

ACQUIRED CAUSES

VASA VASORUM
→ COCAINE → AMPHETAMINE
HYPERTENSION (M/c)
→ >40-60 y/o
- TOBACCO USE +
- HLD +
TRAUMA
→ SHEAR FORCES
- ARTERIOSCLEROSIS OF VASA VASORUM

TRAUMA
→ MVC → DECELERATION INJURY

ATROGENIC
- CATHETERIZATION
- VALVE REPAIRS

VASCULITIS
→ SYPHILIS (3°)
- INFLAMMATION OF VASA VASORUM
- CYSTIC MEDIAL DEGENERATION
→ TAKAYASU'S ARTERITIS
- INFLAMMATORY GRANULOMA'S
- <50 y/o

CONGENITAL CAUSES

ANEURYSMS ⇌ DISSECTIONS

CONNECTIVE TISSUE DISORDERS
- MARFAN SYNDROME
- MUTATION → FIBRILLIN ↓ → ELASTICITY
- EHRLERS DANLOS SYNDROME (E.D.S.)
- MUTATION → COLLAGEN ↓ → RESILIENCY

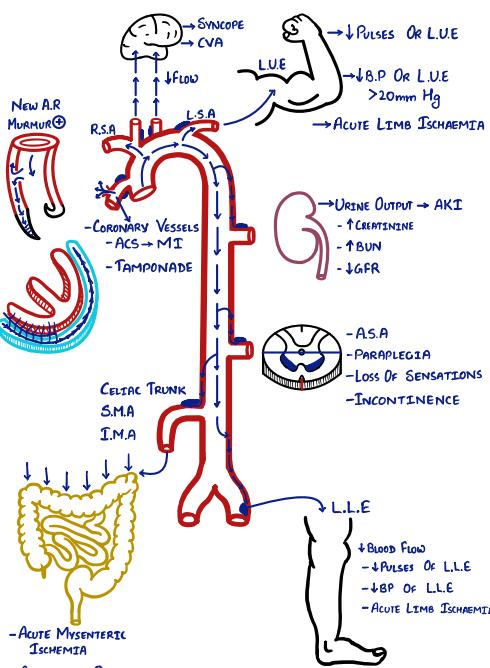
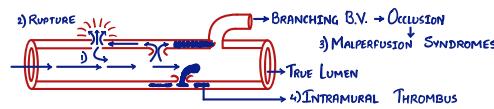
BICUSPID AORTIC VALVE
- ↑ RISK → AORTIC STENOSIS (M/c)
→ AORTIC REGURGITATION
- ↑ RISK OF HYPERTENSION
- ↑ RISK OF AORTIC ANEURYSMS
→ AORTIC DISSECTION

LVH → HTN

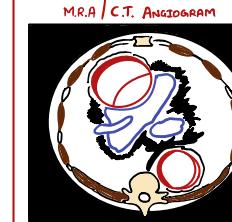
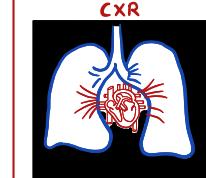
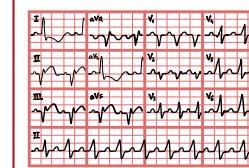
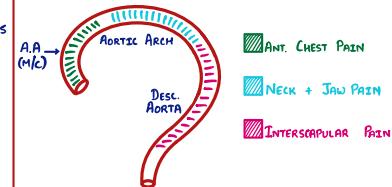
COARCTATION OF AORTA
- NARROW AORTA AT L.SUBLAVIAN
- HTN → ANEURYSMS
→ DISSECTION
- H/O TURNER'S SYNDROME
- BICUSPID AORTIC VALVE

- ACUTE MESENTERIC ISCHEMIA
- ABDOMINAL PAIN
- BLOODY DIARRHEA

PATHOPHYSIOLOGY



DIAGNOSIS



TREATMENT

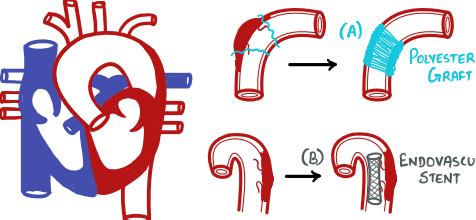
STANFORD A

- ASCENDING AORTA
- SURGERY

STANFORD B

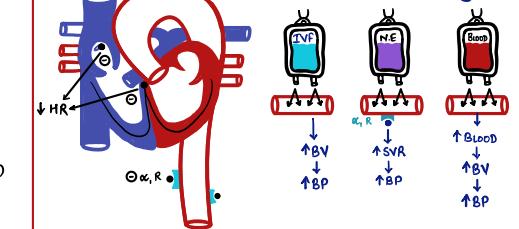
- BEYOND LEFT SUBCLAVIAN ARTERY
- ASCENDING AORTA
- MEDICAL THERAPY ± SURGERY

SURGICAL TREATMENT



HYPOTENSIVE THERAPY

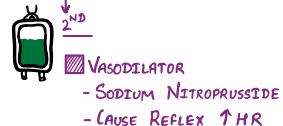
TARGET: M.A.P. ≥ 70 mm Hg



EVALUATE 3 THINGS:
1) RUPTURE
2) L. TAMPONADE
3) AORTIC INSUFFICIENCY

HYPERTENSIVE TREATMENT

TARGET: - SBP 100-120 mm Hg
- HR < 60 BPM



NINJA NERD

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