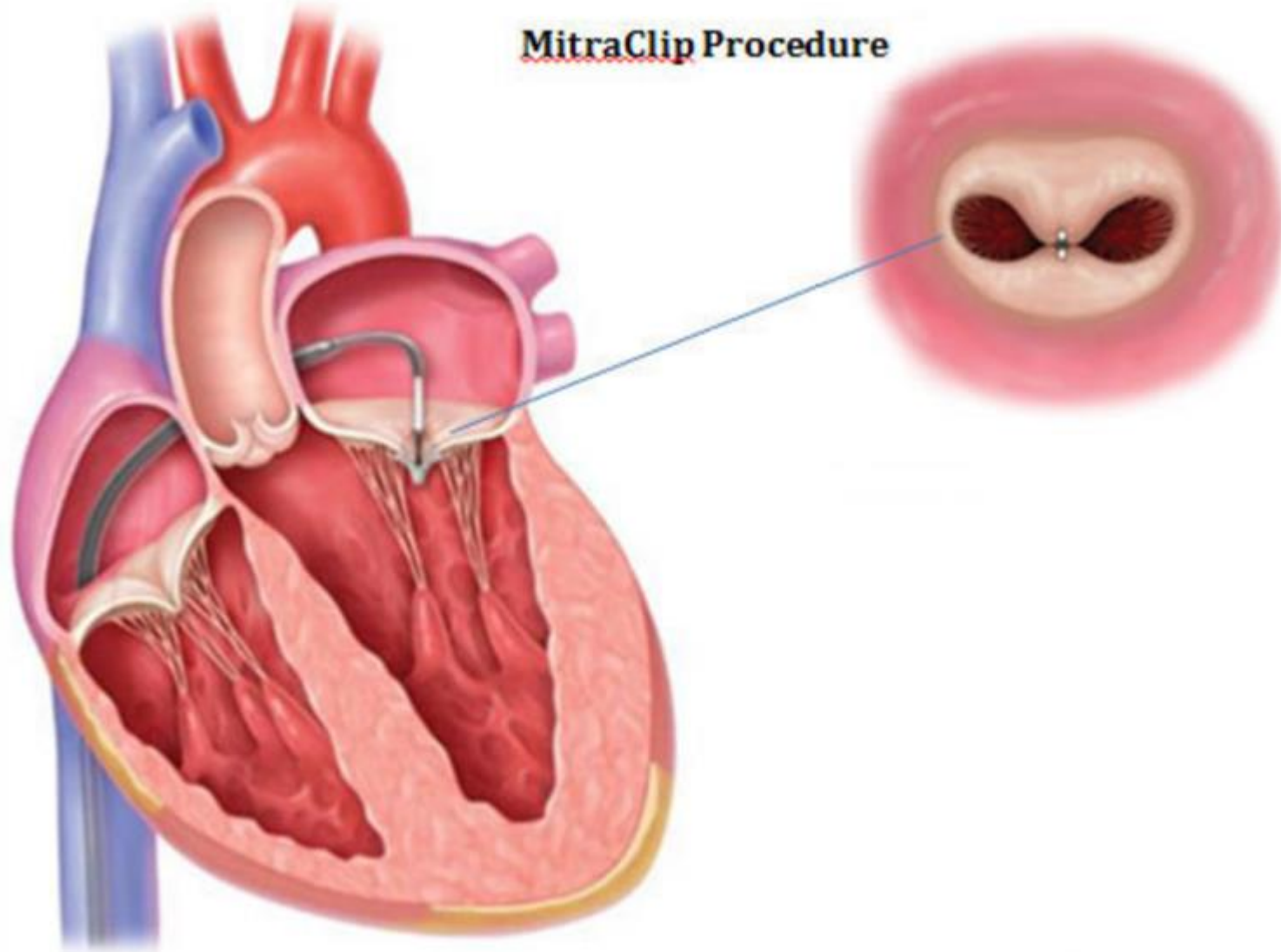
Blood pressure control

Blood thinners (if concurrent atrial fibrillation is present)

THE STANDARD OF CARE.....



## MitraClip Procedure



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Thank you for  
your attention....

