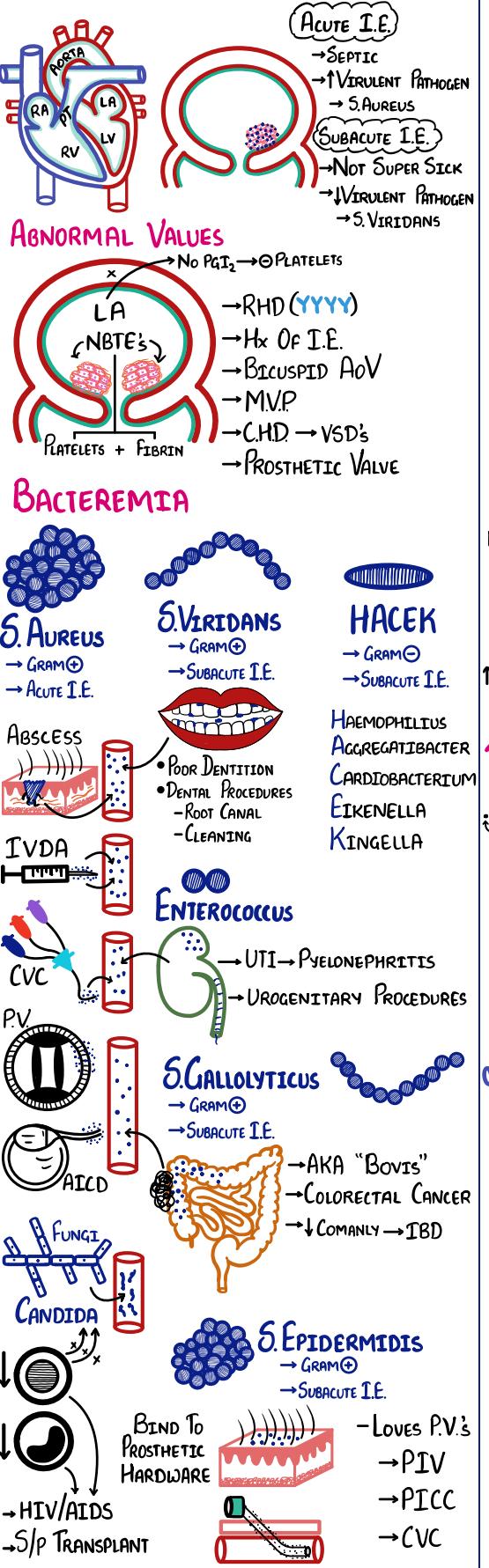
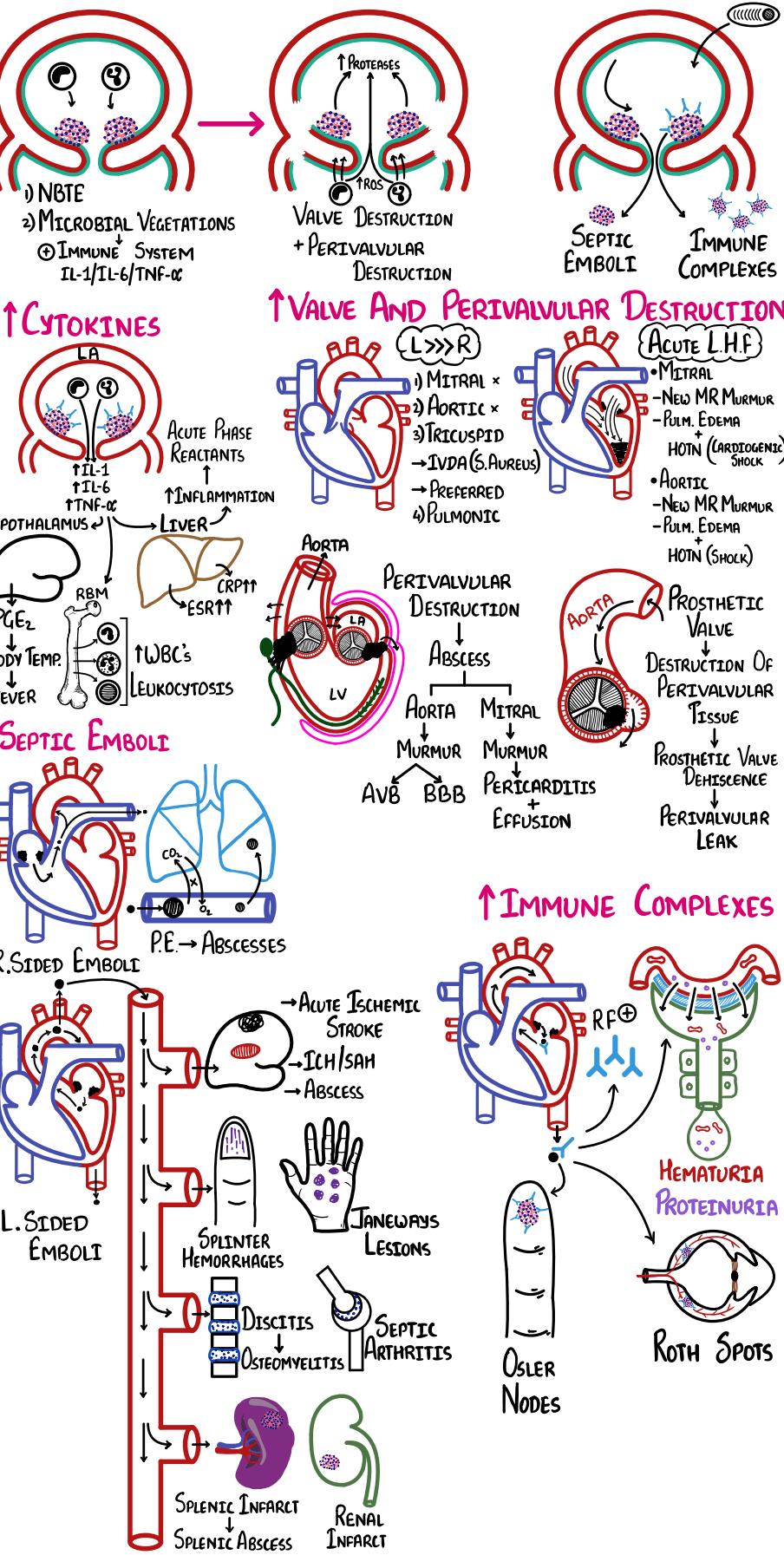


CAUSES



CLINICAL FEATURES & PHYSICAL EXAM



DIAGNOSIS AND DDx

ECHOCARDIOGRAPHY

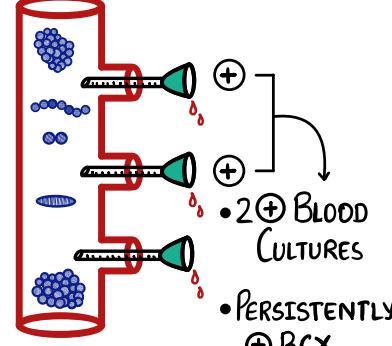
1ST → T.T.E. → BEST/CONFIRMATORY
T.E.E. → COMPLICATIONS → ABSCESSSES (RING)

- VEGETATIONS
- New Or Worse REGURGITATION MURMUR
- Prosthetic Valve DEHISCENCE
- PARAVALVULAR ABSCESS (AORTIC > MITRAL)

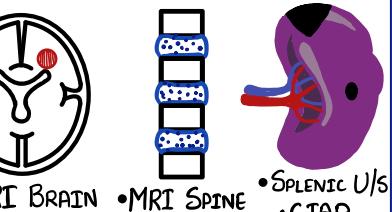


BLOOD CULTURES

- FIND BACTEREMIA → TYPICAL PATHOGENS
- 3 SETS OF CULTURES



TESTS FOR SEPTIC EMBOLI



- MRI BRAIN
- MRI SPINE
- BMP
- CTPA
- MRI U/S
- CXR
- Renal U/S
- AKI
- ↑ BUN
- ↑ CR
- UA ε Micro
- RBC's (CASTS)
- PROTEINURIA
- Osler Nodes (PAINFULL)
- RF
- Physical Exam

DDx

→ NONINFECTION ENDOCARDITIS??

MAJOR CRITERIA	MODIFIED DUKES	MINOR CRITERIA
④ ECHO FINDINGS	① 2 MAJOR + ② 1 MAJOR + ③ 3 MINOR ④ 5 MINOR	④ FEVER ④ PREDISPOSING FACTORS ④ SEPTIC EMBOLI ④ IMMUNE COMPLEX ④ BLOOD Cx NOT MEETING MAJOR CRITERIA
④ BLOOD Cx	- 2 + - PERSISTENTLY + - TYPICAL PATHOGENS	④ SLE (LIBMAN-SACKS)
		④ PANCREATIC TUMOR ADVANCED MALIGNANCY (MARANTIC)

Dx:-
BCx -> BIOPSY CONFIRM
Tx:-
Abx -> Won't Work

TREATMENT AND PREVENTION

ANTIBIOTICS

BCx → ABx (EMPIRIC) → BCx +
Narrow ABx

NATIVE VALVE I.E.
→ ACUTE → S. AUREUS < MSSA MRSA
• VANCOMYCIN + B-LACTAM
→ CEFAZOLIN
→ NAFCICILIN
→ SUBACUTE → S. VIRIDANS, HACEK, ENTEROCOCCUS
• VANCOMYCIN + AMPICILLIN/SULBACTAM + PCN ALLERGY → CEFTRIAXONE

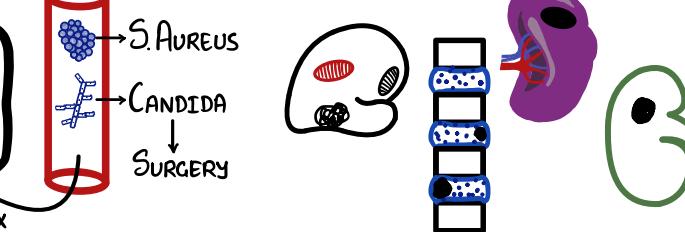


PROSTHETIC VALVE I.E.

→ ACUTE → S. AUREUS
• VANCOMYCIN + B-LACTAM + (CEFRIME)
* GENTAMYCIN ± RIFAMPIN
→ SUBACUTE → S. EPIDERMIDIS, S. VIRIDANS, HACEK, ENTEROCOCCUS
• VANCOMYCIN + AMPICILLIN/SULBACTAM + * GENTAMYCIN ± RIFAMPIN

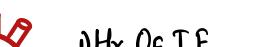


PERIVALVULAR ABSCESS



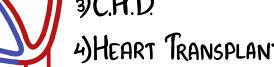
No Improvement

IV ABx "Bug Juice"



RECURRENT SEPTIC EMBOLI

S. AUREUS
CANDIDA
SURGERY



ENDOCARDITIS PROPHYLAXIS

CARDIAC CONDITIONS

- 1) Hx Of I.E.
- 2) PROSTHETIC VALVE
- 3) C.H.D.
- 4) HEART TRANSPLANT & VALVULOPLasty



PROCEDURES

- DENTAL PROCEDURES - Root Canal, Cleaning
- I&D Of Abscess
- SKIN
- MUSCLE
- R.T. INCISION OR BX



ANTIBIOTIC PPx

30-60 MIN PRIOR

P.O. → AMOXICILLIN

IV/IM → AMPICILLIN

PCN ALLERGY → AZITHROMYCIN

→ CLINDAMYCIN

Juli. G

NINJA NERD