

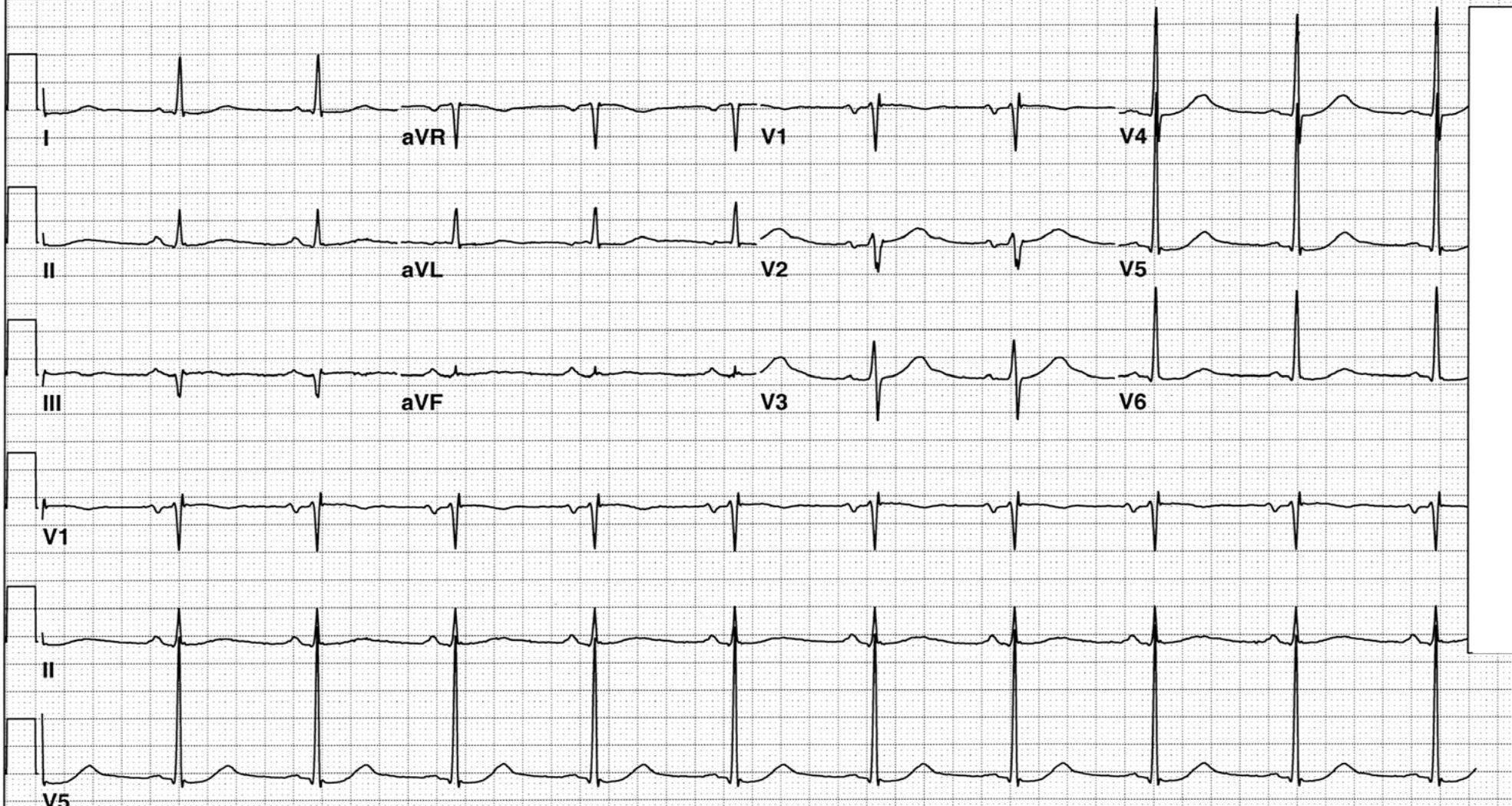
69 yr  
Male  
56in

Caucasian  
174lb

Vent. rate 61 BPM  
PR interval 170 ms  
QRS duration 100 ms  
QT/QTc 554/558 ms  
P-R-T axes 71 13 67

69 year old male with long history of paroxysmal atrial fibrillation and new recurrent syncope.

#25



25mm/s 10mm/mV 100Hz 005B 12SL

## EKG #25

NSR

Borderline Criteria for LVH

Incomplete RBBB

Prolonged QT (Sotalol)

### Prolonged QT

“HYPO-Syndrome” Low Ca, Low K, Low Thyroid, Low Temp

1. Coronary Disease (most common)
2. Cardiac Drugs: Quinidine, Procainamide, Sotalol, Amiodarone...
3. Haldol, Lithium, Organophosphates
4. Selane + E Mycin (P-450)
5. AV Block, Hypothyroid, Hypothermia
6. Hypocalcemia
7. Hypokalemia (Pseudo actually T-U Fusion)
8. CNS Strokes, hemorrhage
9. Inherited: Jervell-Lange-Nielson (Deaf)  
Romano-Ward

$$QTc = \frac{QT}{\sqrt{R-R}} \text{ (sec)}$$

When  
HR = 60 bpm  
QT = QTc