Bundle Branch Block

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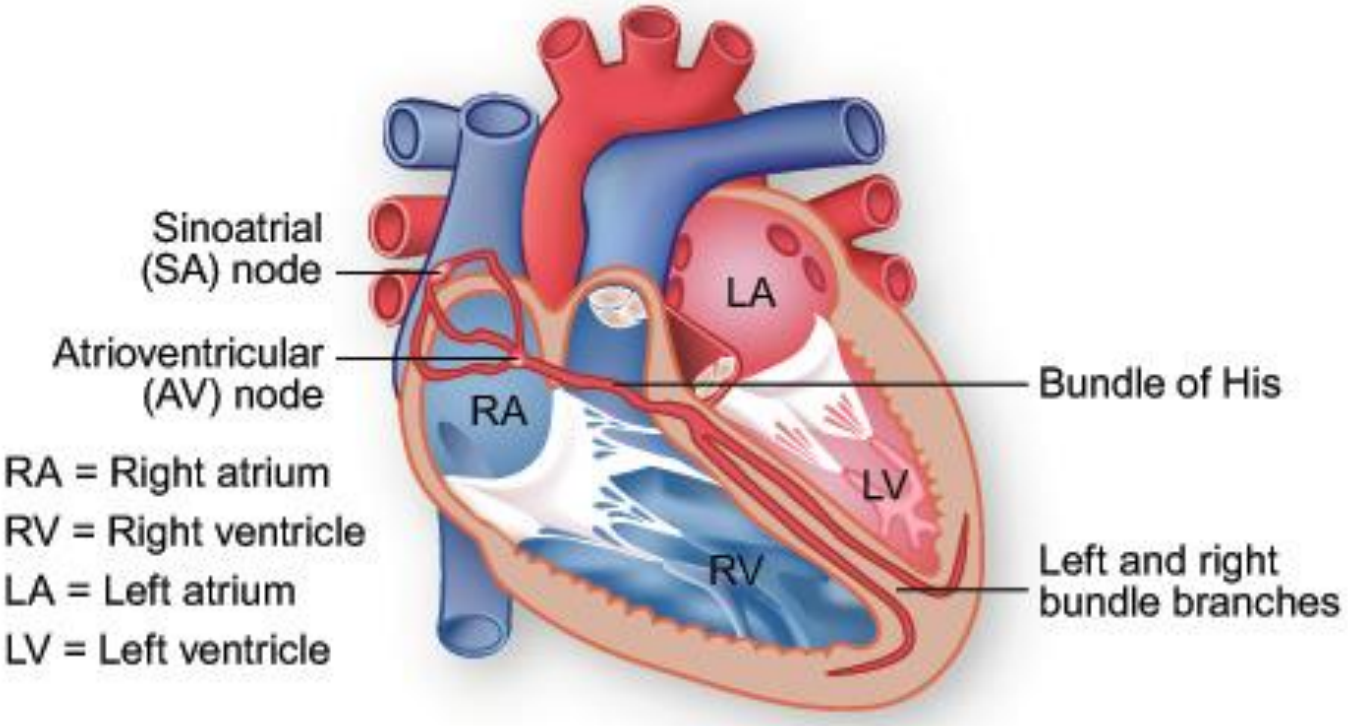
Sources:

•Dubin D. Rapid Interpretation of EKG's, 6th Edition, 2000
•Medscape E-medicine (emedicine.medscape.com)

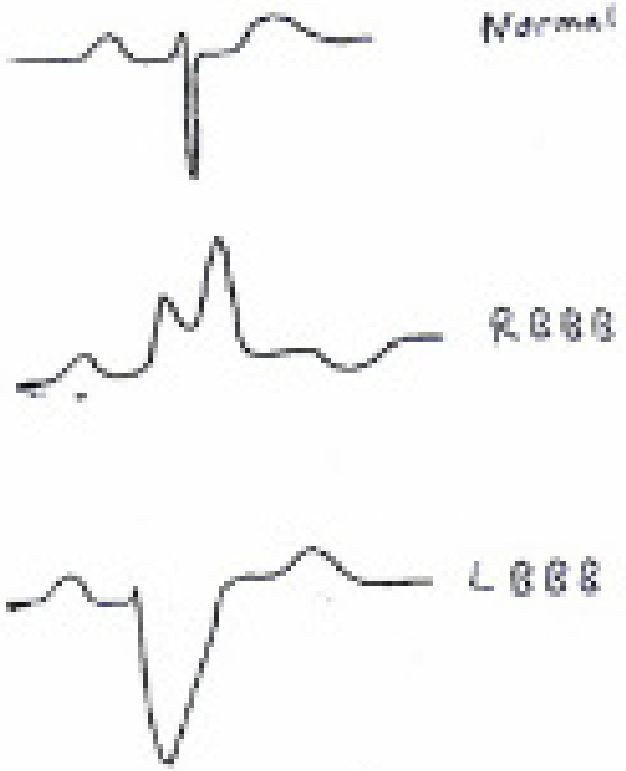
Complete Bundle Branch Block



- Bundle branches conduct signal from AV to the ventricles
- Normally both ventricles depolarize simultaneously
- A Bundle Branch Block (BBB) terminates rapid normal signal conduction at that side:
  - Results in slow cell-to-cell conduction at affected side
  - Causes the unblocked ventricle to depolarize earlier

Signs of BBB

- QRS complex of each ventricle become out of sync
- Results in widening of the QRS complex (120 ms or more)
- RBBB: LV R precedes RV R’ (Leads V1 or V2)
- LBBB: RV R precedes LV R’ (Leads V5 or V6)



Hemiblock of Left Bundle Branch

- Block in Anterior or Posterior division of LBB
- LAH: normal QRS duration, left axis deviation (-60)
- LPH: normal QRS duration, right axis deviation (+120)
- Typically occurs due to infarction