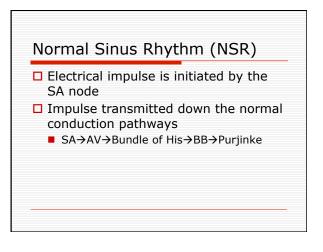
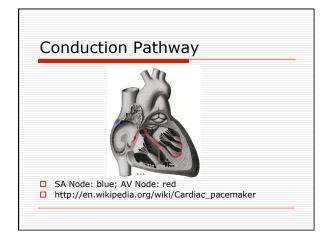
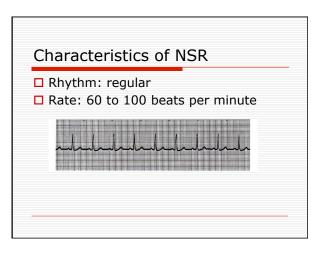


Topic for Today: Sinus Rhythms NSR: Normal Sinus Rhythm SB: Sinus Bradycardia ST: Sinus Tachycardia SA: Sinus Arrhythmia Sinus Block/Sinus Pause/Sinus Arrest





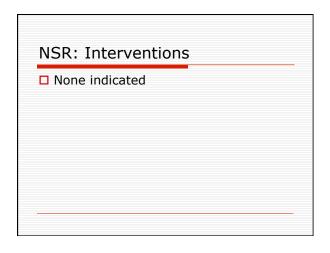


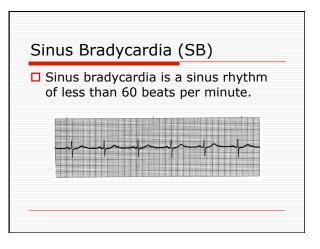
NSR: 8 Steps...

- 1. P wave: upright, rounded All p waves similar in size and shape A p wave exists for every QRS complex 2. Atrial rhythm: regular
- 3. Atrial rate: 60 to 100 beats per minute
- 4. PR interval: within normal limits (0.12 to 0.20 sec) 5. Ventricular rhythm: regular
- 6. Ventricular rate: 60 to 100 beats per minute
- 7. QRS complex: within normal limits (0.06 to 0.10 sec)
- 8. QT interval: within normal limits (0.36 to 0.44 sec)

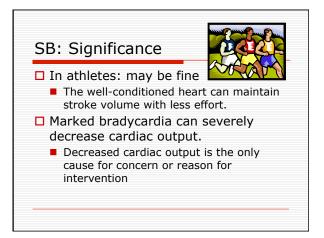
NSR: Significance

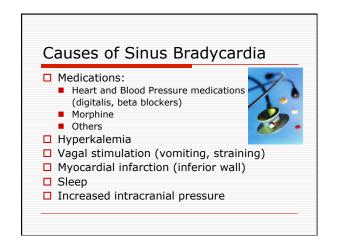
- □ NSR indicates normal myocardial cell depolarization and repolarization.
- Normal conduction of the action potential impulse from the SA node.

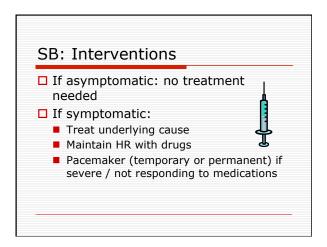


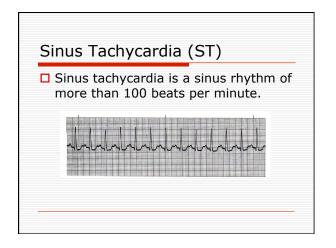


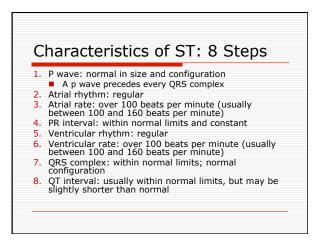
Characteristics of SB: 8 Steps P wave: normal in size and configuration 1. A p wave precedes every QRS complex 2. Atrial rhythm: regular 3. Atrial rate: less than 60 beats per minute 4. PR interval: within normal limits and constant 5. Ventricular rhythm: regular 6. Ventricular rate: less than 60 beats per minute 7. QRS complex: within normal limits; normal configuration QT interval: usually within normal limits, but may be slightly prolonged 8.

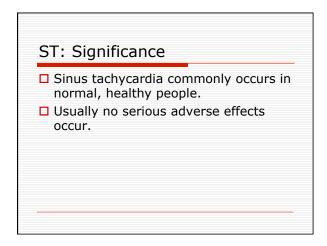


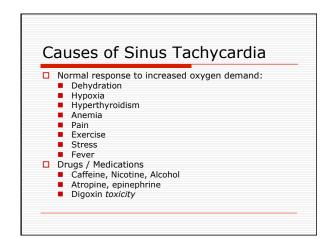


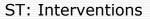




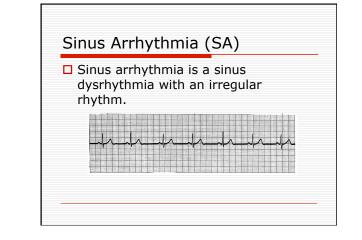


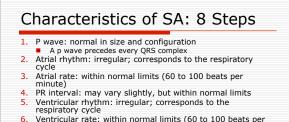






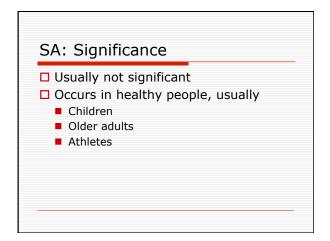
- □ If asymptomatic / short duration: no treatment may be needed.
- □ If symptomatic:
 - Treat underlying cause
 - Slow HR with drugs (beta blockers)

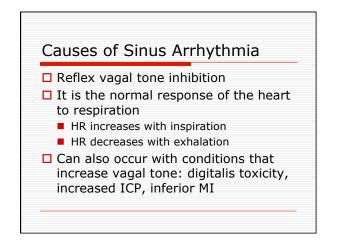


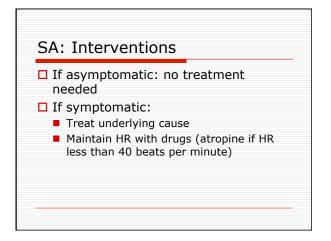


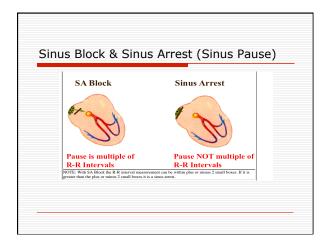


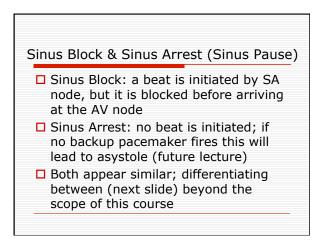
QRS complex: within normal limits; normal configuration QT interval: usually within normal limits, may vary slightly 7. 8.











IS DIOCK & SITIUS	Arrest (Sinus Pause)
Pause is multiple of	Pause NOT multiple of
R-R Intervals	R-R Intervals
NOTE: With SA Block the R-R interval measur greater than the plus or minus 2 small boxes it is	ement can be within plus or minus 2 small boxes. If it is s a sinus arrest.
Sinus Block	
With SA Block the R-R interval measurement is	within plus or minus 2 small boxes.
Sinus Arrest	
With SA Arrest the R.R. interval measurement is	s greater than plus or minus 2 small boxes.

Sinus Block 8	Sinus Arrest
	es of the SA node emia, inflammation,
	edications and/or epending on the cause)
pacemaker (de	epending on the cause)