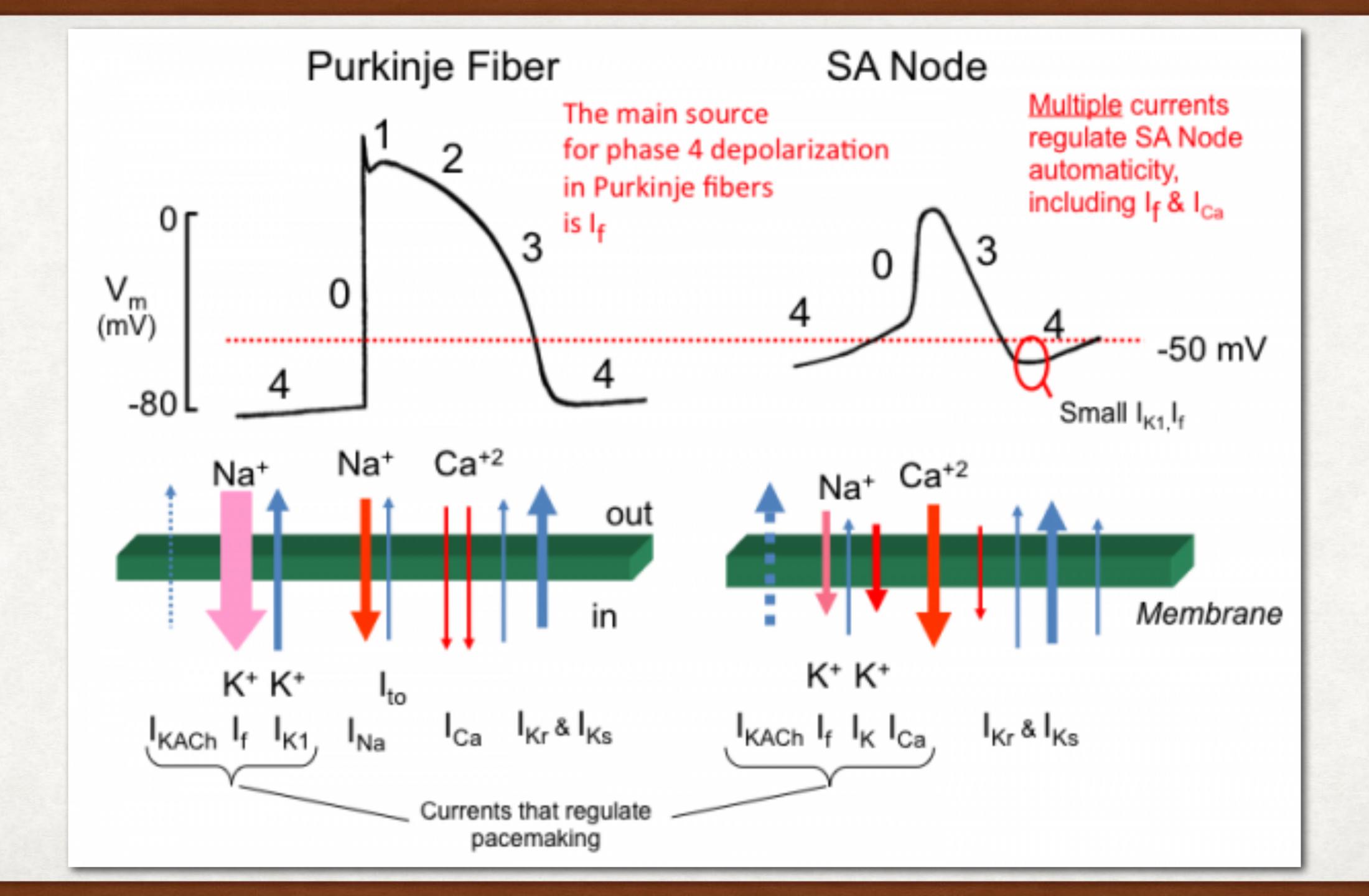
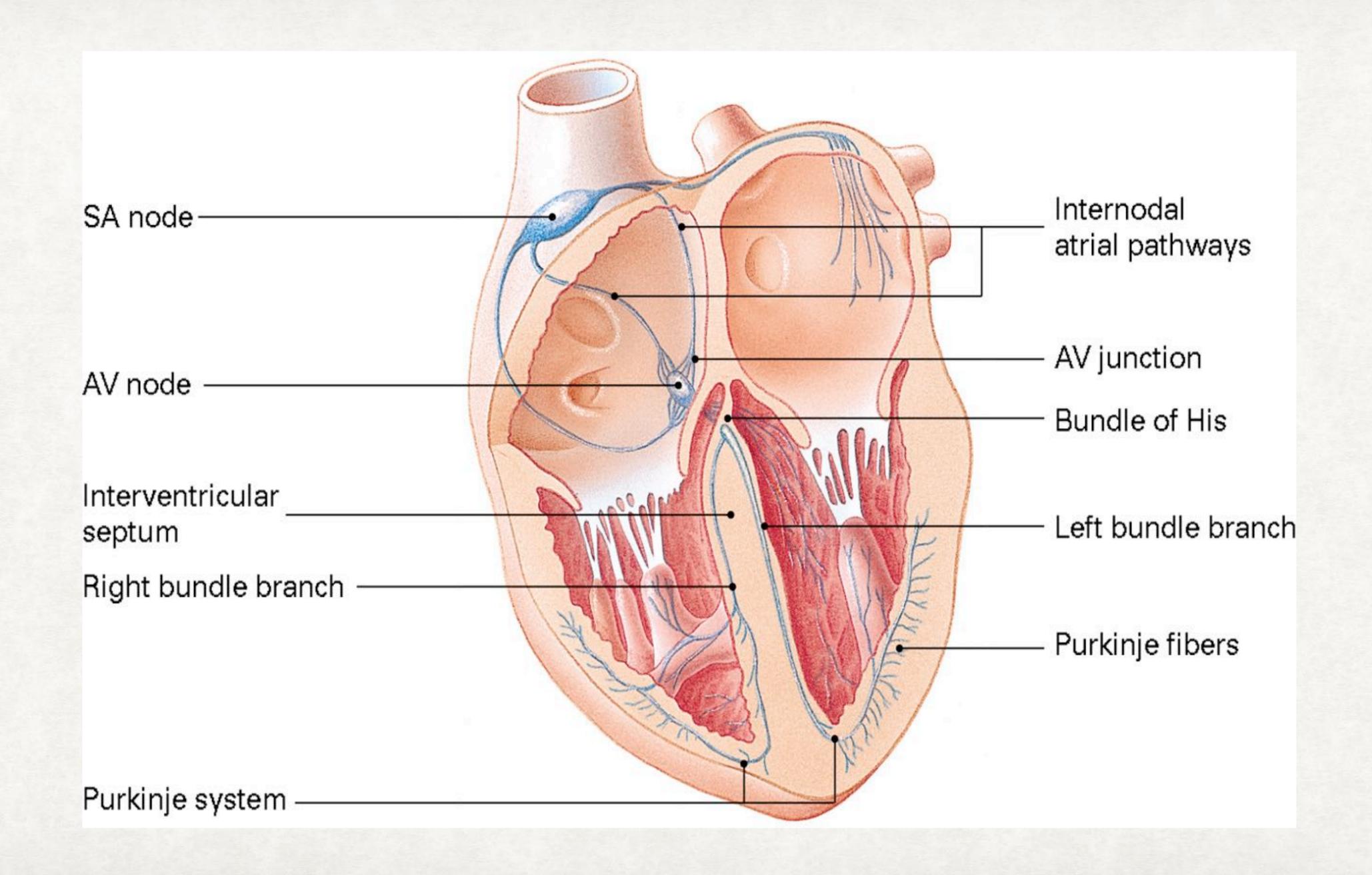
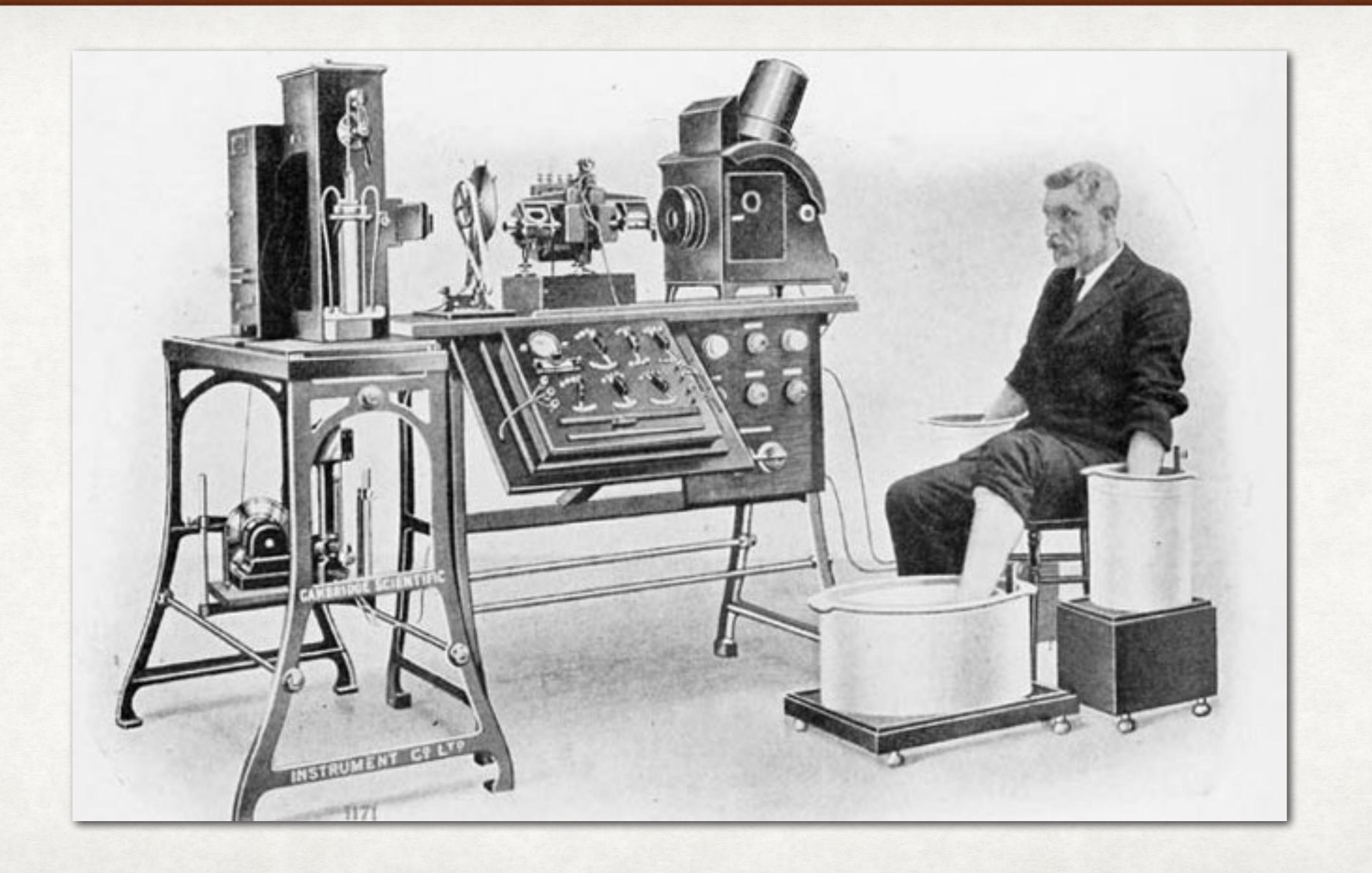
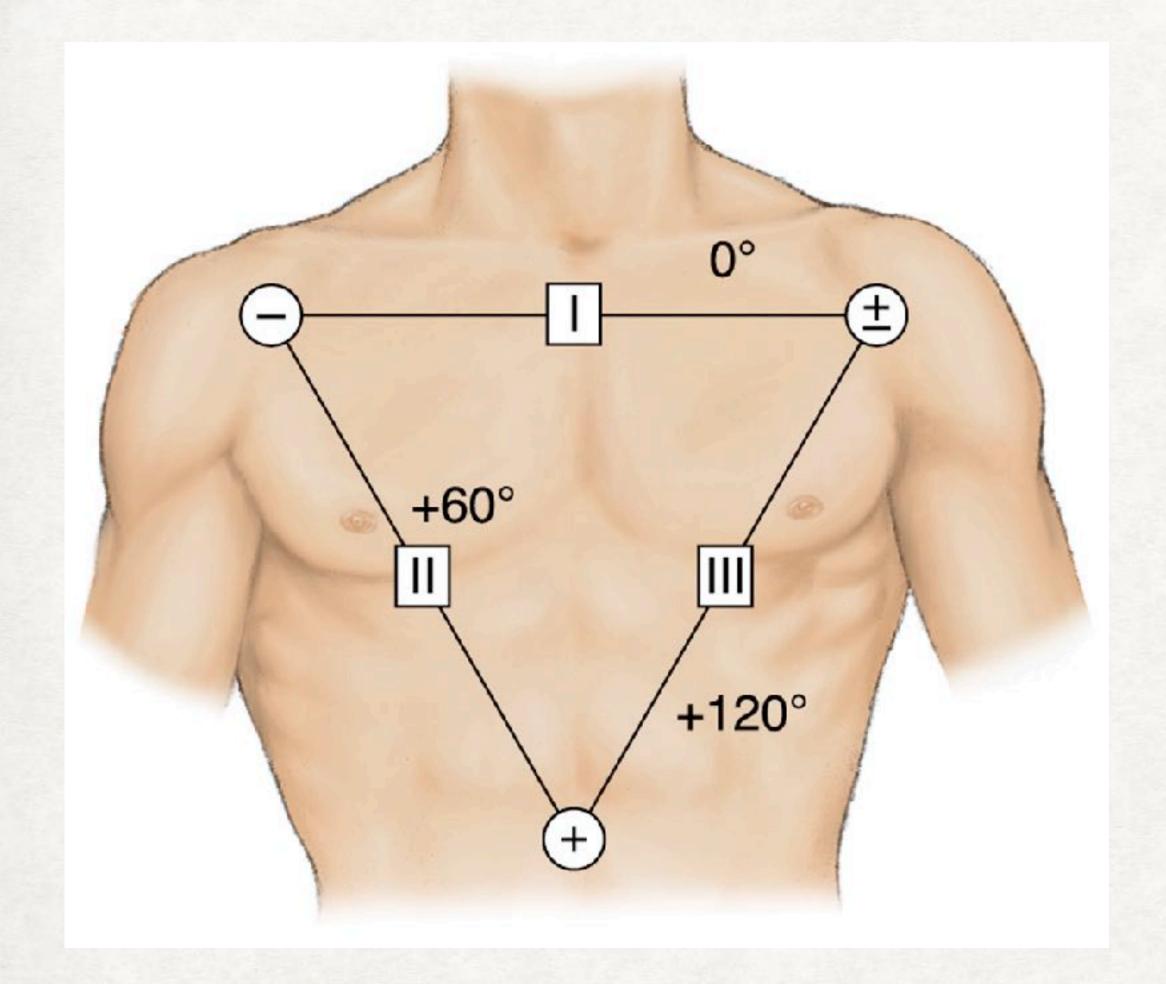
# DR. MAHLOW EKG AND EP STUDY

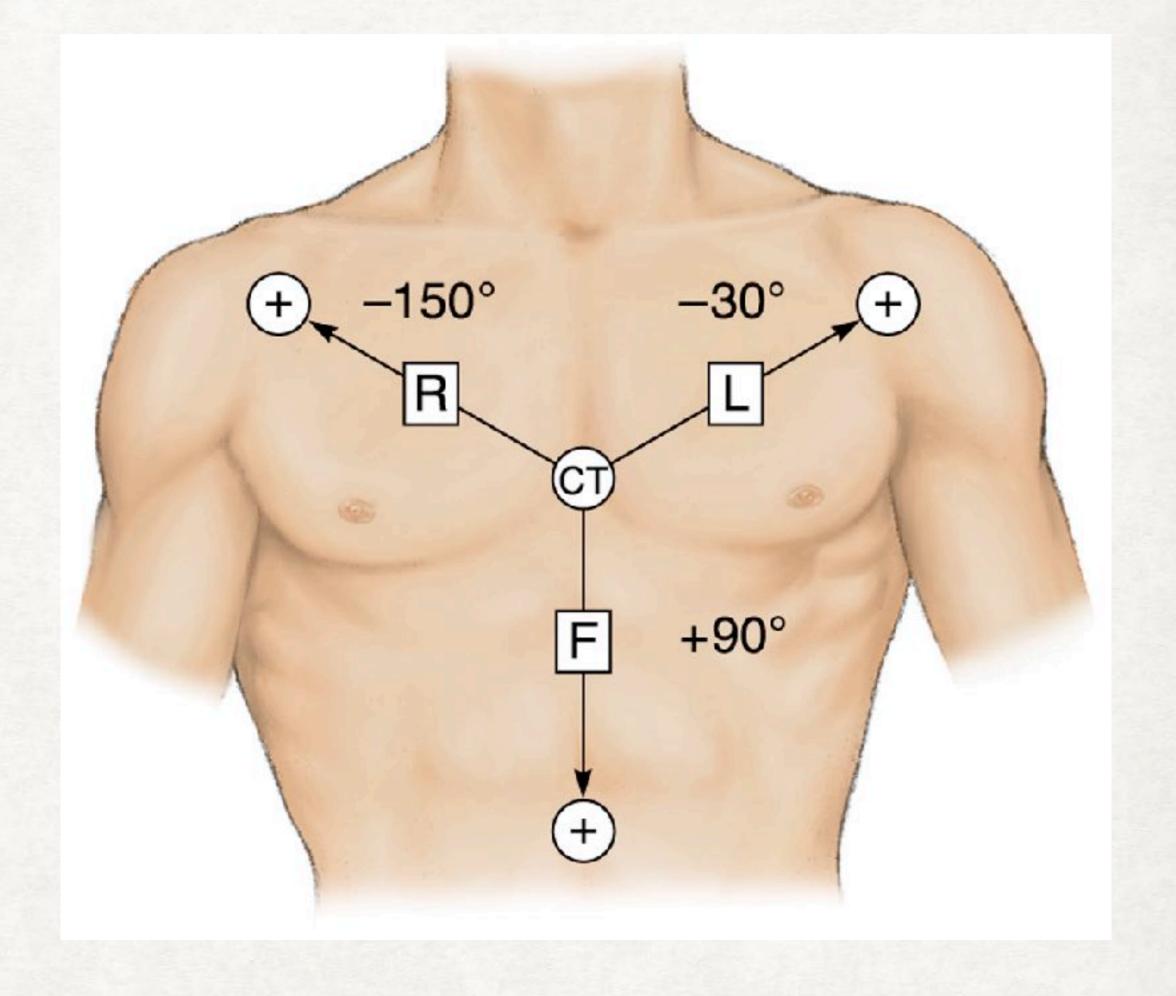


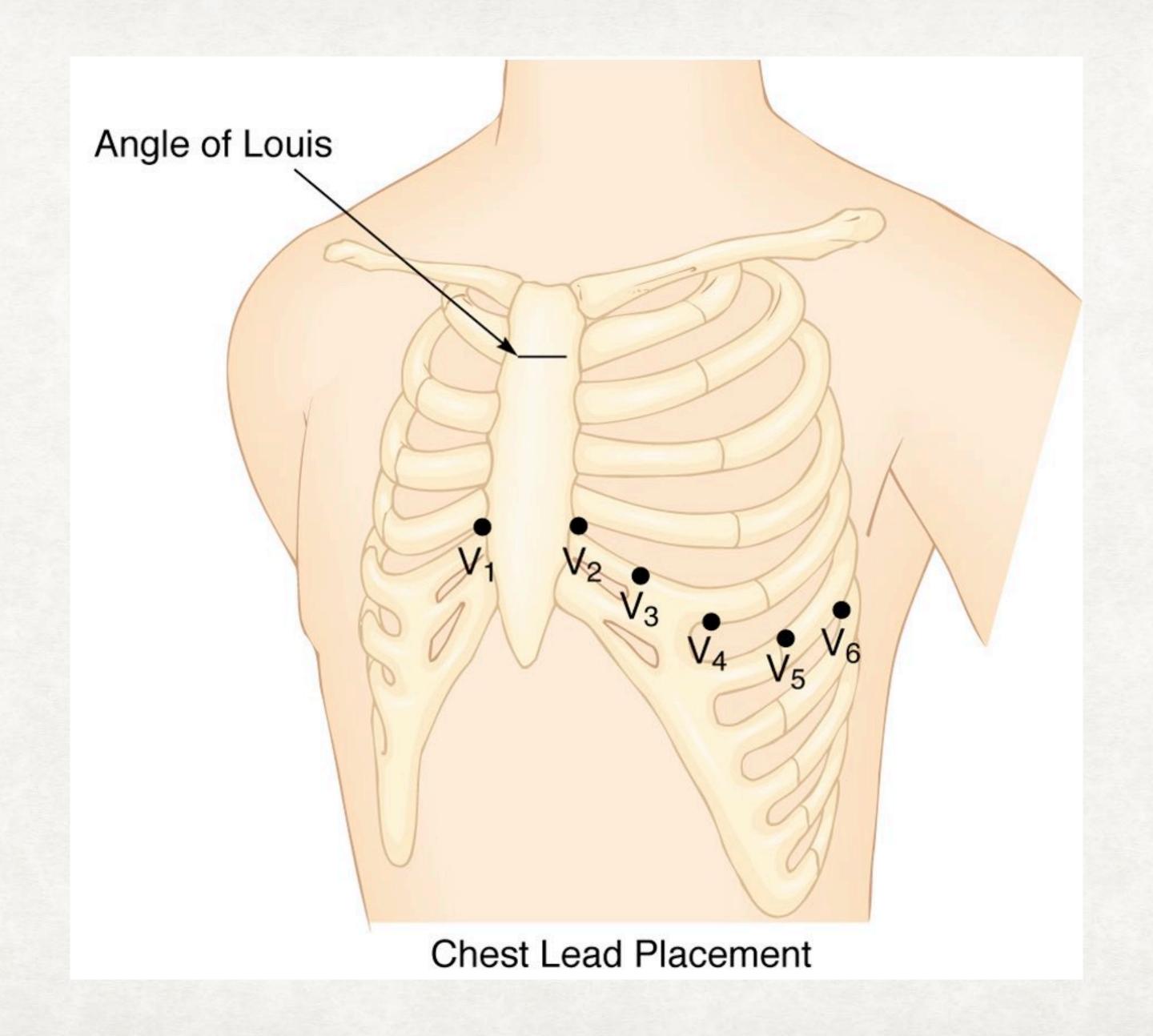


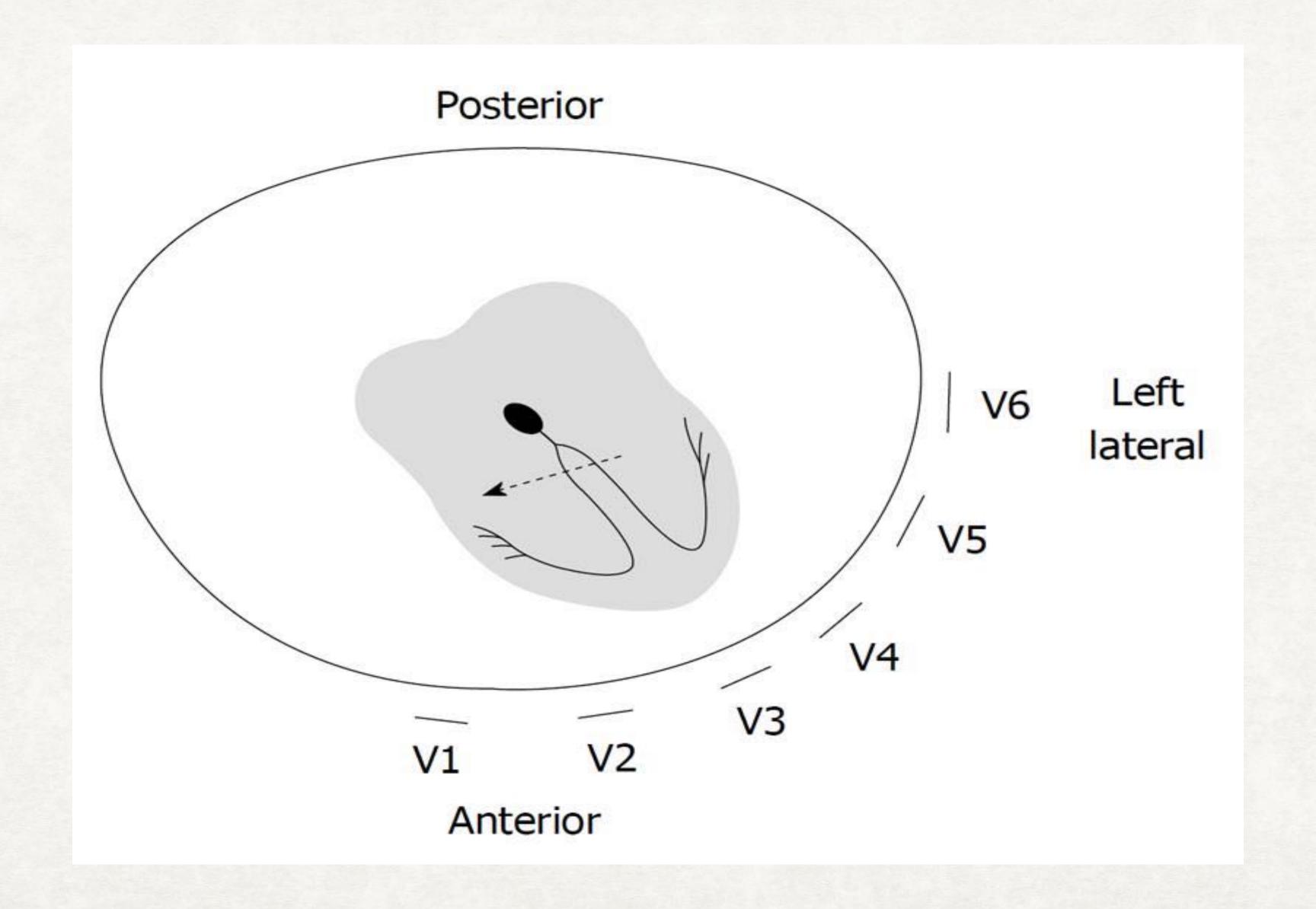


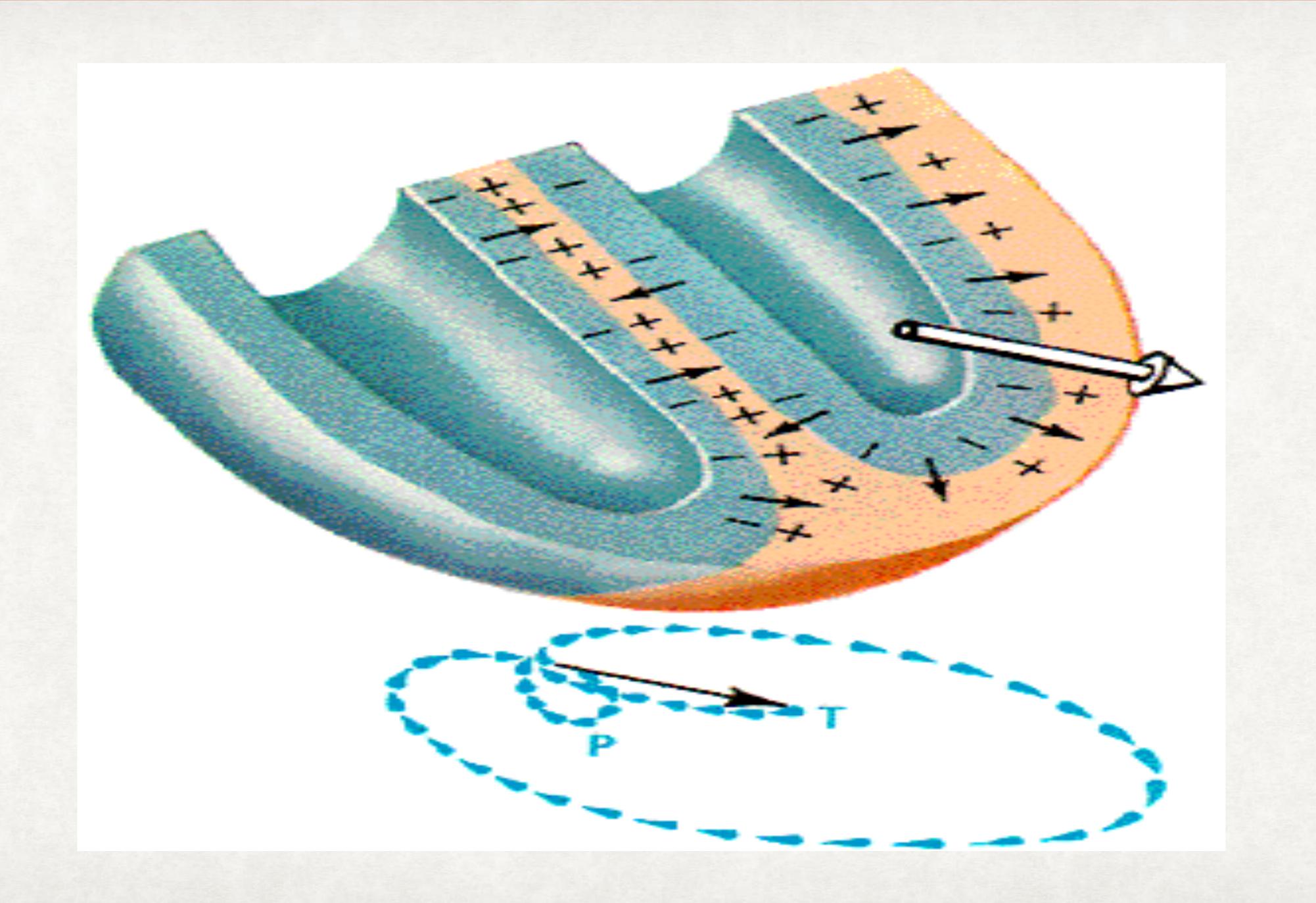












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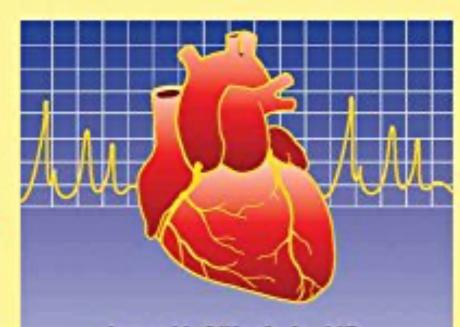
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### ECG CRITERIA BOOK

SECOND EDITION



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https://uconcall.com/ekgcurriculum

- Rate
- Rhythm
- Axis
- Interval
- Waveform

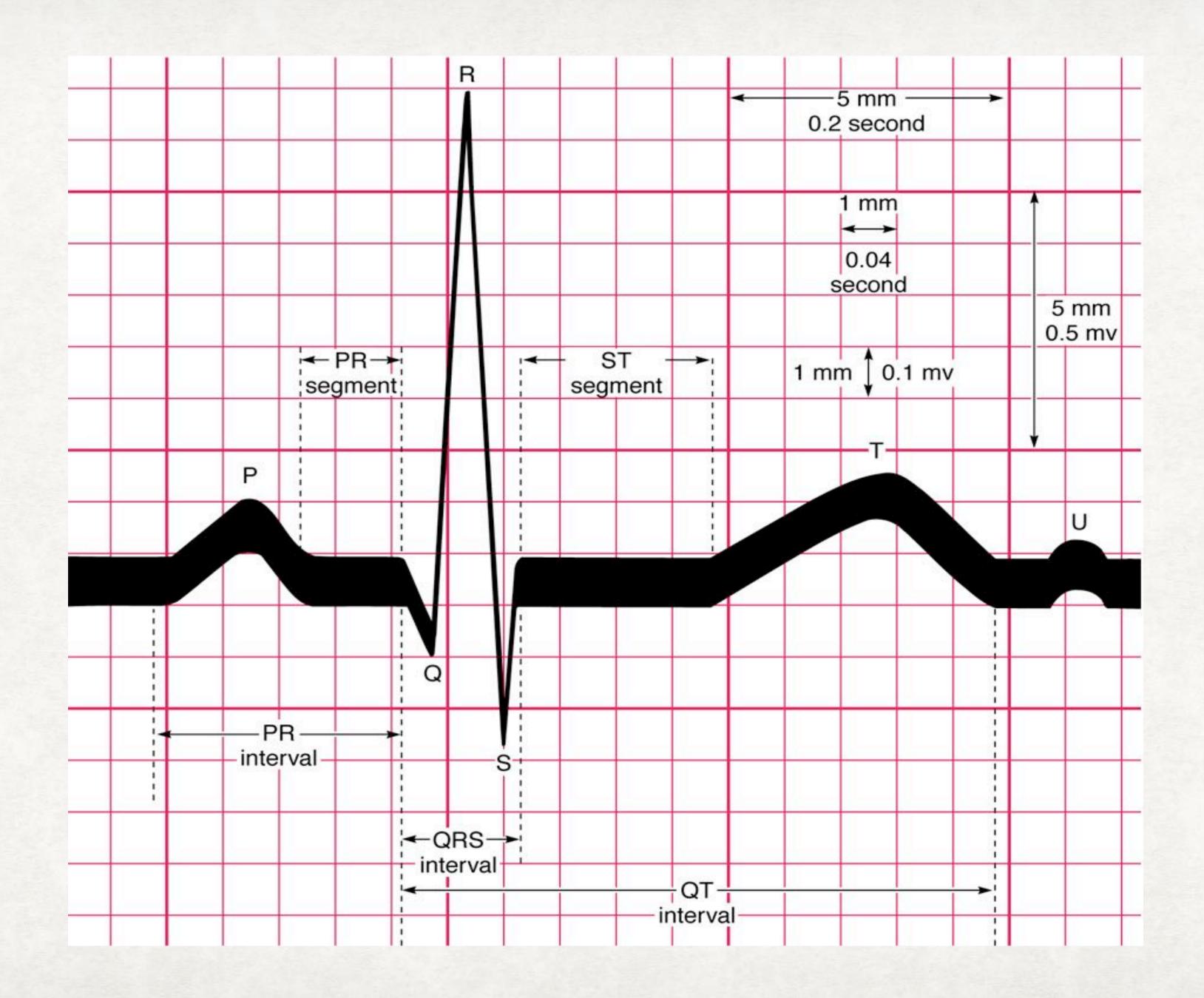
- Rate
  - 300,150,100,75,60,50
- Rhythm
- Axis
- Interval
- Waveform

- Rate
- Rhythm
  - Look at all QRSs. P waves? Fib? Flutter? AV Block?
- Axis
- Interval
- Waveform

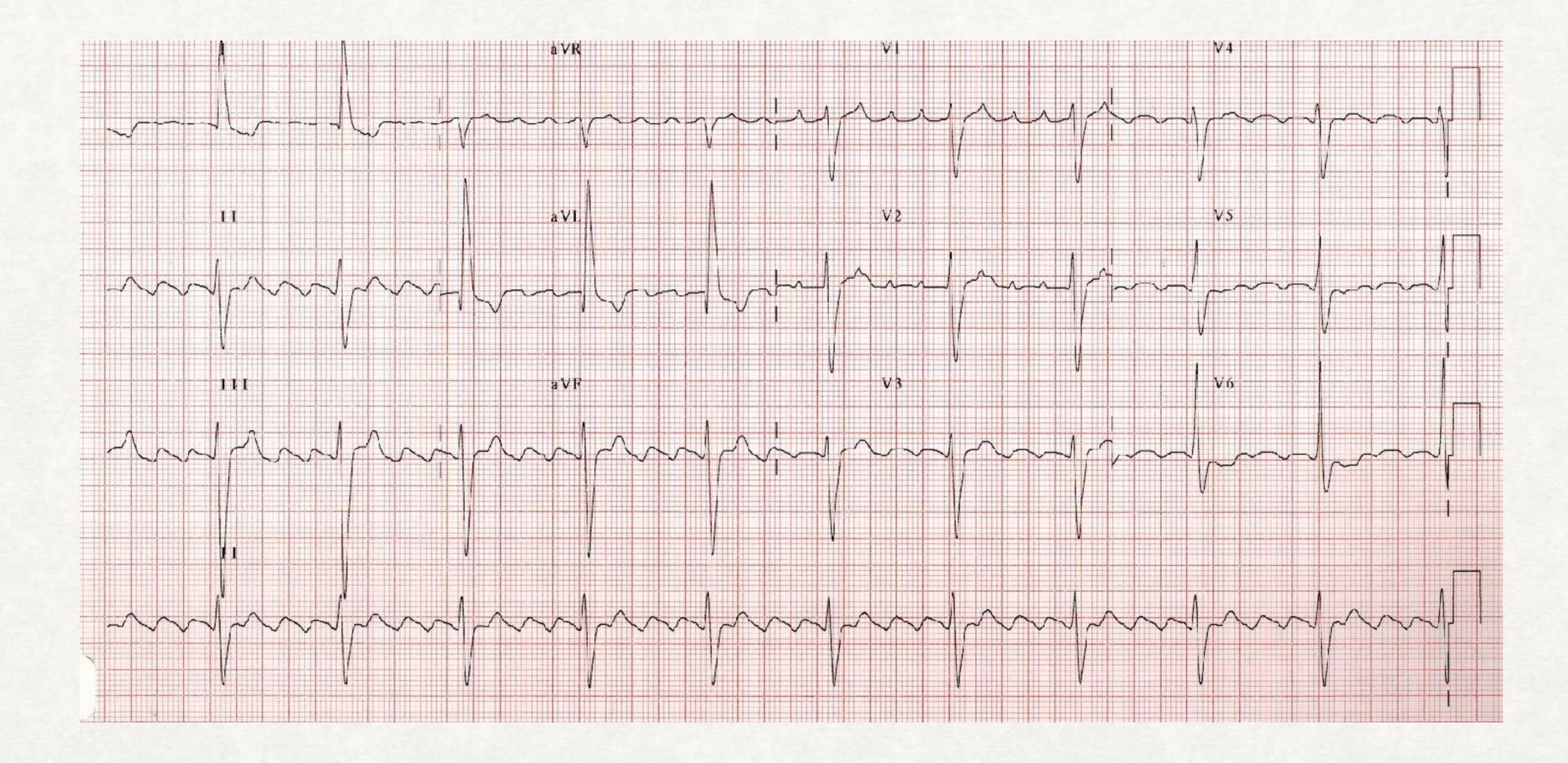
- Rate
- Rhythm
- Axis
  - Up in I, Up in II => normal axis
- Interval
- Waveform

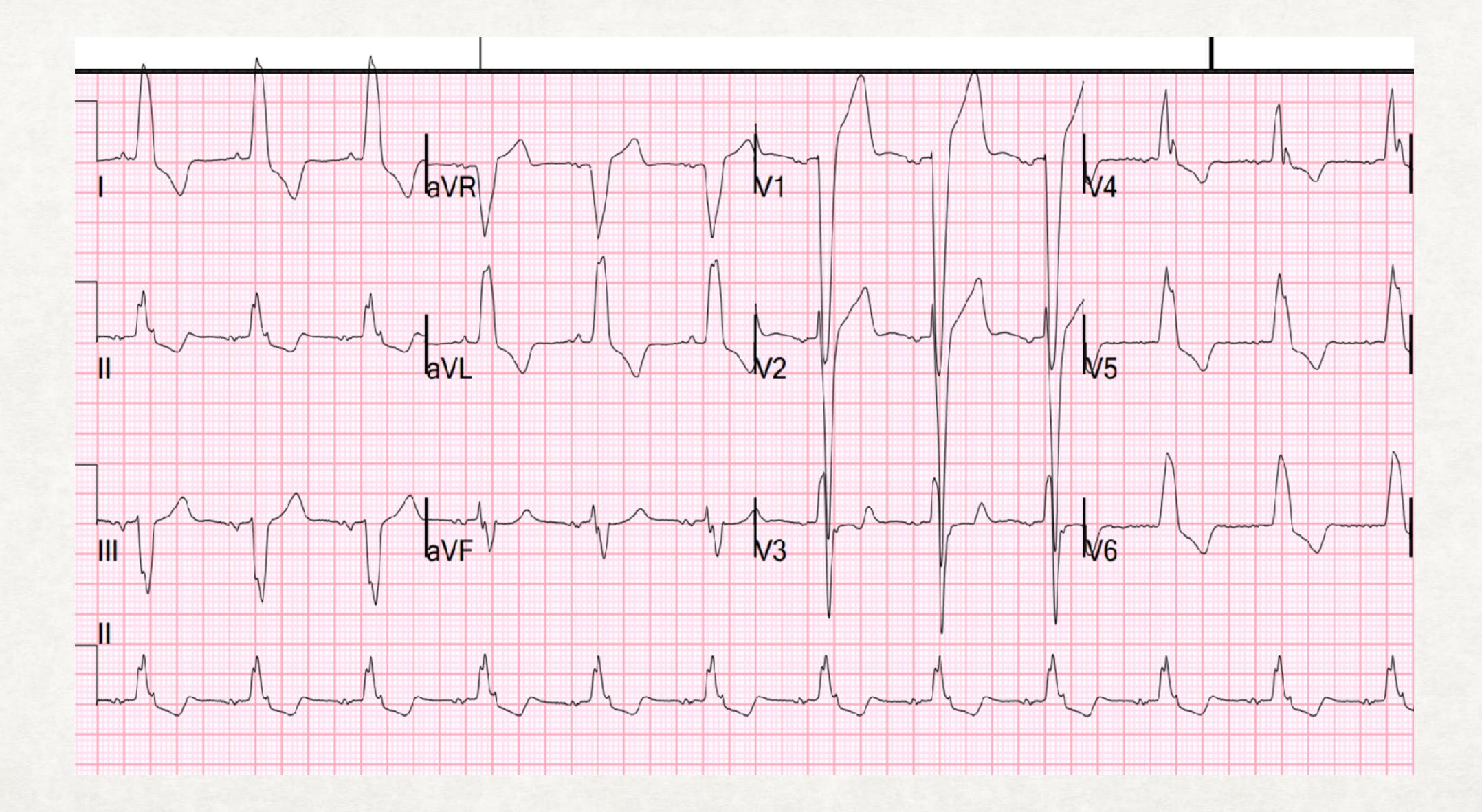
- Rate
- Rhythm
- Axis
- Interval
  - Big box = 200 msec. Little box = 40 msec
  - PR < 1
  - QRS < 3
  - QT < 1/2 RR. QTc < 450 males, 460 females</li>
- Waveform

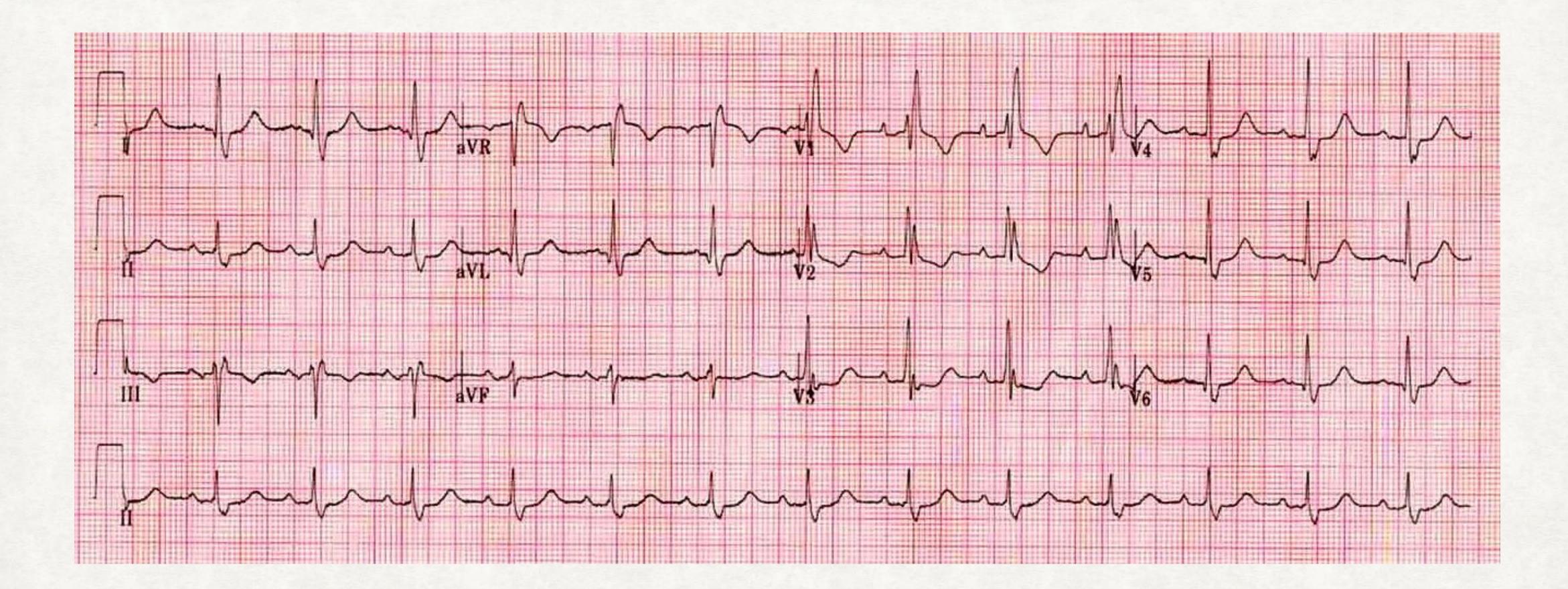
- Rate
- Rhythm
- Axis
- Interval
- Waveform
  - P waves, Q waves, R waves (LVH, precordial progression), ST segments and t waves

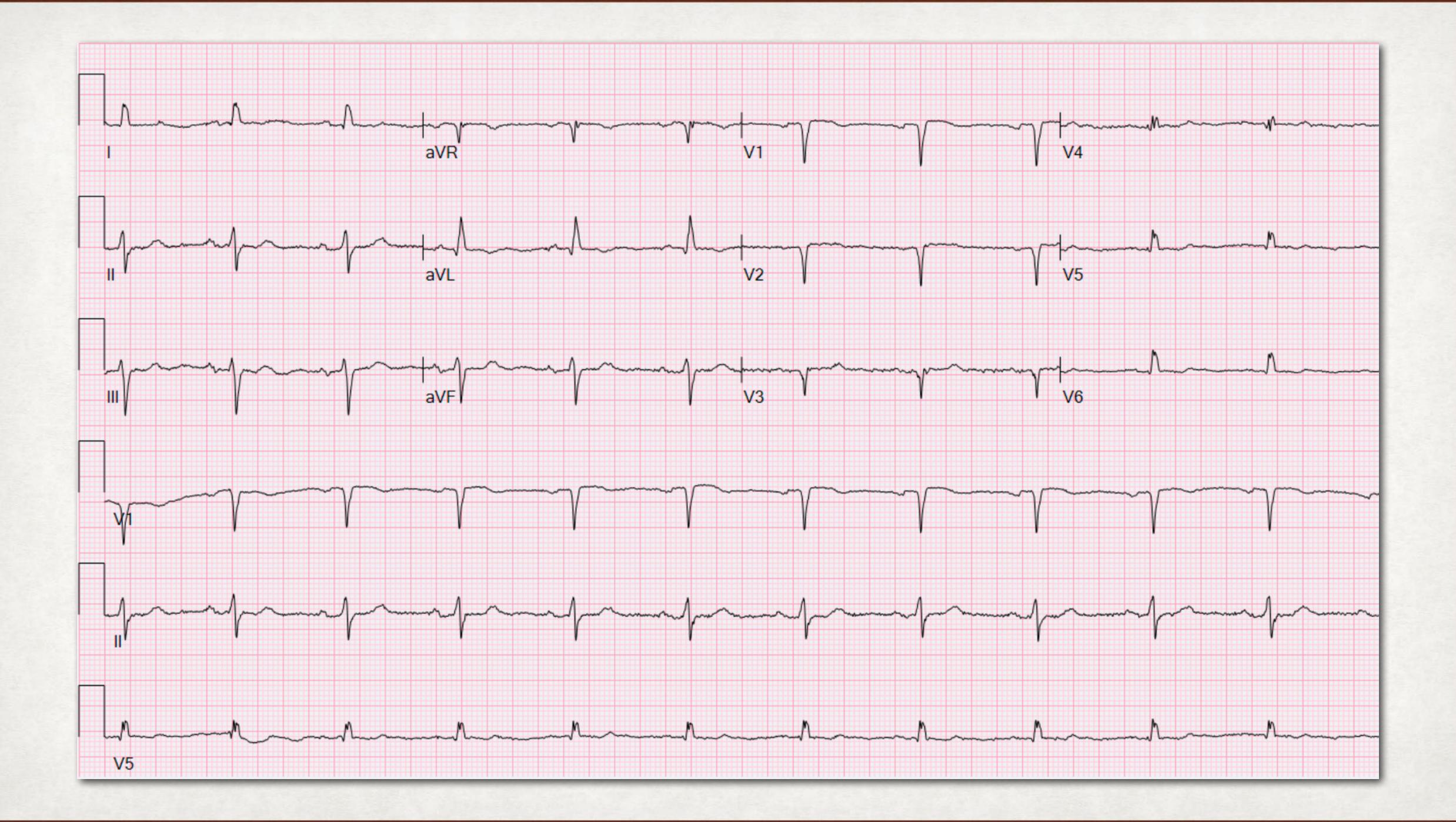


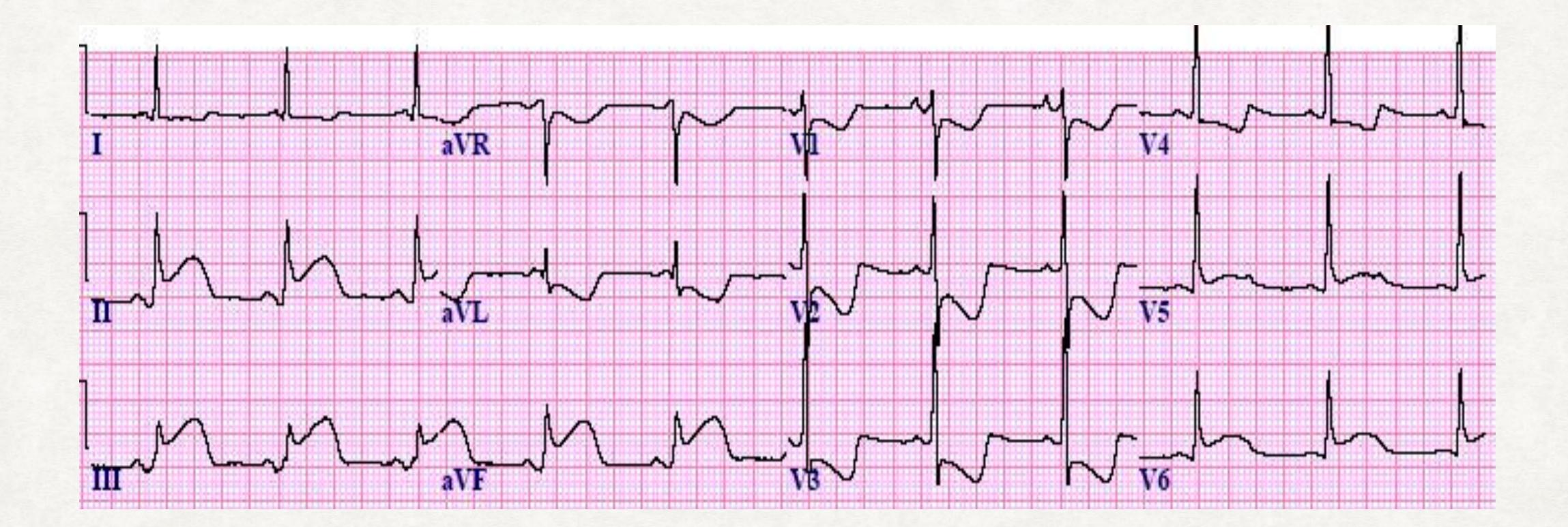
## EKG UNKNOWNS

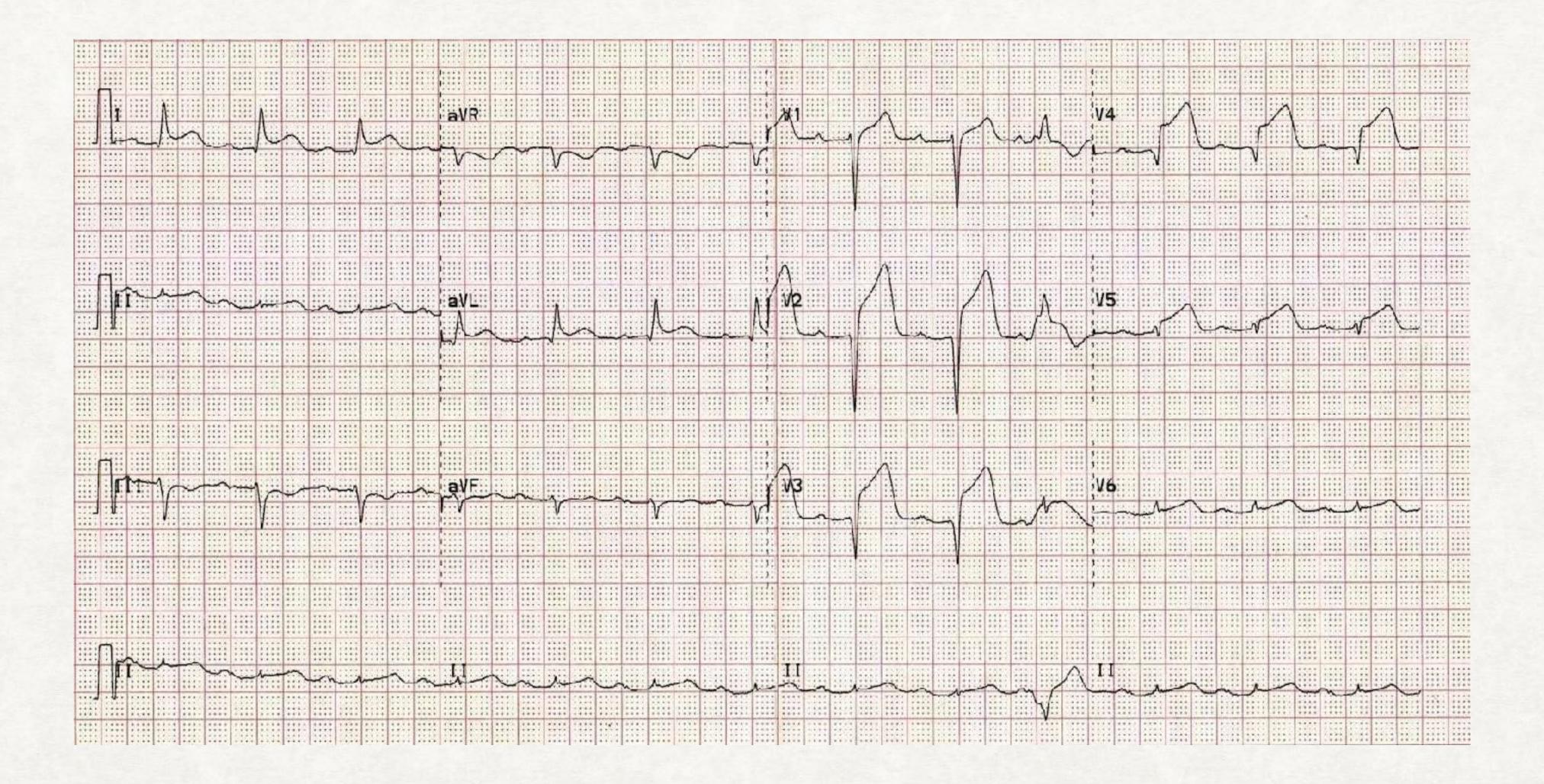


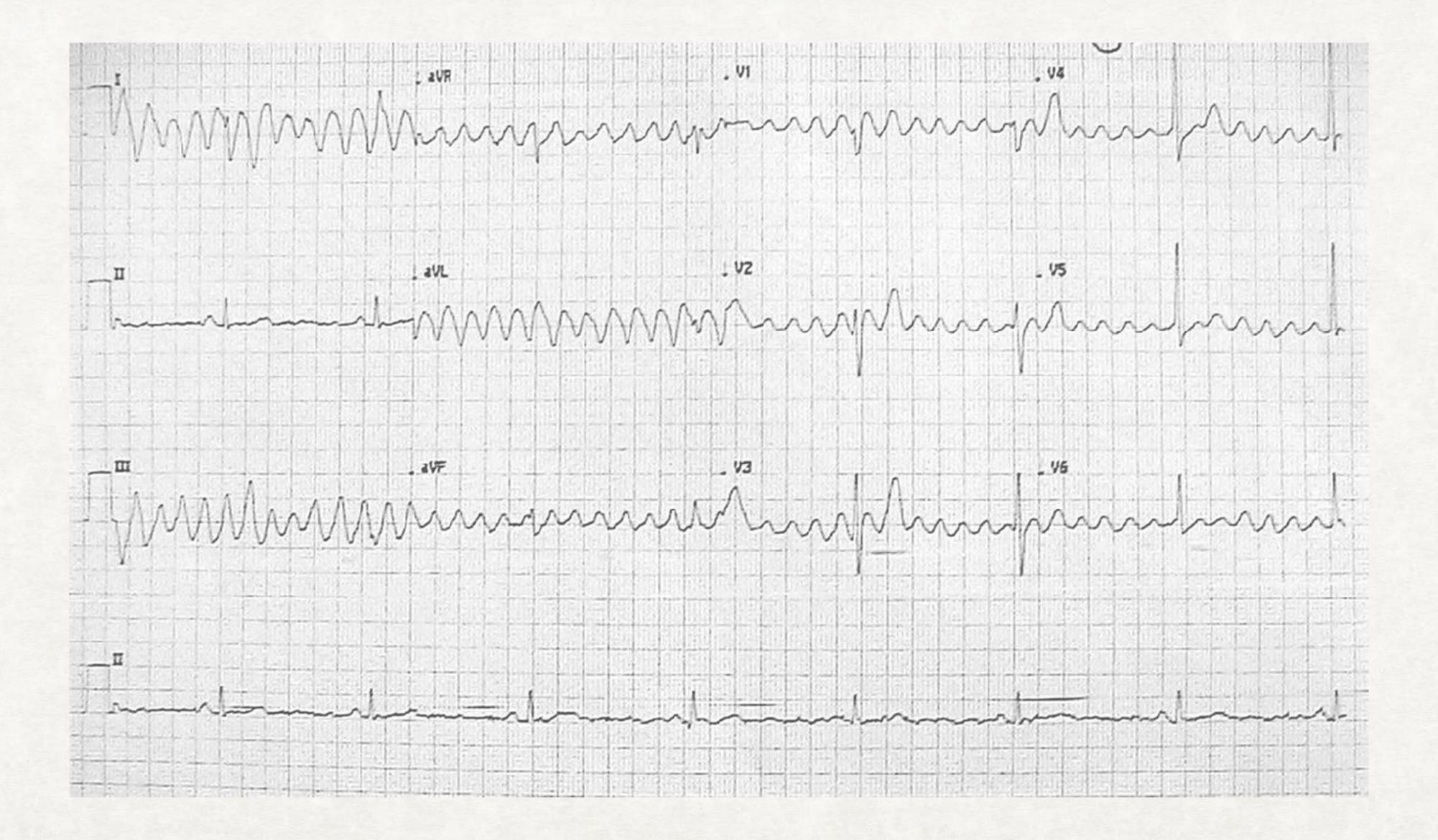


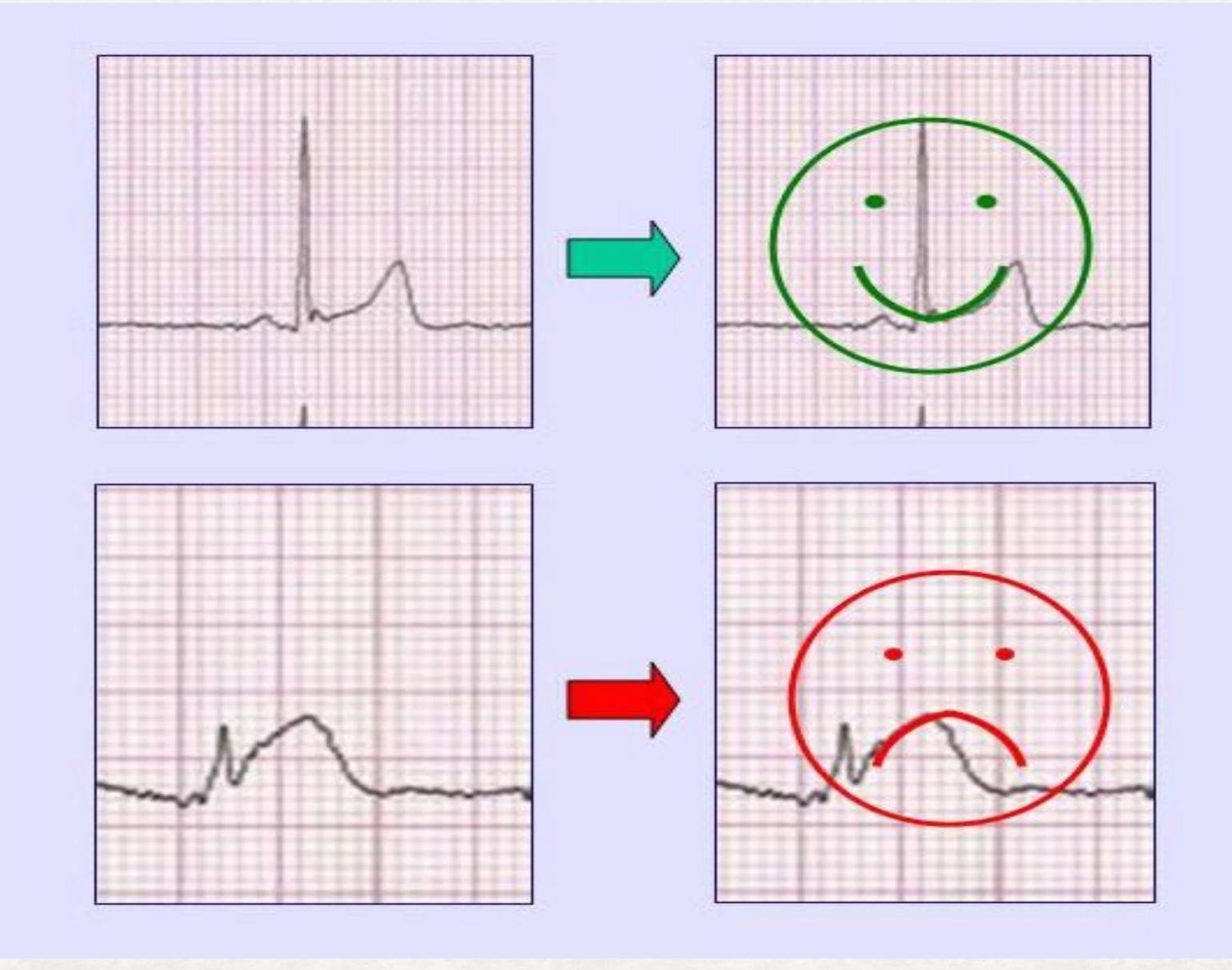


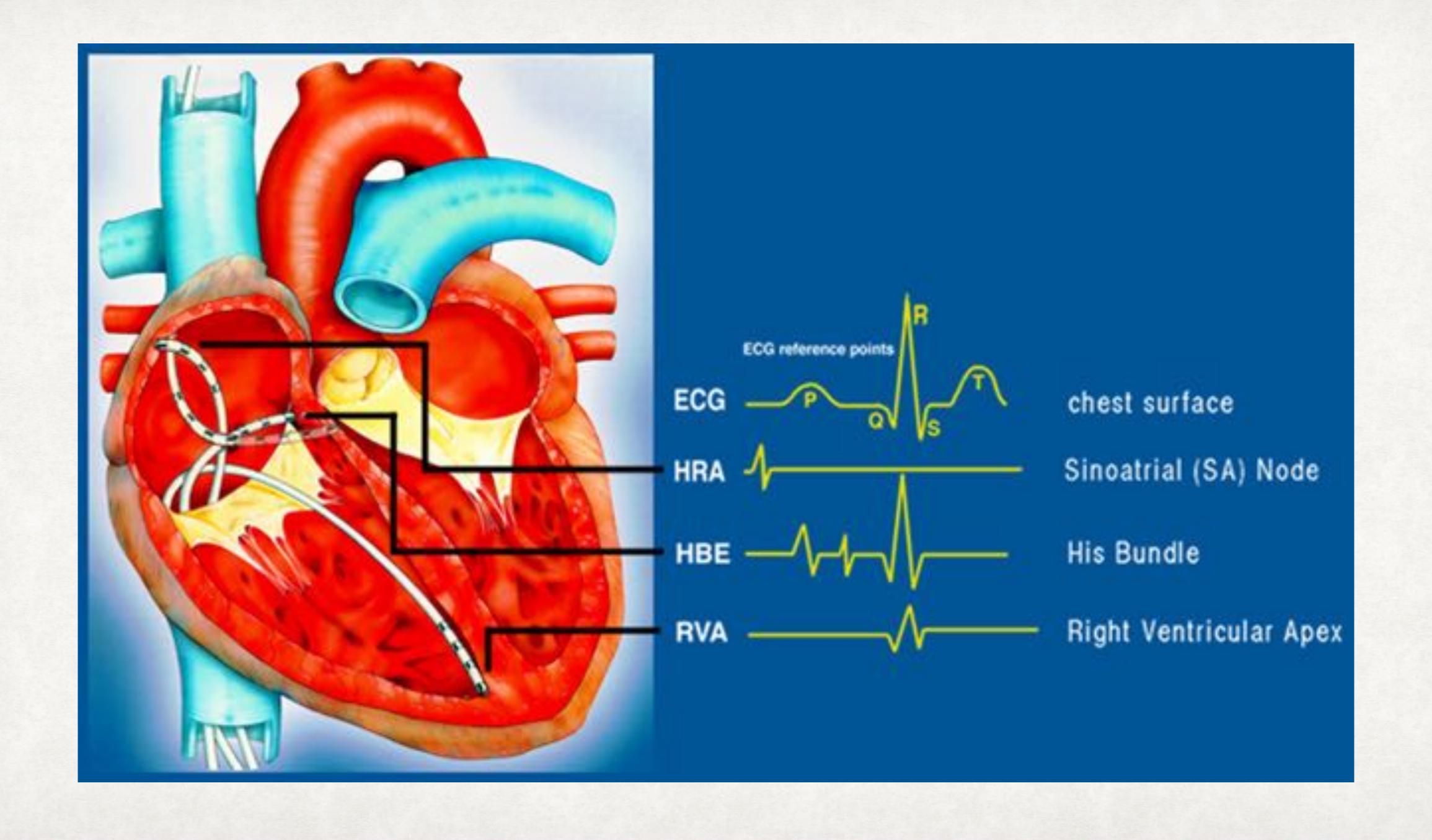


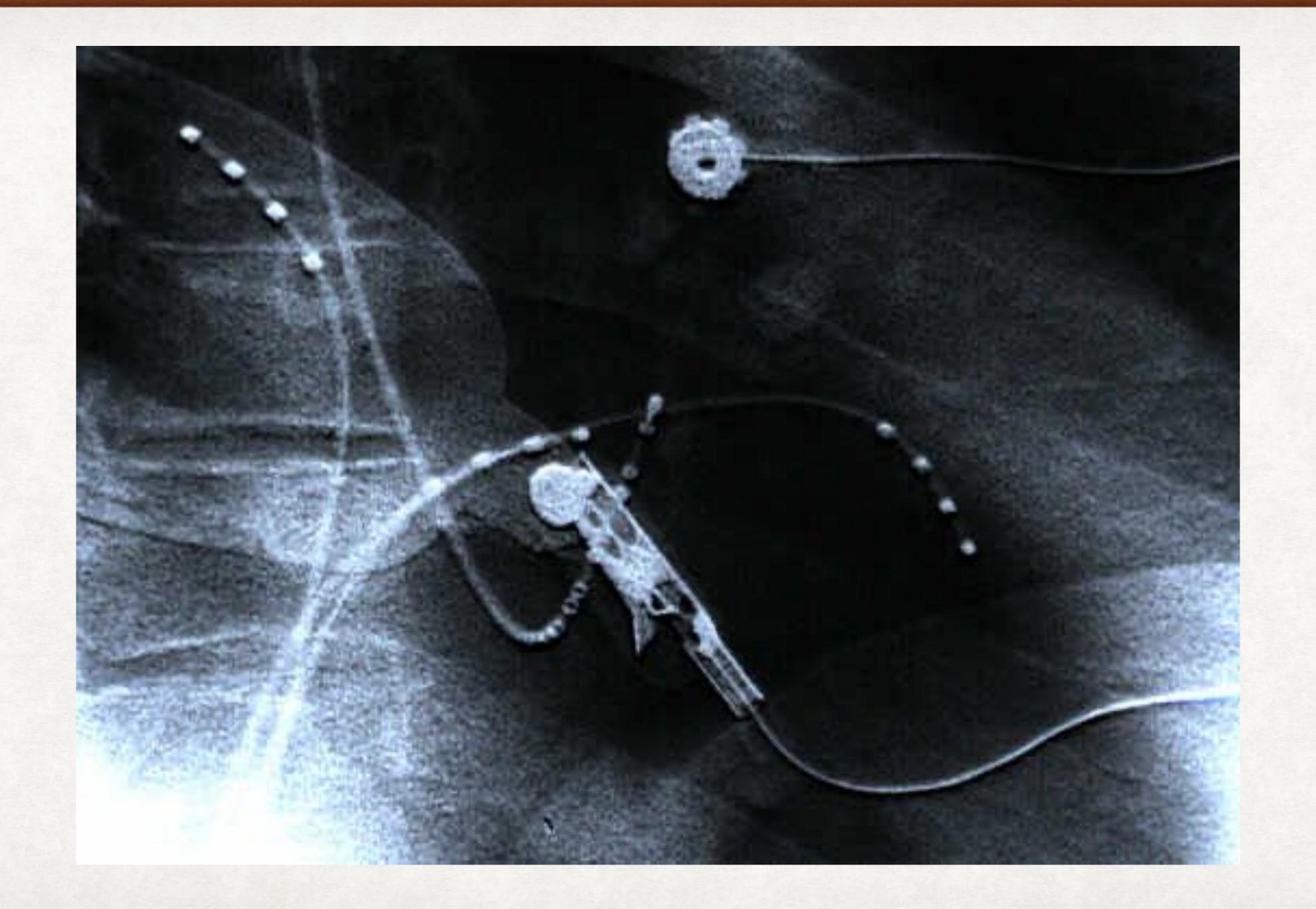


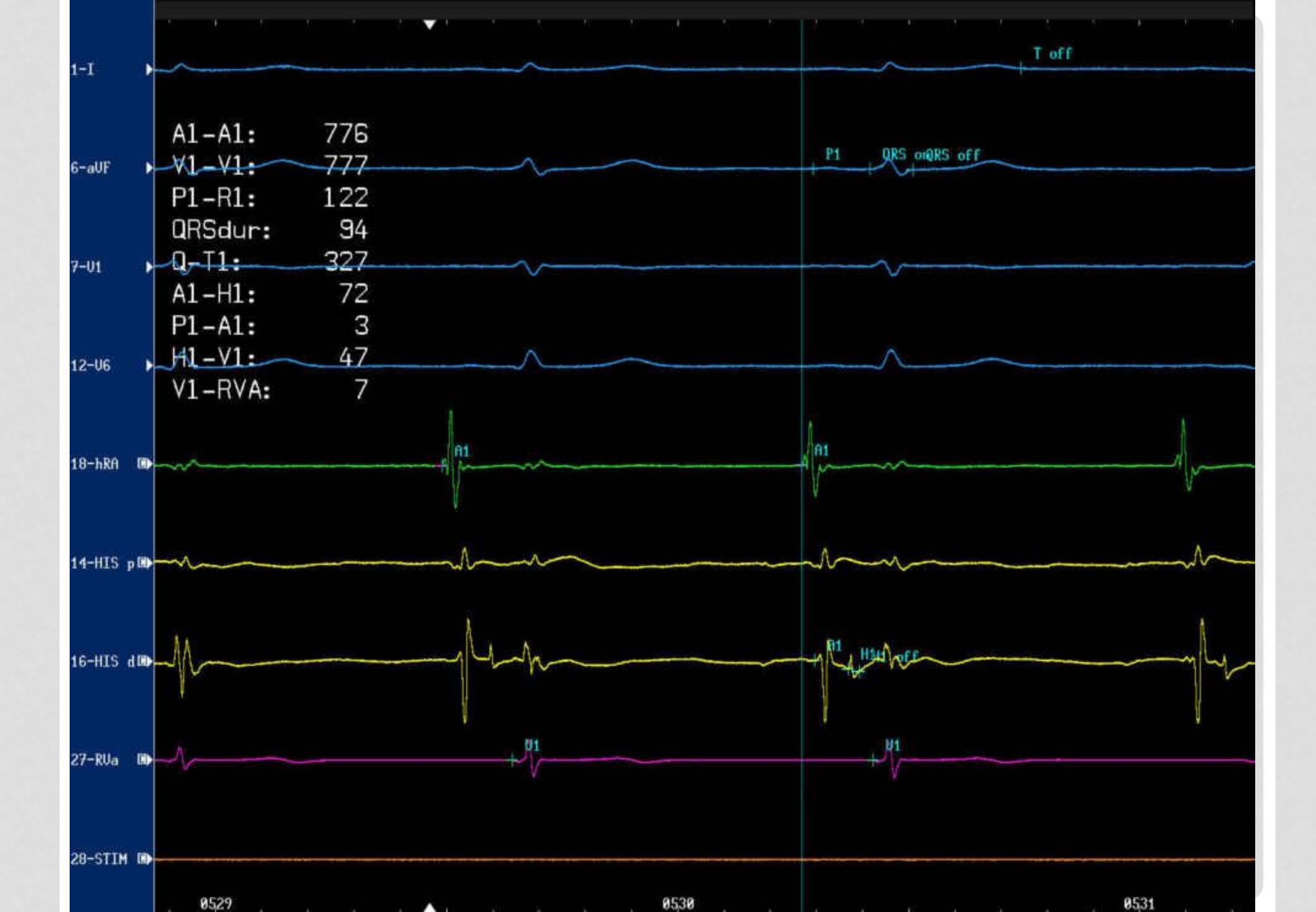


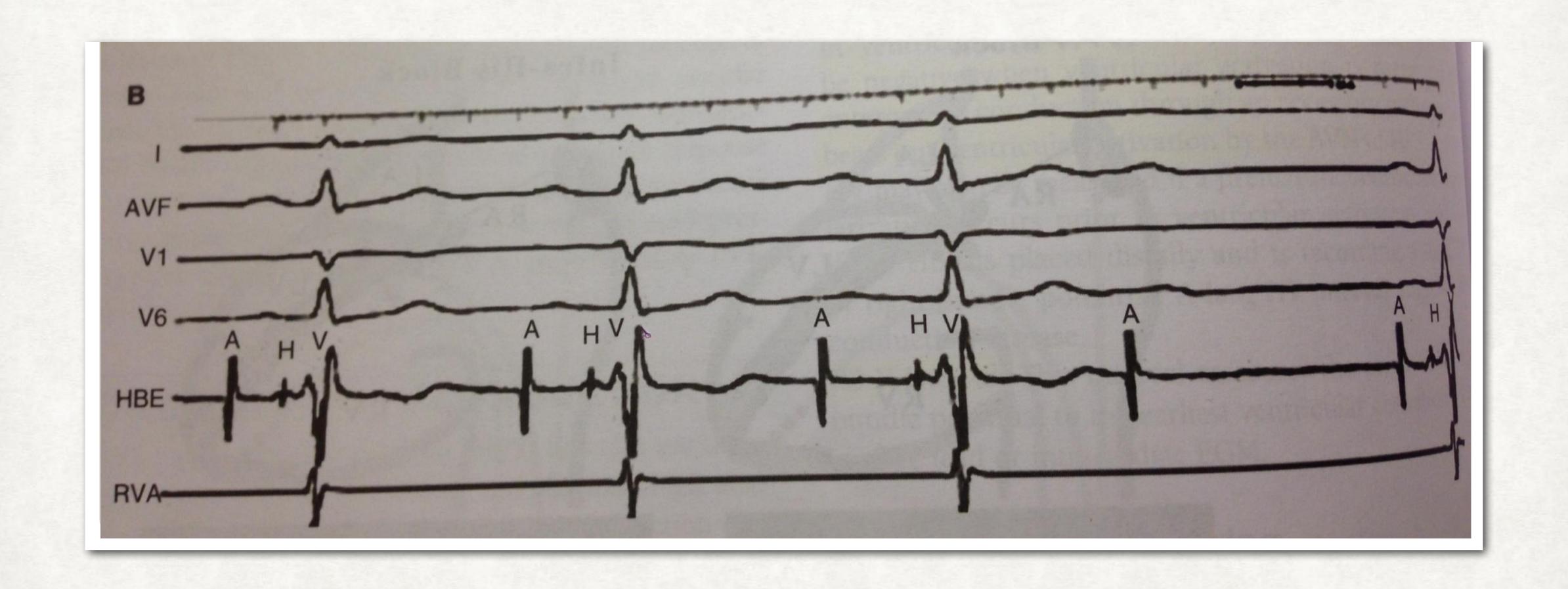


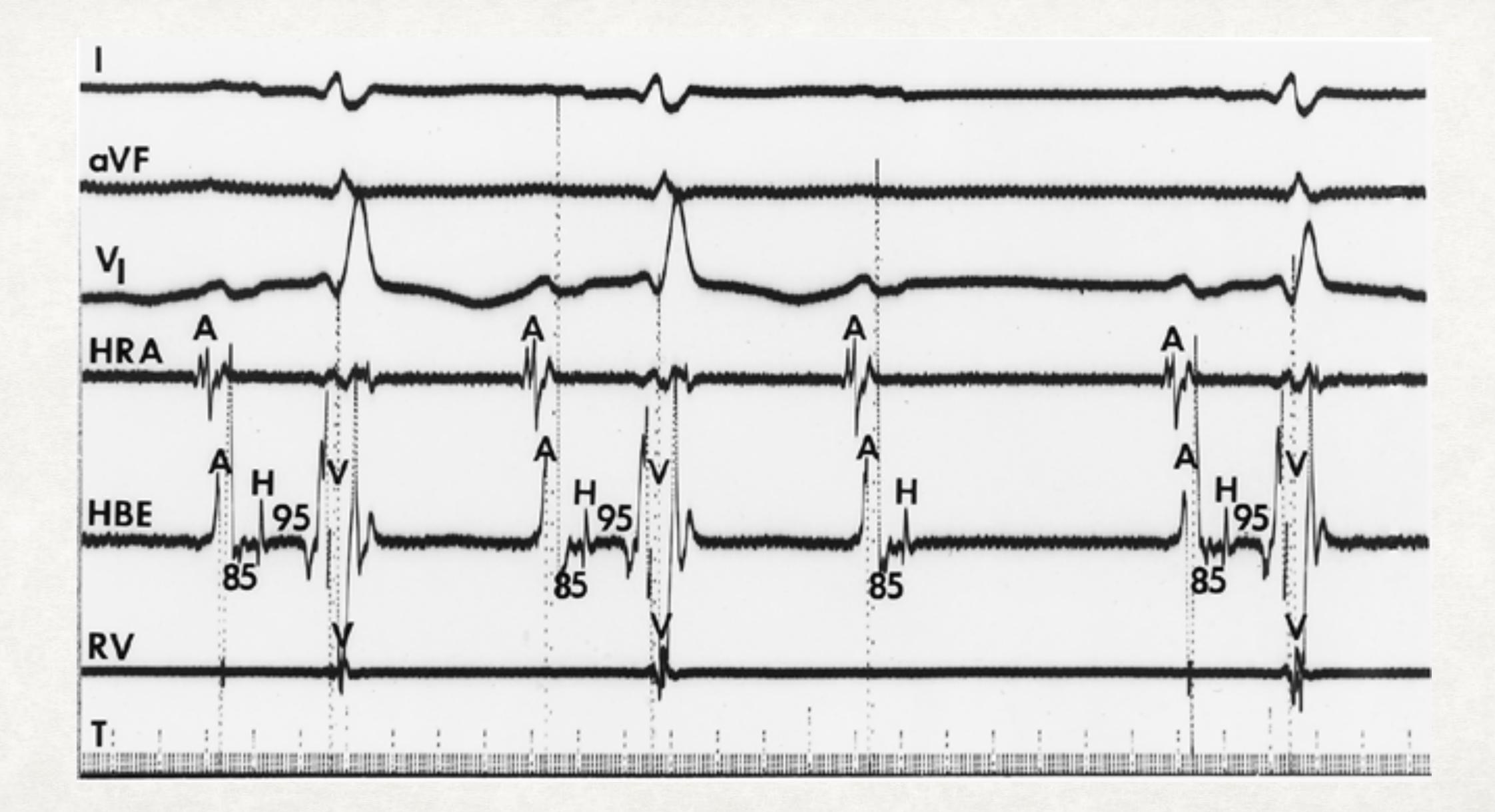


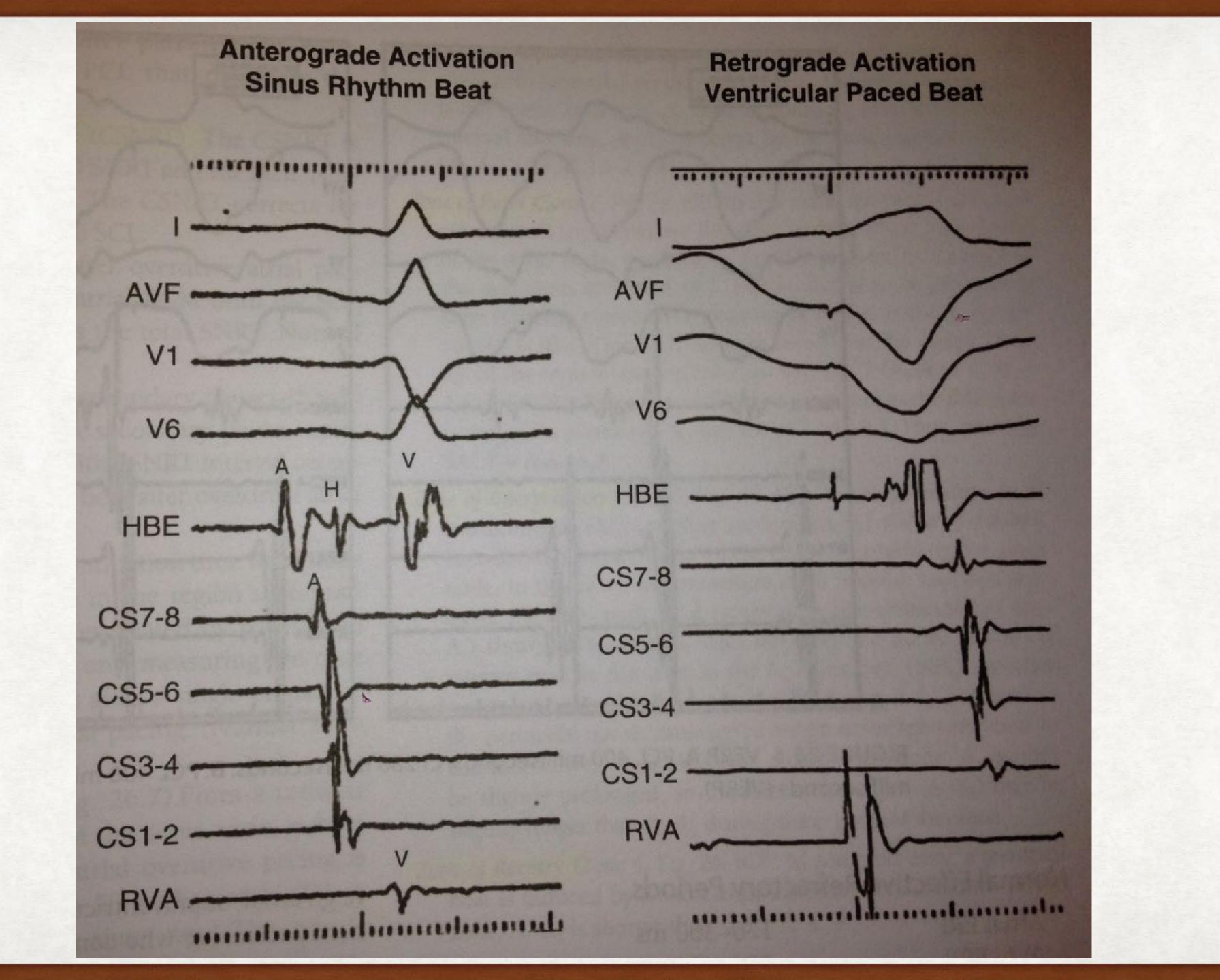


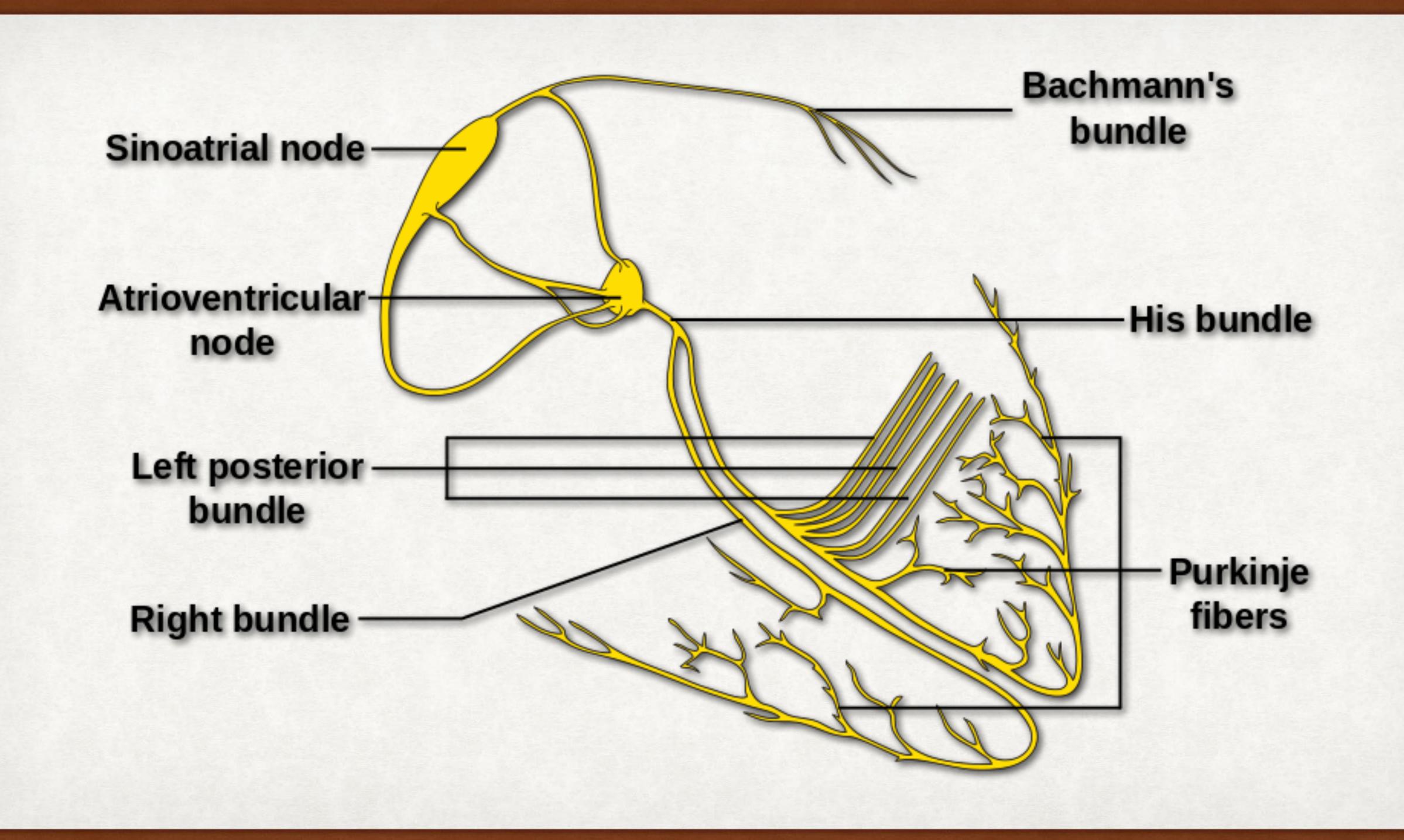


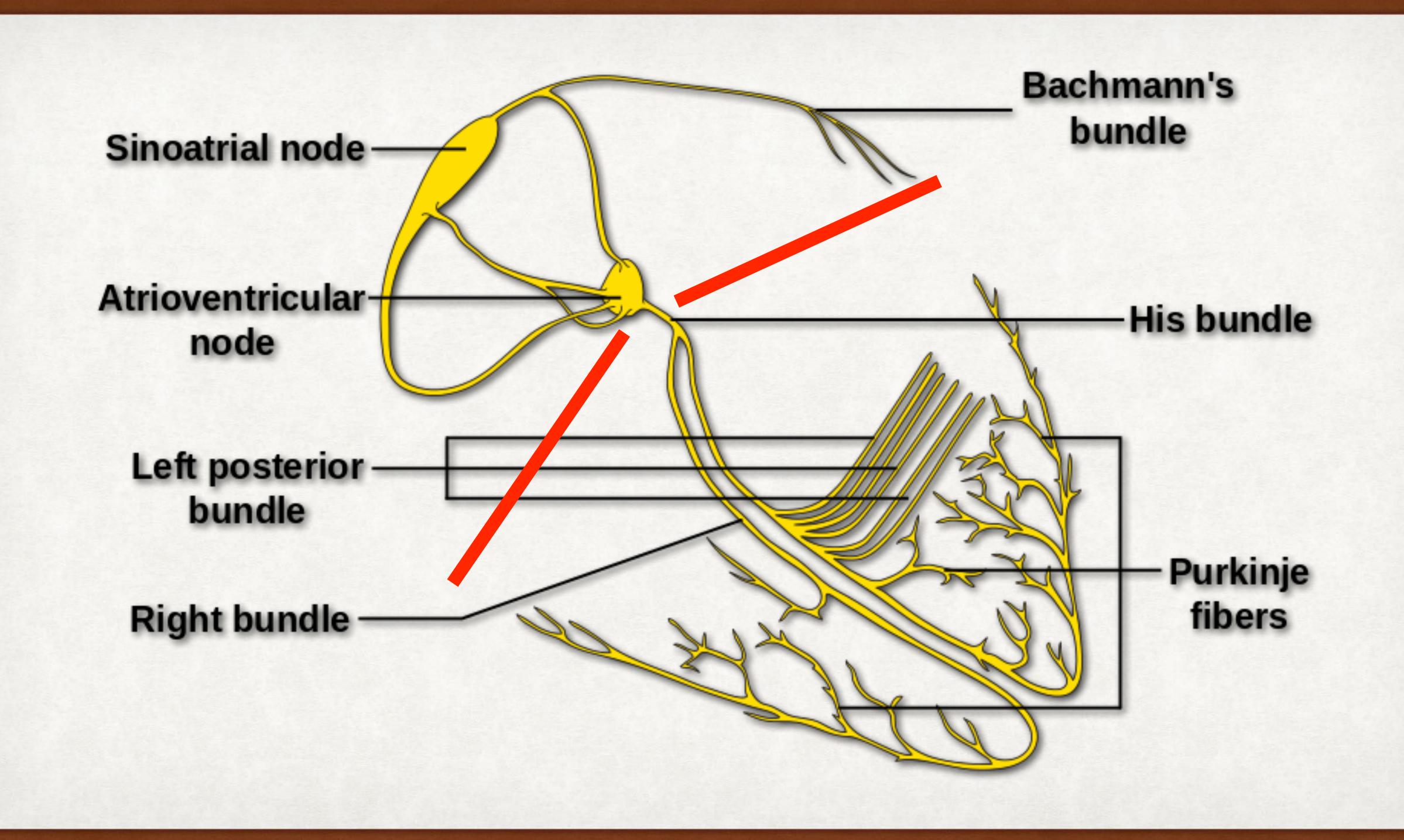


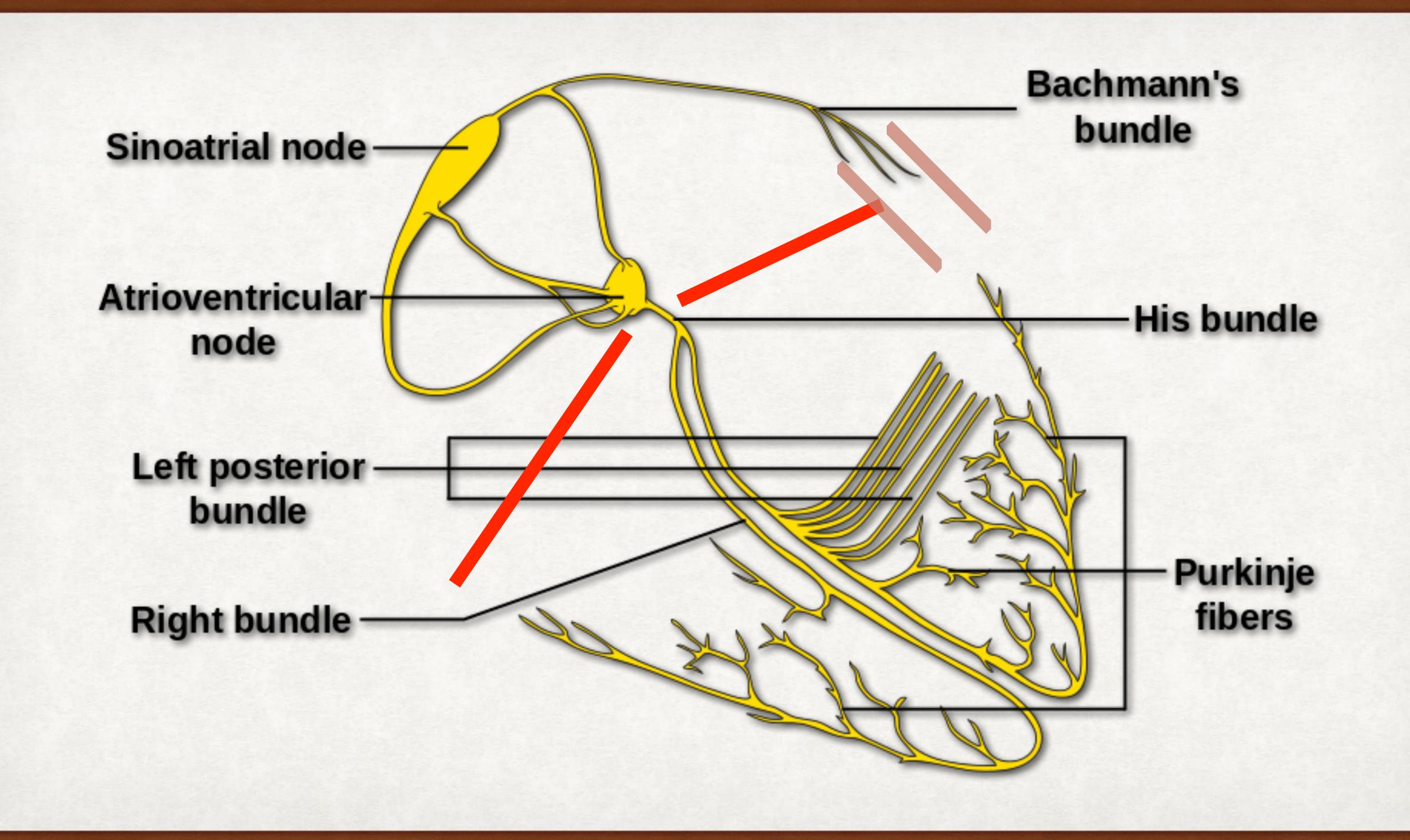


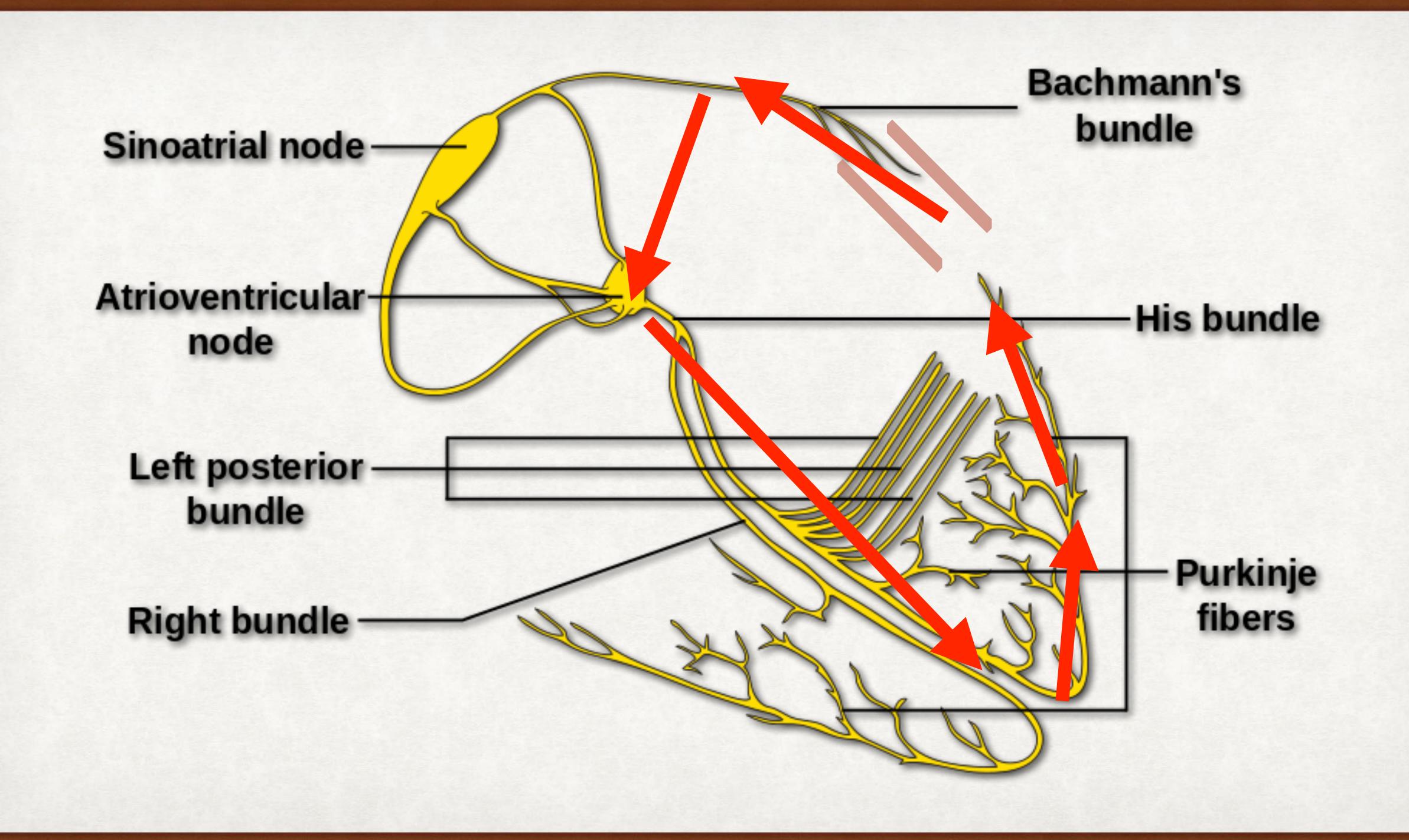


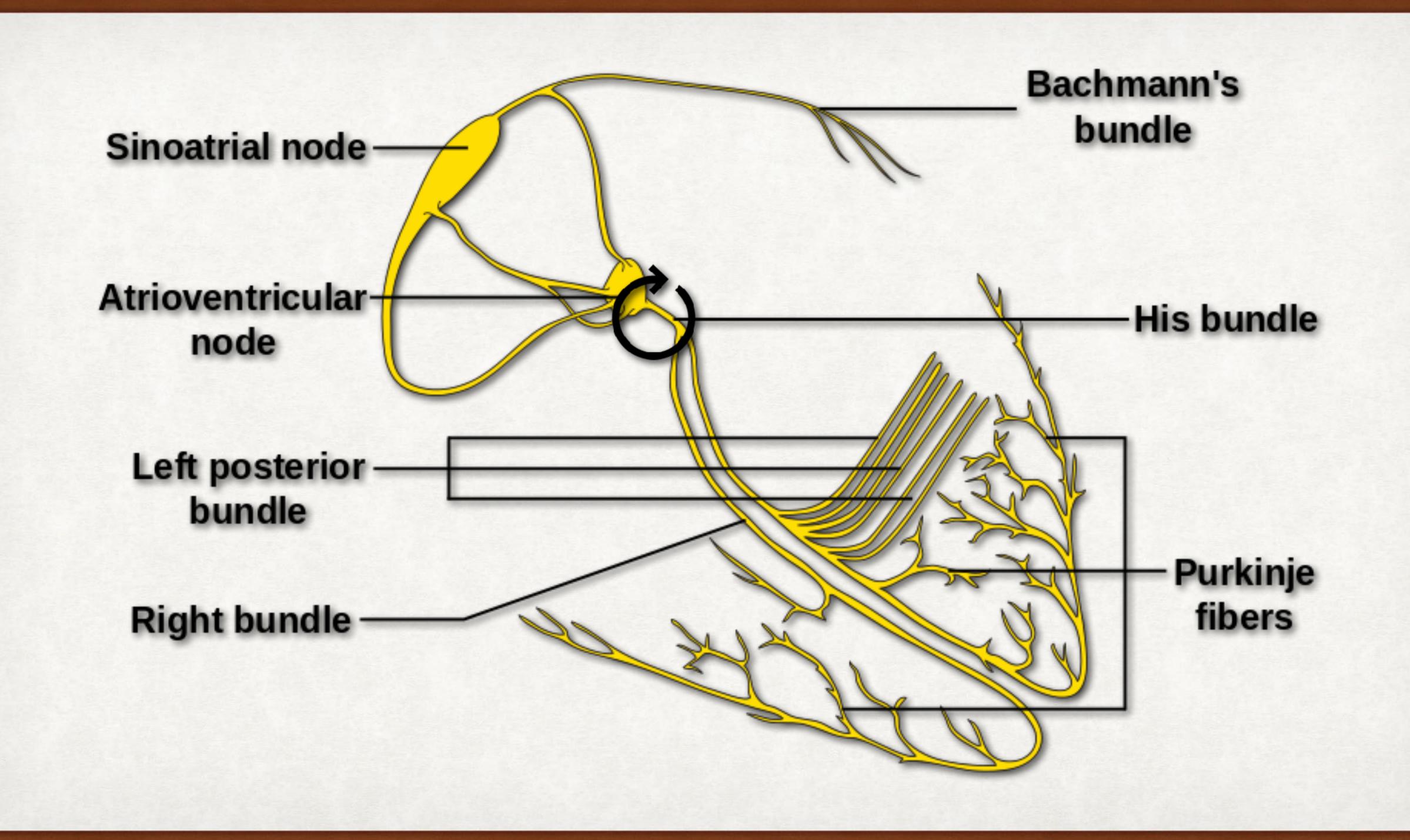


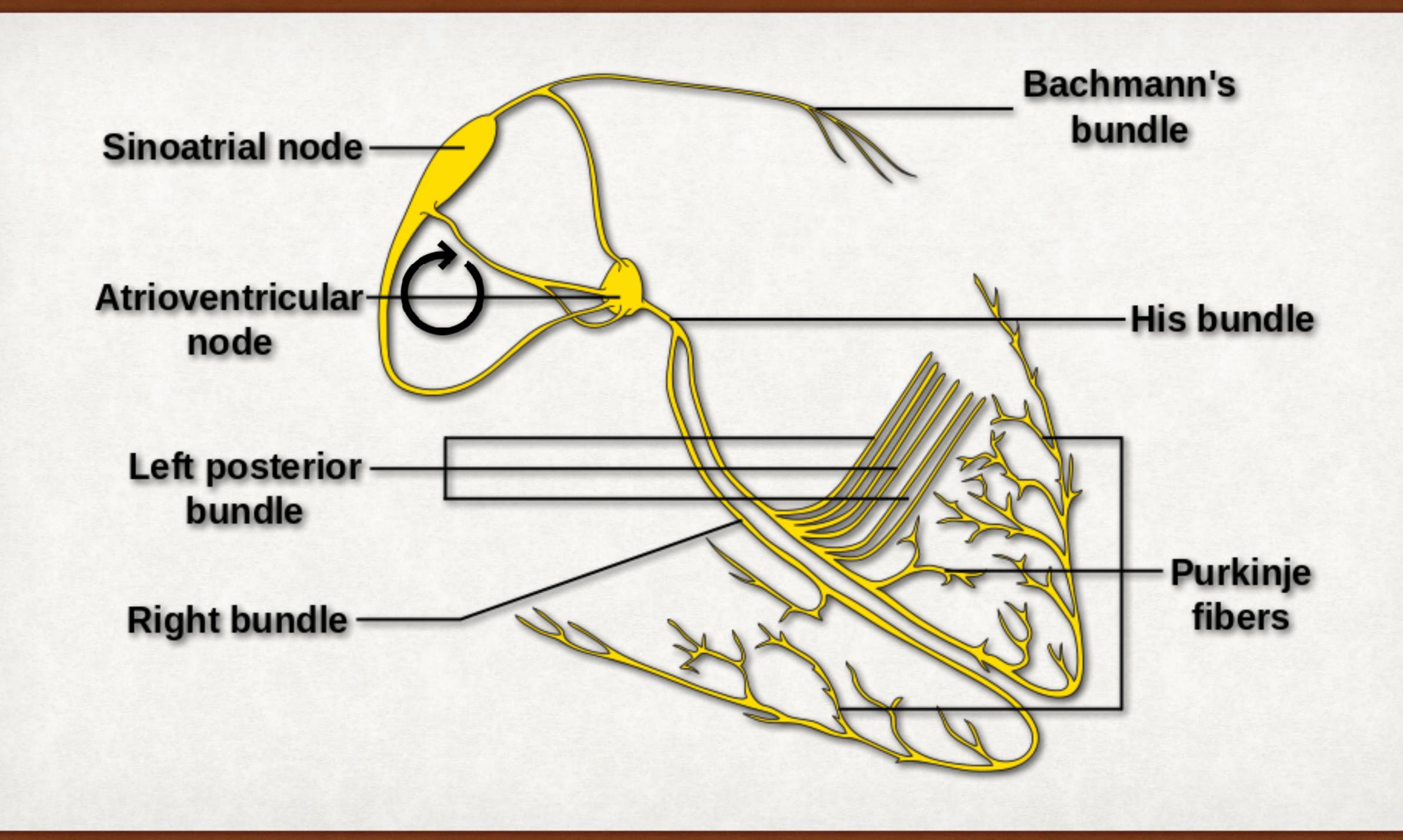


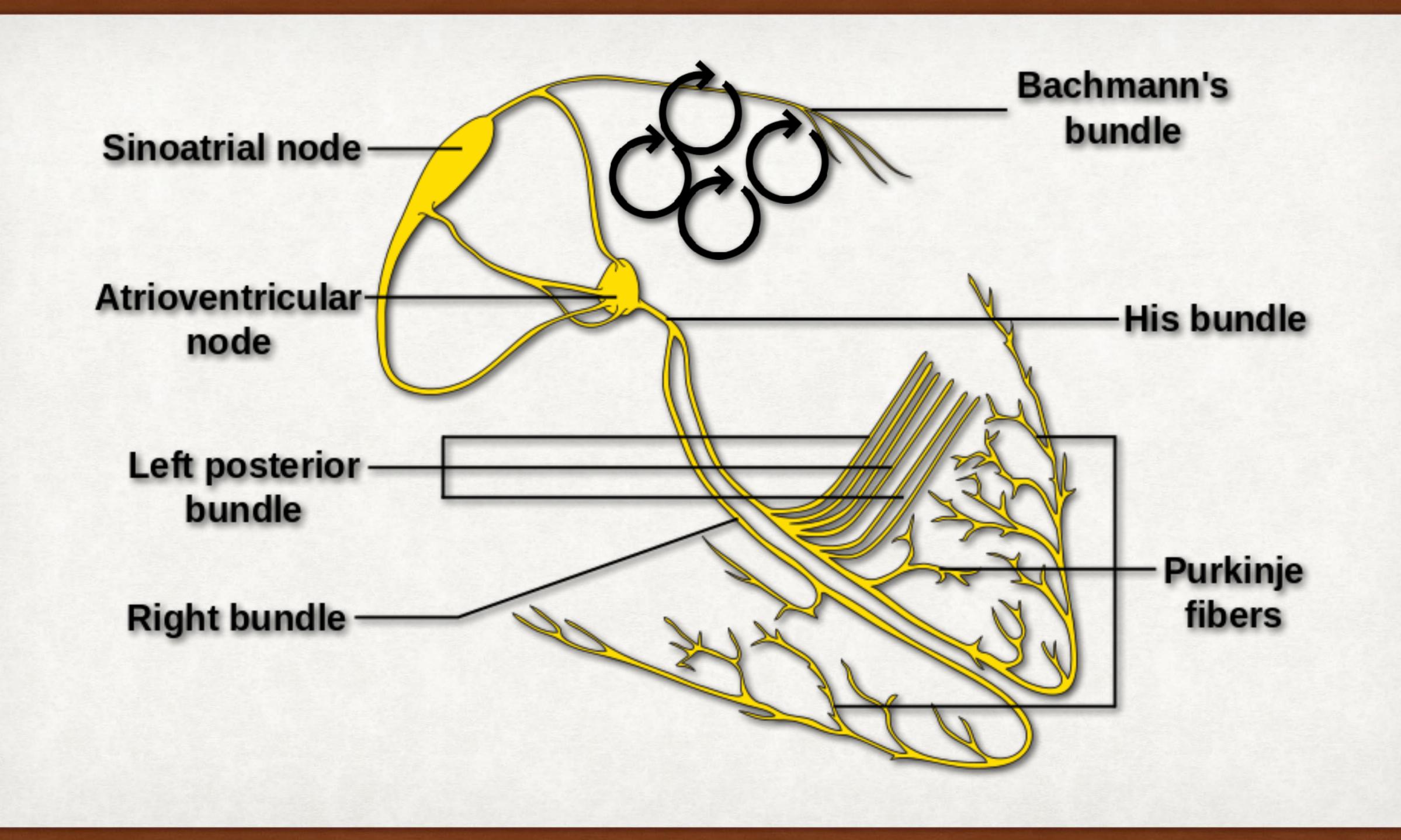


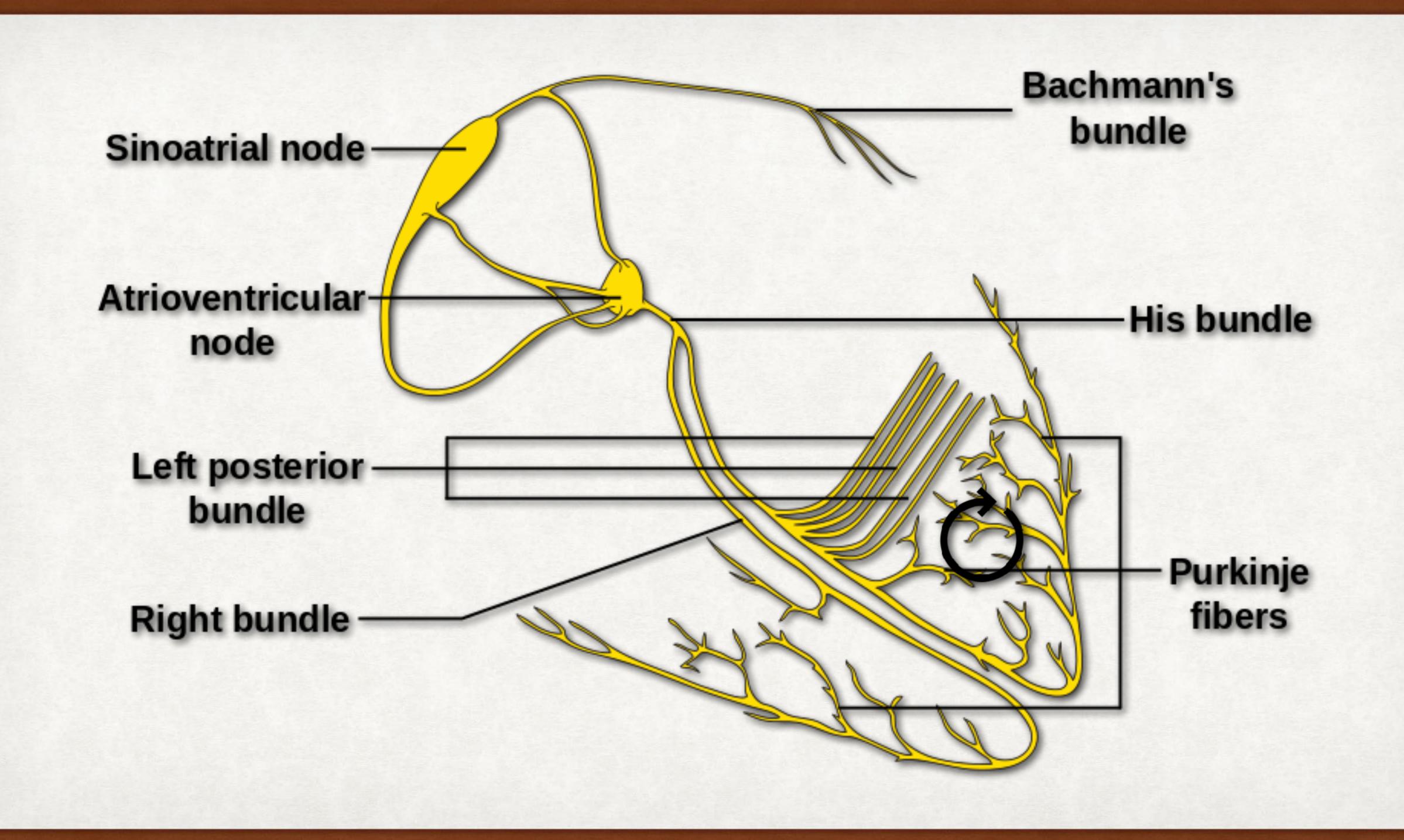


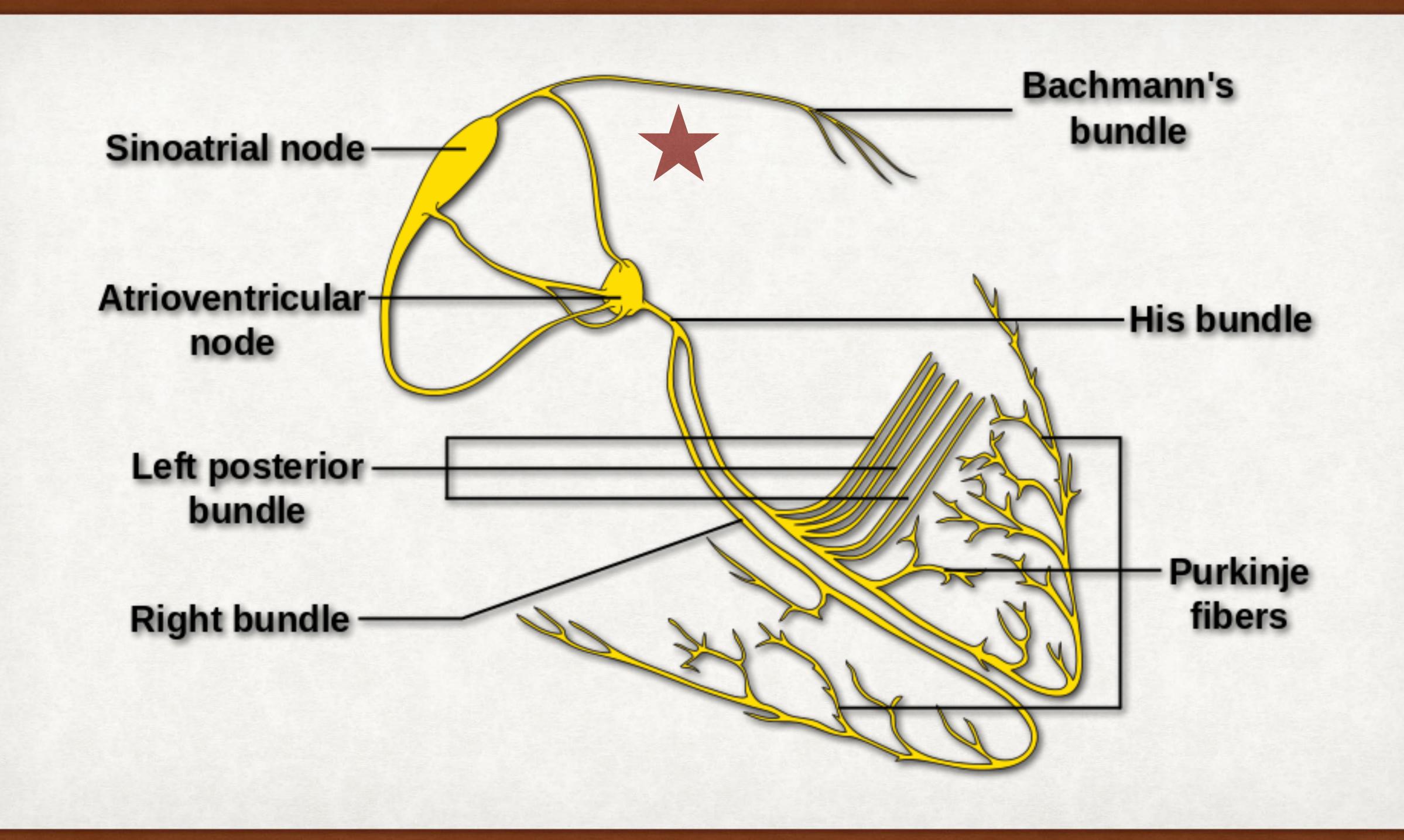


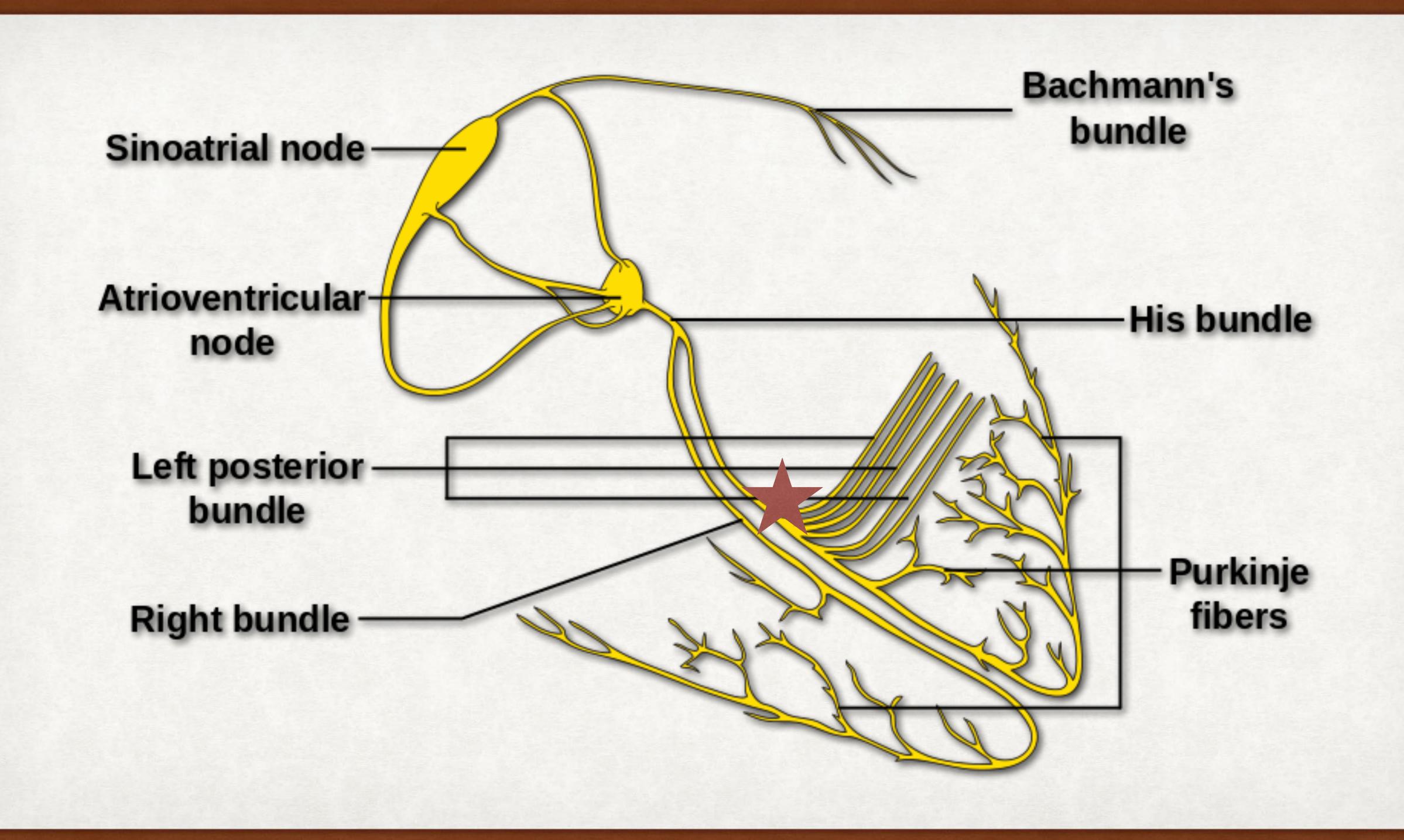












## EP STUDY

- Baseline measurements: baseline rhythm and rate, AH, HV, QT
- Premature extrastimuli: put in two quick stimuli after a drivetrain
- Incremental pacing: pace faster and faster
- Repeat steps 2 and 3 in the other chamber
- Trigger dysrhythmia, may need isoproterenol
- Ablate
- · Done.

## TERMS

- Cycle Length rather than heart rate: time (msec) from one QRS to the next one
  - 1000 msec = 60 BPM
- ERP: Effective Refractory Period: point at which the pacing device won't capture anymore
- Dual AV Node physiology: 1/2 the AV node remains excitable but conducts very slowly
- Reentry: short circuit

