

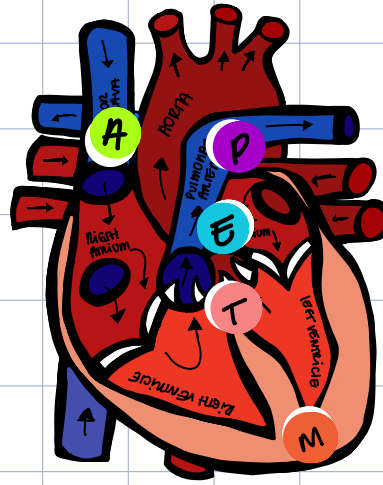
HEART SOUNDS @ CONGESTIVE HEART FAILURE

NORMAL SOUNDS

S1 TRICUSPID AND MITRAL VALVE CLOSURE (END OF DIASTOLE)

S2 PULMONARY AND AORTIC VALVE CLOSURE (END OF SYSTOLE)

S3 VENTRICULAR GALLOP
NORMAL IN PREGNANCY
CHILDREN
ATHLETES
CONGESTIVE HEART FAILURE



ABNORMAL SOUNDS

S4 ATRIAL GALLOP
IMMEDIATELY BEFORE S1
THICKENED VENTRICLE
HYPERTROPHY
CARDIOPATHY
POST MI / PROLONGED
HYPERTENSION
PERICARDIAL FRICTION RUB
HEARD DURING SYSTOLE @ DIASTOLE
SCRATCHING SOUND
PERICARDITIS

TIME

ALL PEOPLE ENDY TIME MAGAZINE
(AORTA / AORTIC VALVE)
PULMONIC (SEMIUNARV.)
ERB'S POINT
TRICUSPID
MITRAL VALVE

SISTOLIC MURMURS

AORTIC STENOSIS
BETWEEN S1-S2
SQUISHING SOUND
BLOOD FORCED
THROUGH A RESTRICTED
AORTA

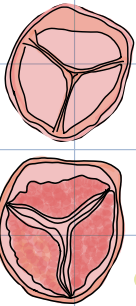
CALCIFY STENOSIS
AGE
RHEUMATOID FEVER

MITRAL VALVE PROLAPSE
BETWEEN S1 AND S2
MIDYSTOLIC CLICKING
CLICKING SOUND
CONGENITAL DEFORMITY
CONNECTIVE TISSUE DISORDER

DIASTOLIC MURMURS

MITRAL STENOSIS
LOW PITCHED
RUMBLING SOUND
AFTER S2
RHEUMATIC FEVER

AORTIC REGURGITATION
HIGH PITCHED
DECREASED
MURMUR
ERB'S POINT
CONGENITAL DEFORMITY
RHEUMATOID FEVER

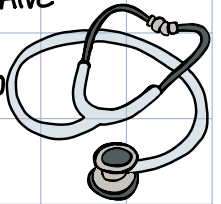


STETHOSCOPE:

BELL: USED FOR LOW
PITCHED SOUND
SMALL = 10
S1/S2/S4 @
MITRAL STENOSIS

DIAPHRAGM:

HIGH PITCHED SOUND
BIG = HIGH
S1/S2 AORTIC STENOSIS
AORTIC REGURGITATION
MITRAL VALVE PROLAPSE
PERICARDIAL FRICTION RUB



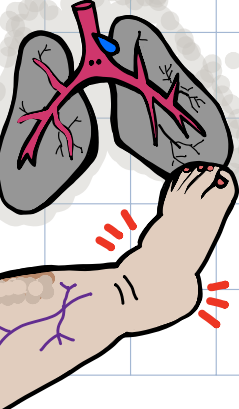
RIGHT CONGESTIVE HEART FAILURE

AKA COR PULMONARY
INABILITY OF RIGHT
VENTRICLE TO PUMP
INTO THE LUNGS
CAUSE: PROGRESSIVE
LEFT HEART FAILURE
OR PRIOR MI
PULMONARY ARTERY
RESISTANCE

s/s:

MILD DYSPNEA
DEPENDENT EDEMA
LOW ACTIVITY TOLERANCE
JUGULAR VEIN
DISTENSION
WEIGHT GAIN
ASCITES

MANAGEMENT
40 TO 60%
MAX HR @
WARM UP AND
COOL DOWNS
MEDS:
↓ AFTER LOAD
DIURETIC



LEFT CONGESTIVE HEART FAILURE

INABILITY OF THE LEFT
VENTRICLE TO PUMP
BLOOD INTO THE BODY
CAUSING BLOOD BACK
FLOW INTO THE LUNGS
(PULMONARY EDEMA)

s/s

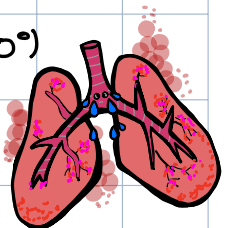
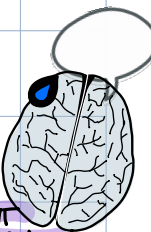
PROGRESSIVE DYSPNEA
PRODUCTIVE SPASMODIC
COUGH (PINK FROTH)
PULMONARY EDEMA
ACCESSORY MUSCLE USE
CENTRAL HYPOXY
NAIL CHANGES

IMPORTANT CONSIDERATION
LOW BLOOD
PRESSURE
WITH INCREASED
AFTER LOAD IS
NOT A MEDICAL
EMERGENCY

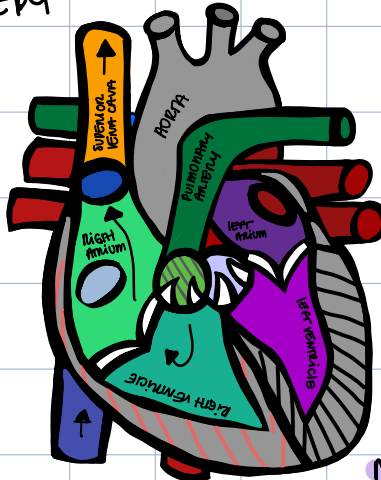
MANAGEMENT
HIGH FOWLER POSITION (60°)

MED:

DECREASED CONTRACTILITY
CALCIUM CHANNEL BLOCKER
DECREASED RESISTANCE
VASODILATION
ACE INHIBITOR



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HEY HUMAN!
THIS IS A PERFECT
TIME TO RENEW
SOME CARDIAC MEDS

