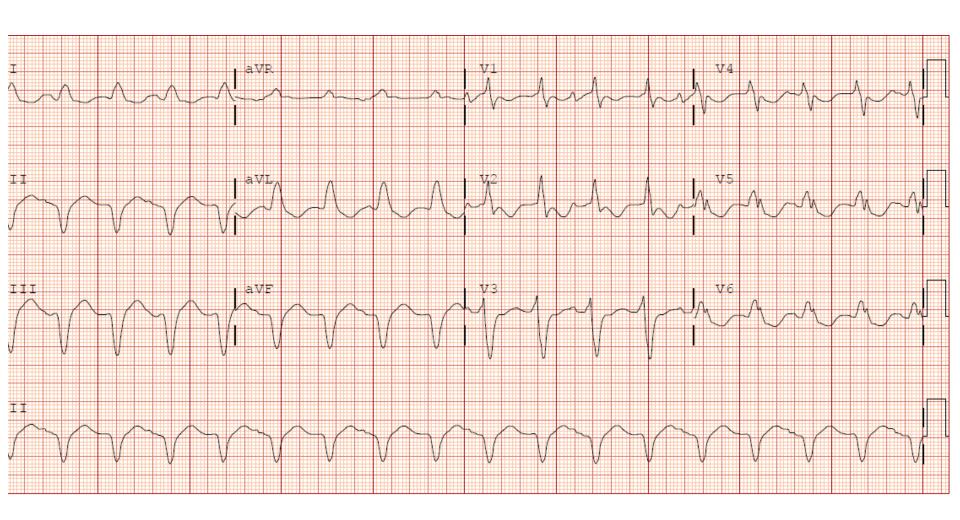
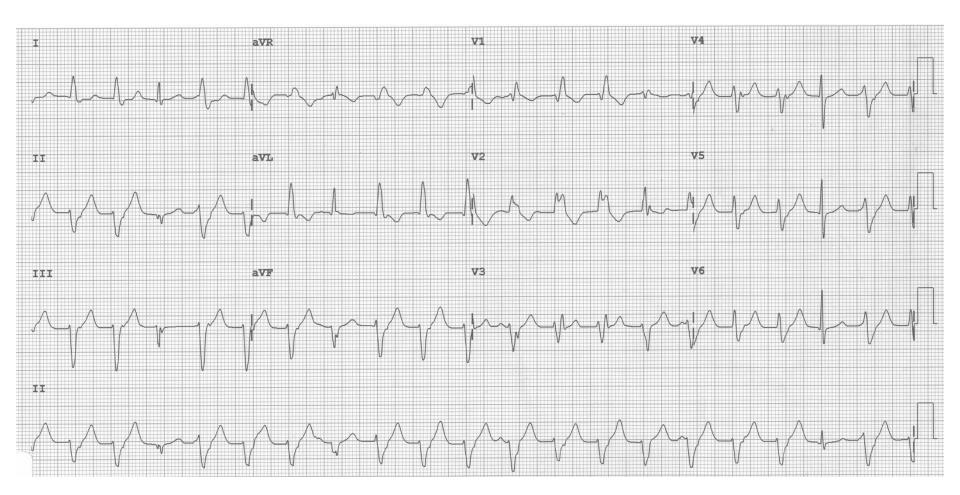
# ECG Interpretation: Advanced--Stump the Chump??

William M. Miles, MD, FACC, FHRS
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Silverstein Chair for Cardiovascular Education
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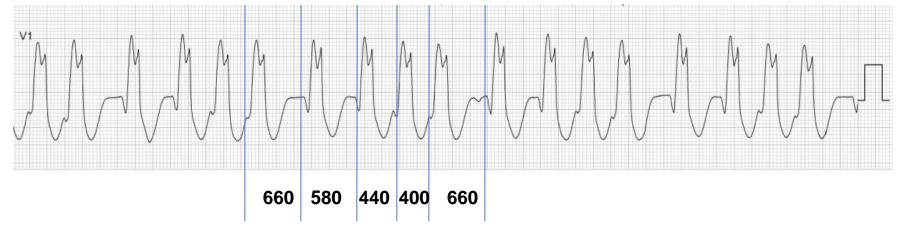






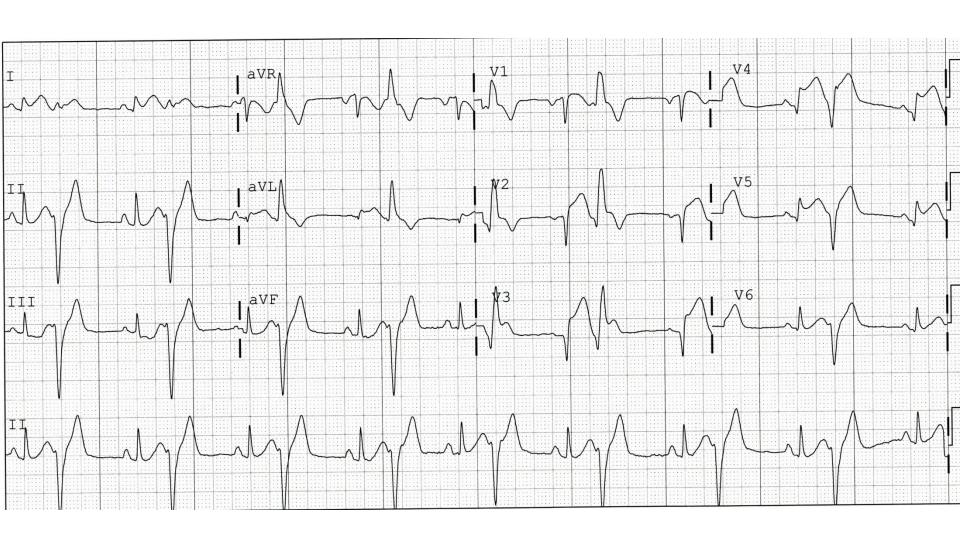
68 y.o. male with ischemic cardiomyopathy, presents with SOB and dizziness

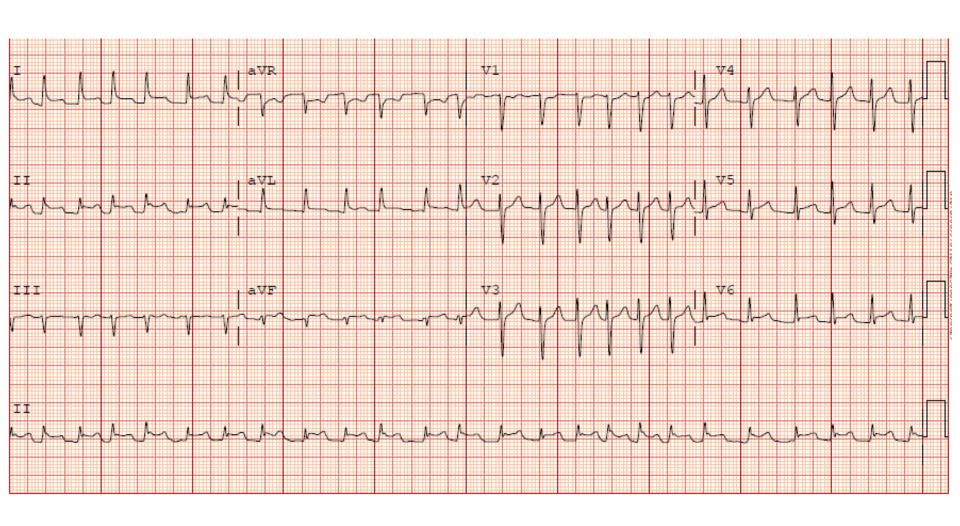


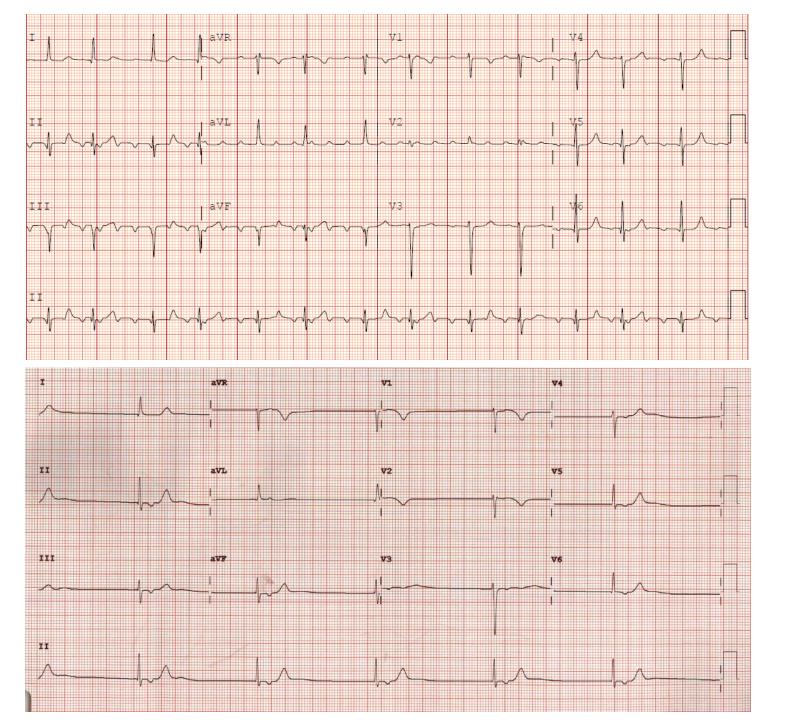


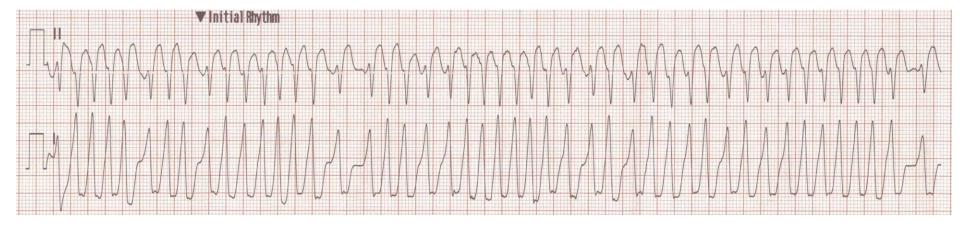


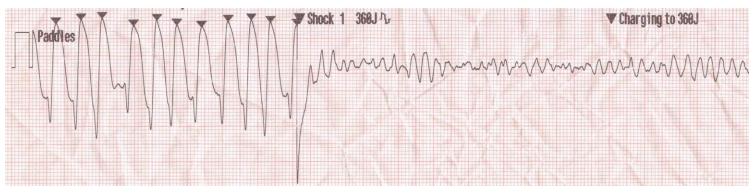
Karel Frederik Wenckebach



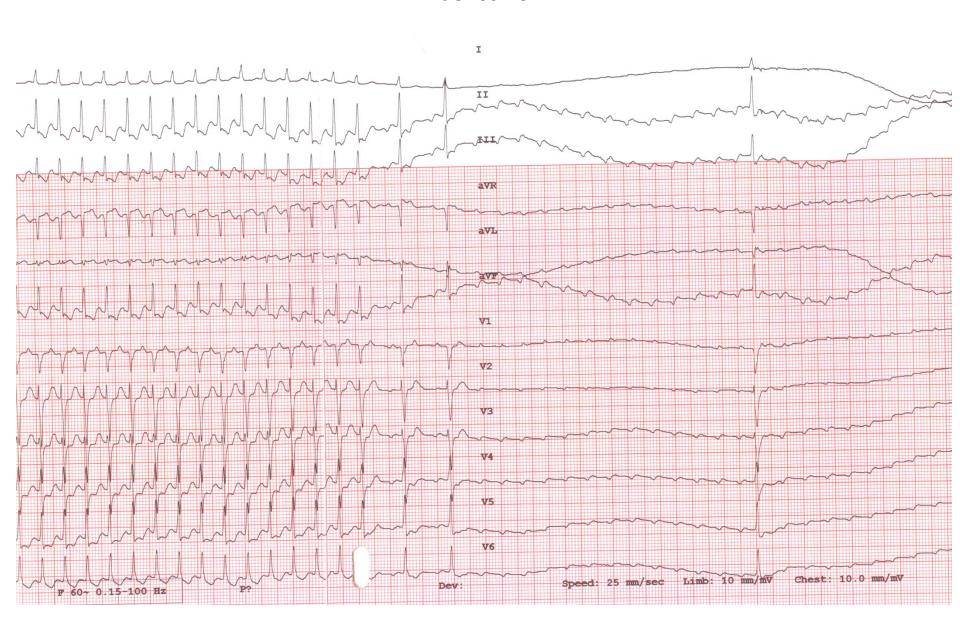


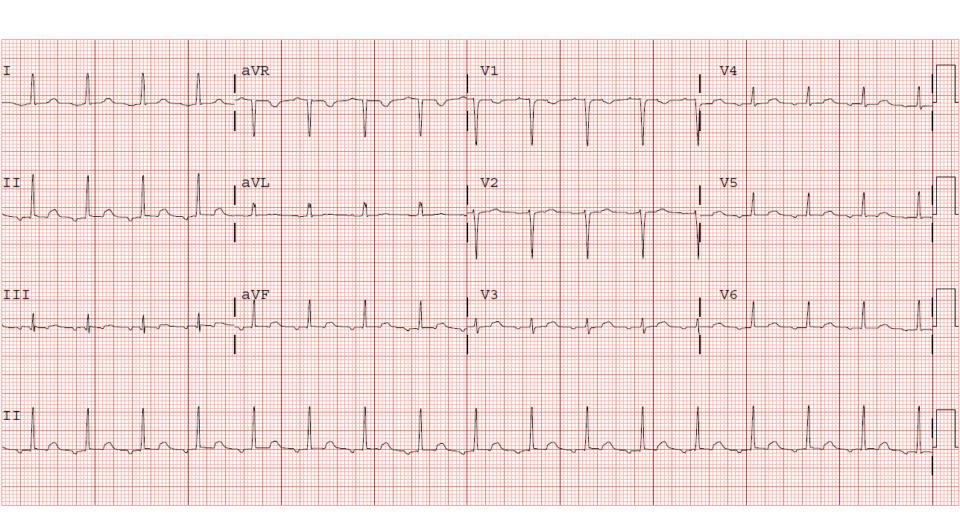




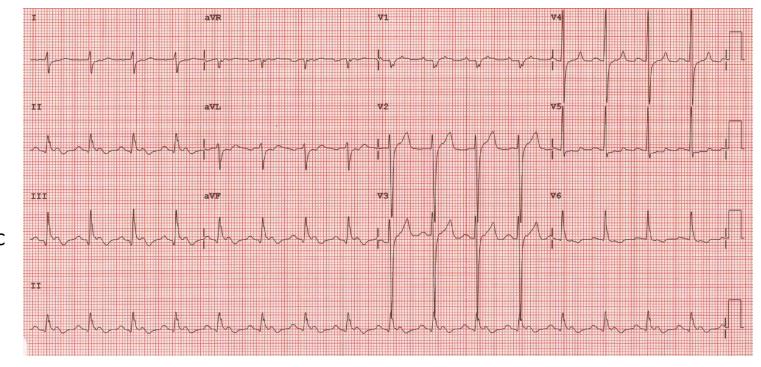


#### Adenosine

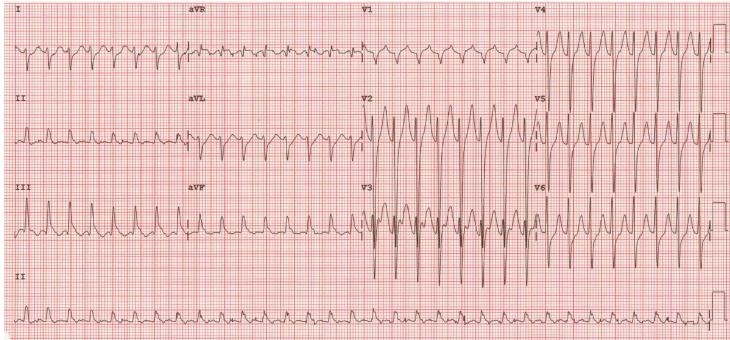


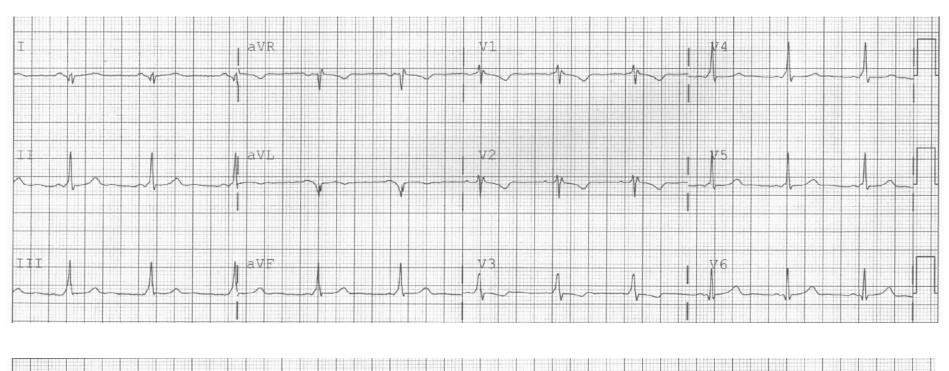


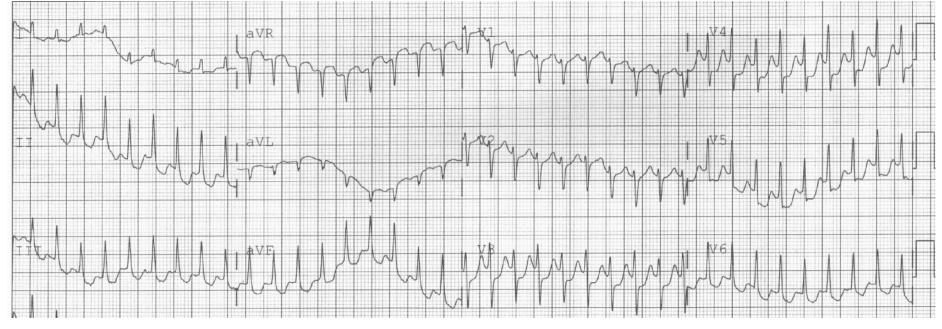
58 y.o. male with intermittent palpitations 3 months after ablation for persistent atrial fibrillation; feels well today in clinic



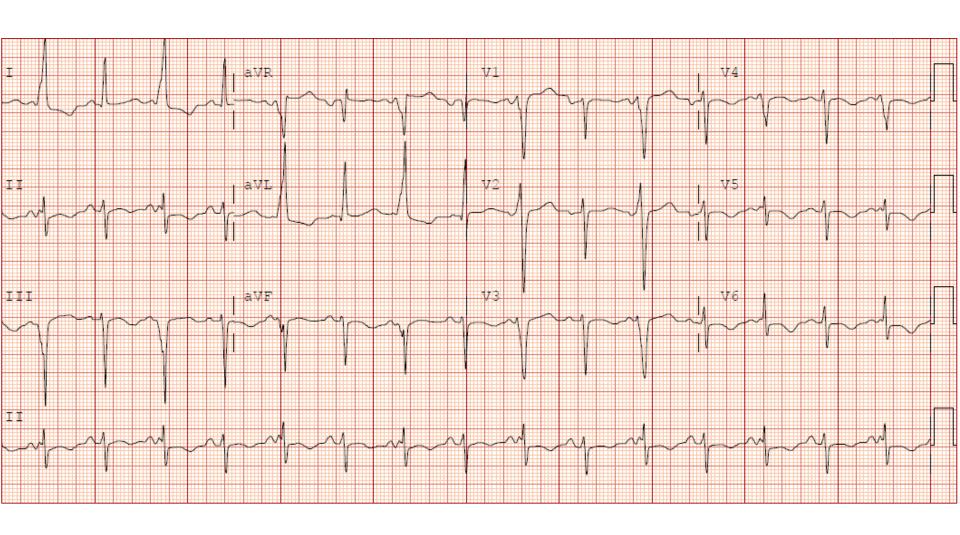
With exercise



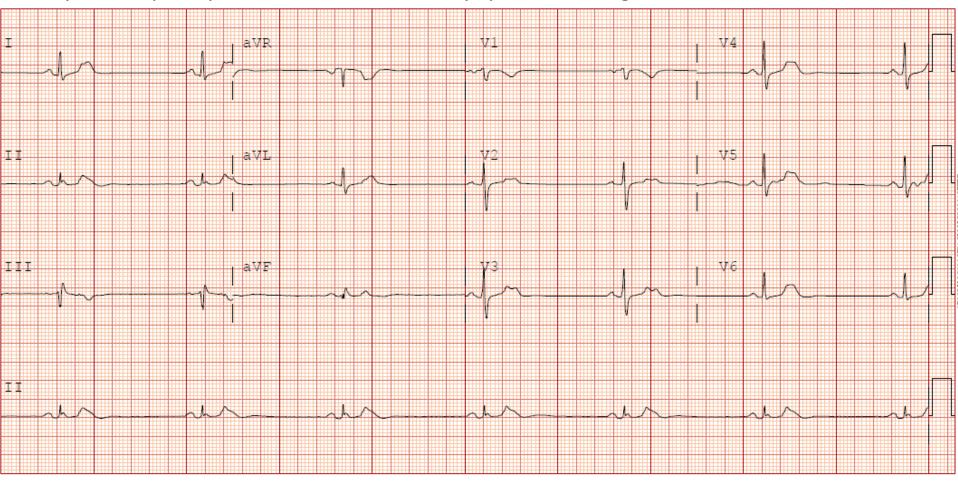




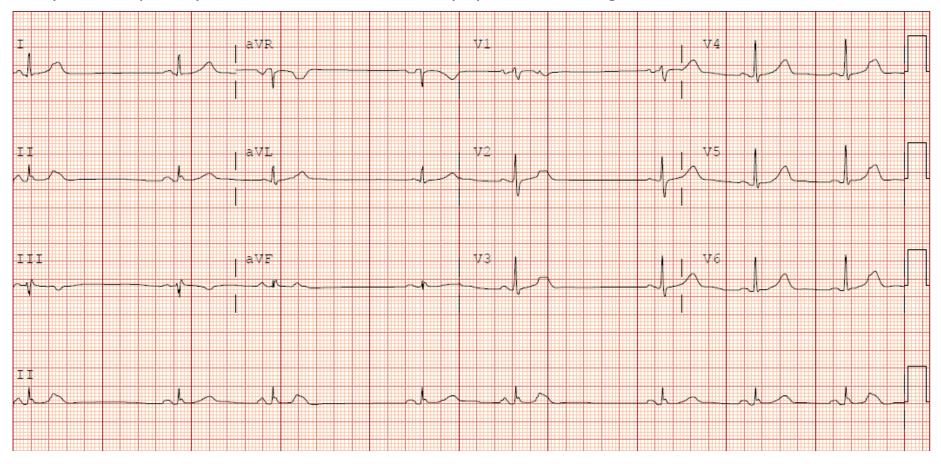
20 y.o. male with intermittent regular palpitations

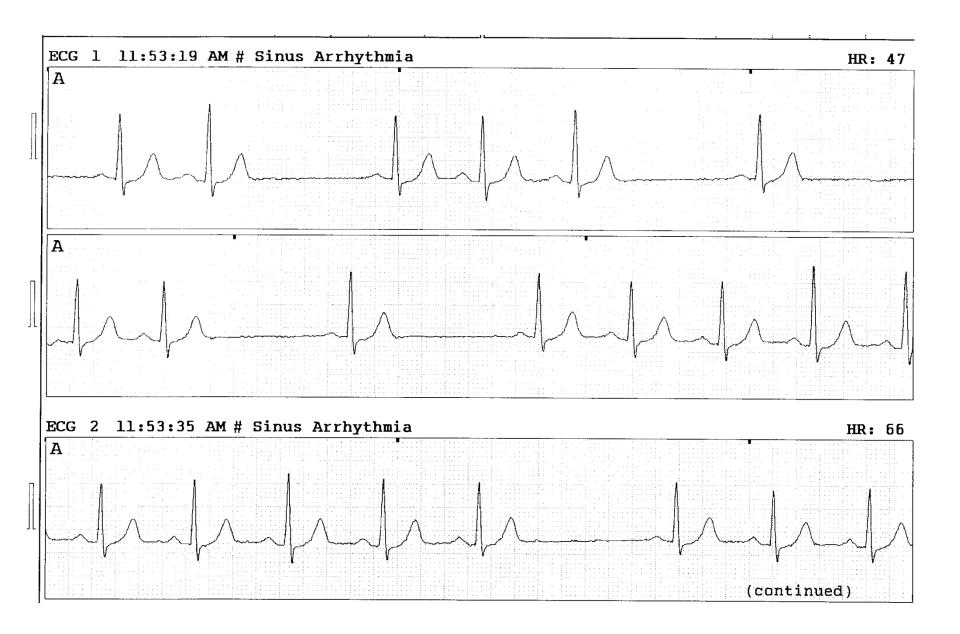


55 y.o. with paroxysmal AF, intermittent dizzy spells; initiating sotalol



55 y.o. with paroxysmal AF, intermittent dizzy spells; initiating sotalol





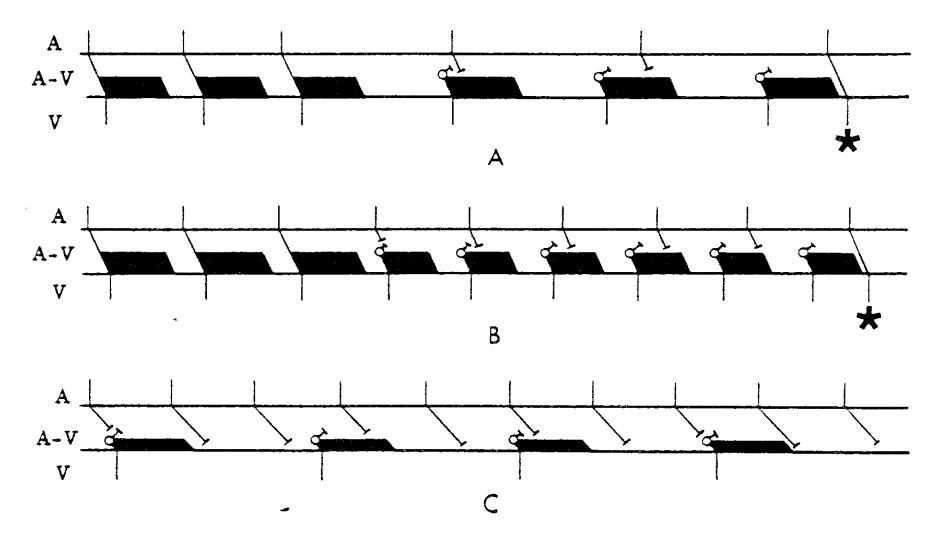
## **AV Dissociation**

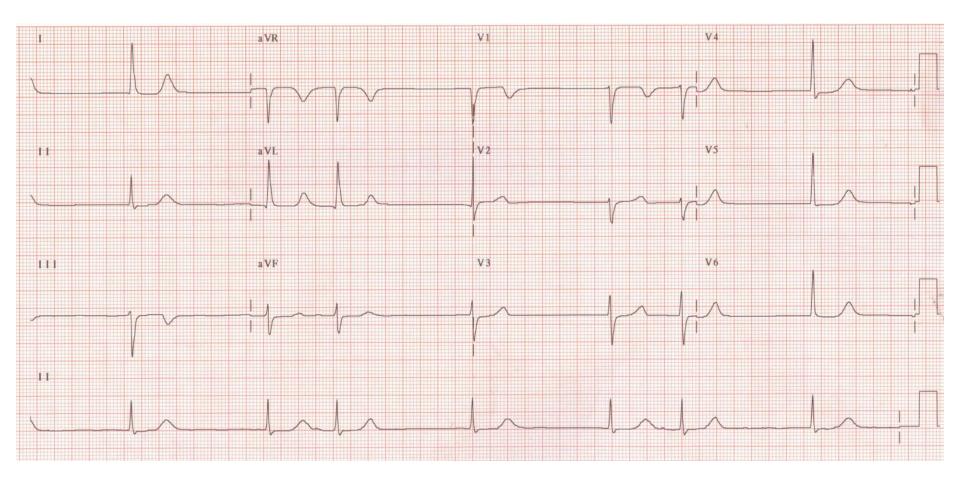
Not synonymous with AV block

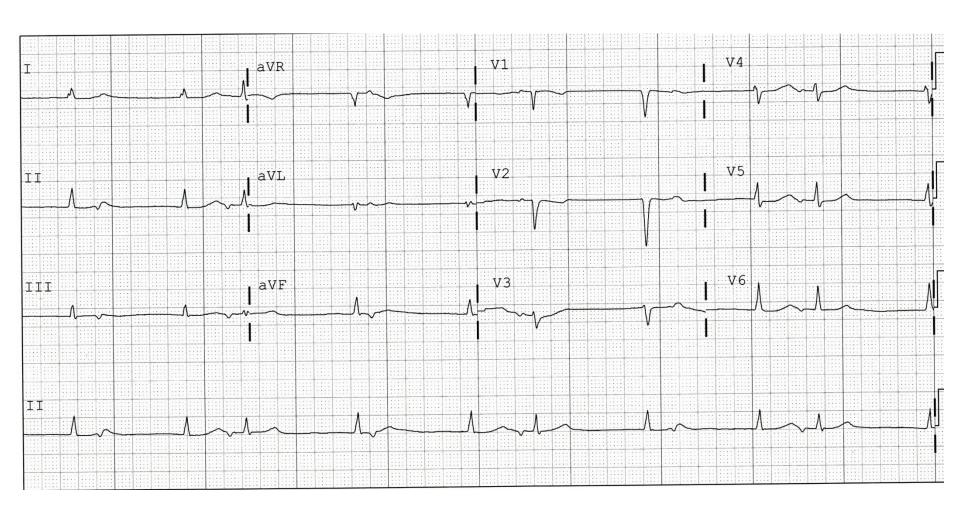
### Mechanisms of AV Dissociation

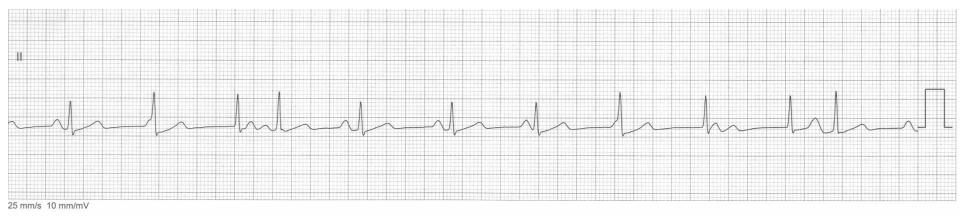
- 1. Slowing of primary pacemaker; subsidiary pacemaker escapes
- 2. Acceleration of subsidiary pacemaker; usurps control from primary pacemaker
- 3. Atrioventricular block (complete or incomplete)
- 4. Combination of 1-3

## Mechanisms of AV Dissociation

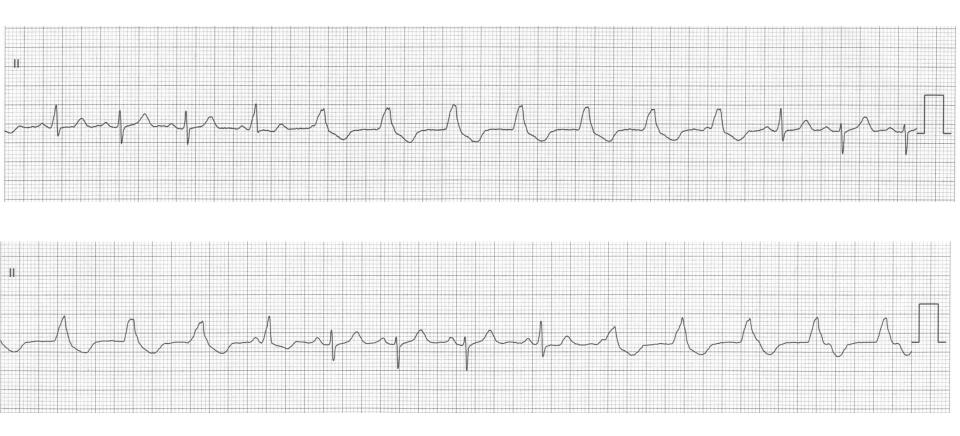




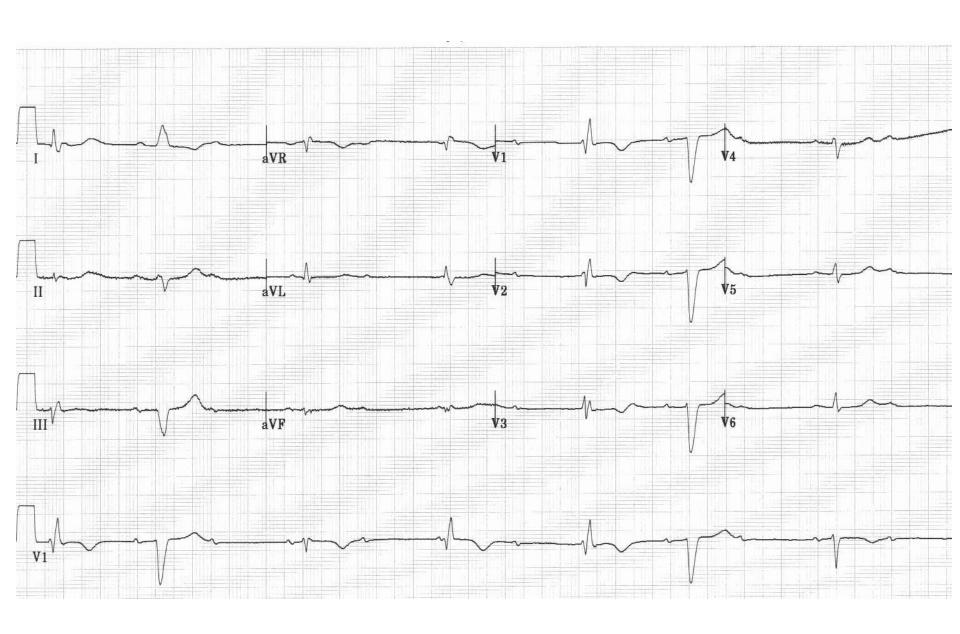




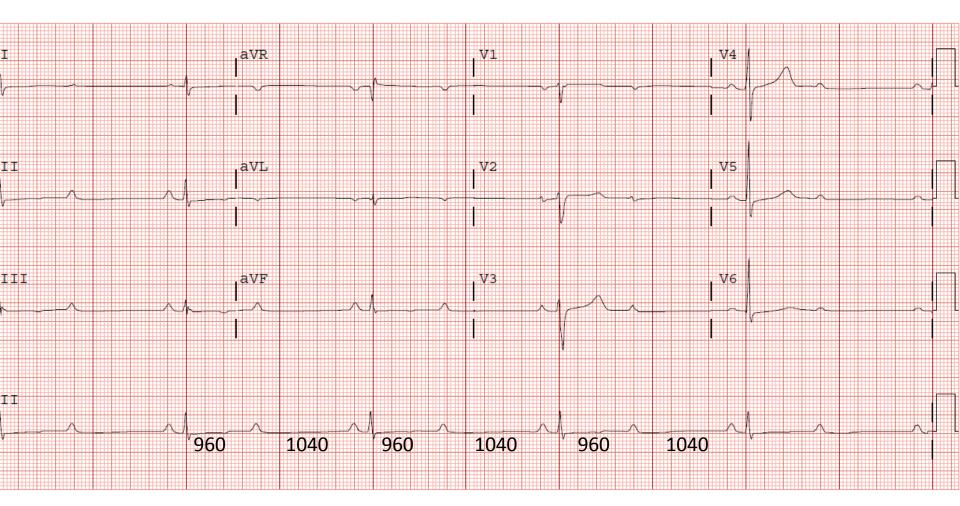
#### 55 y.o. male five days after CABG; asymptomatic

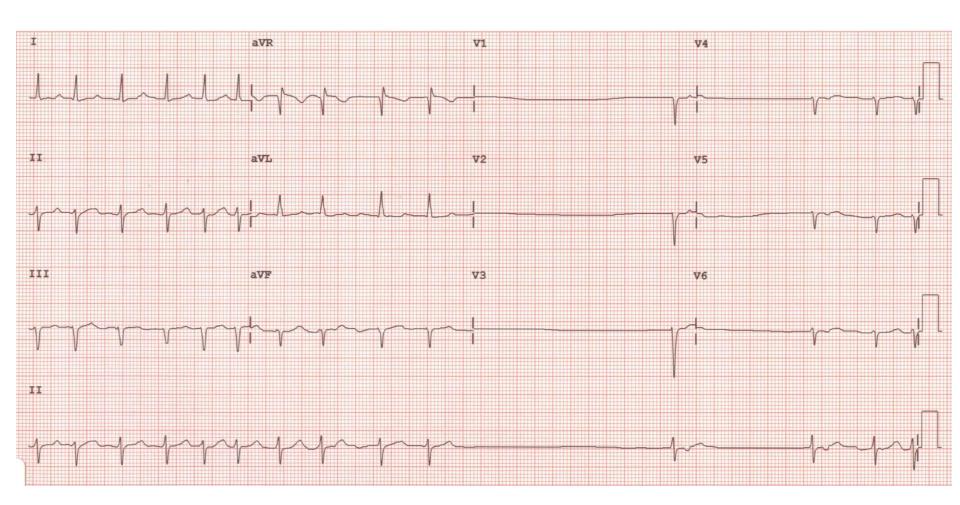




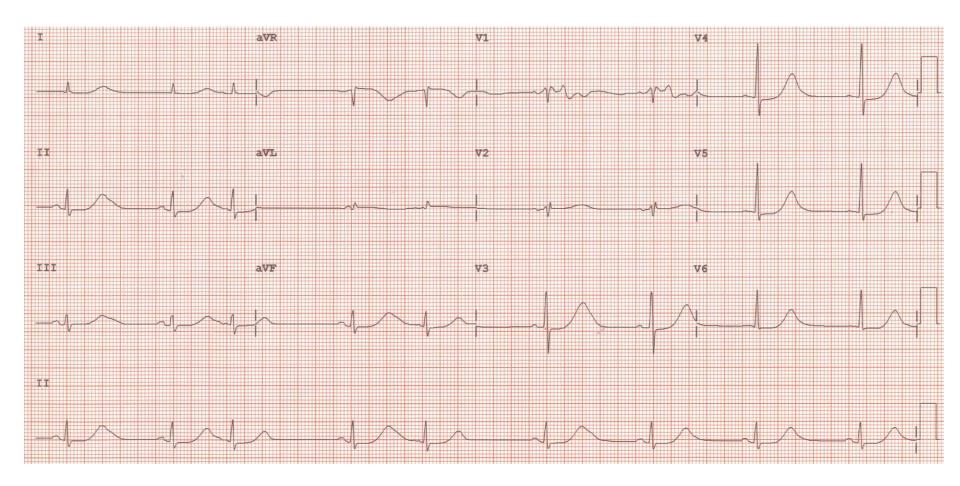


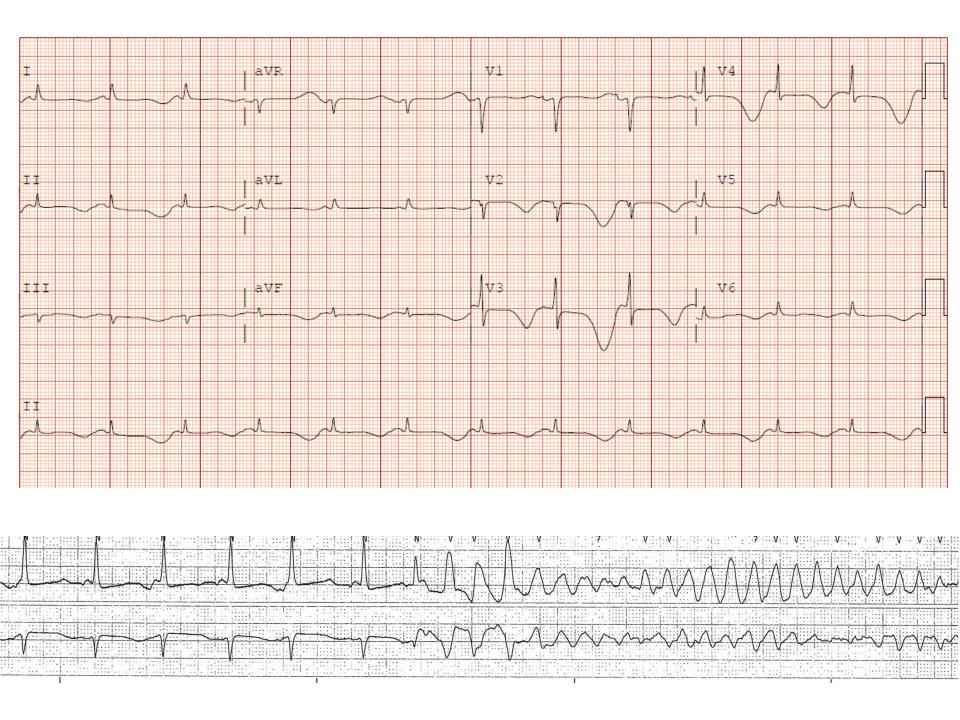
60 y.o. man, asymptomatic



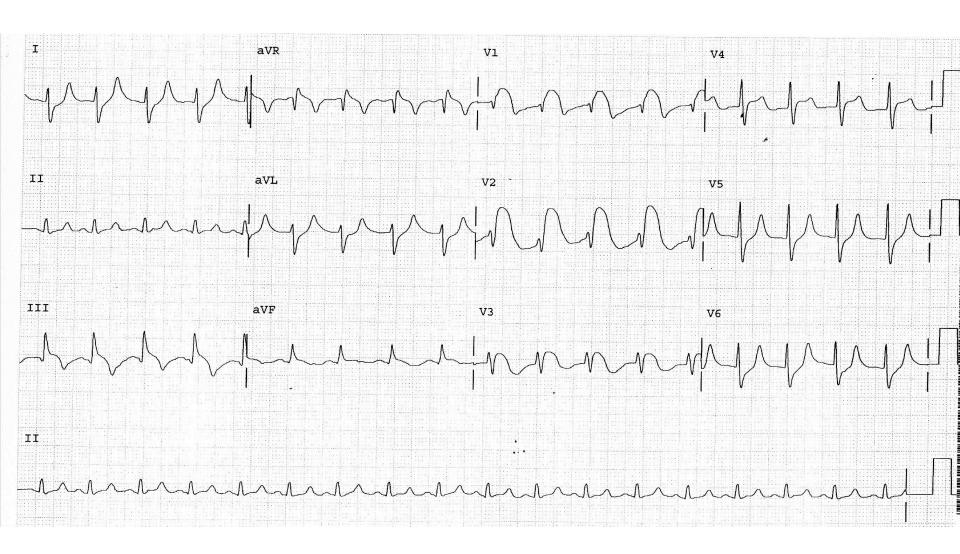


#### Dofetilide

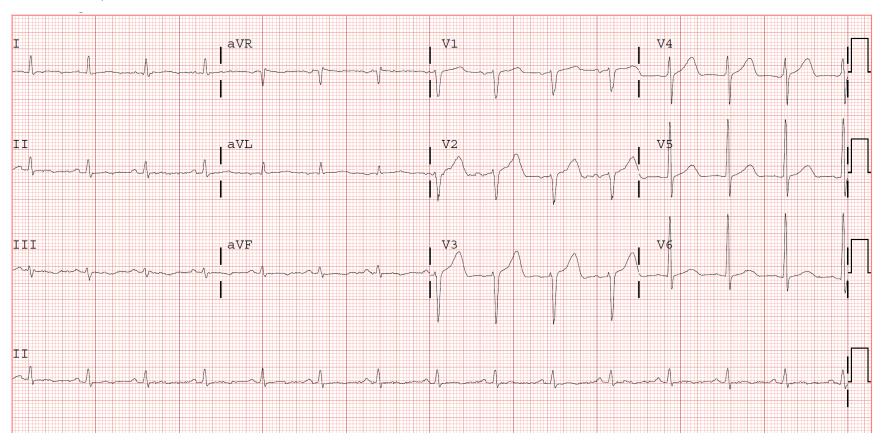




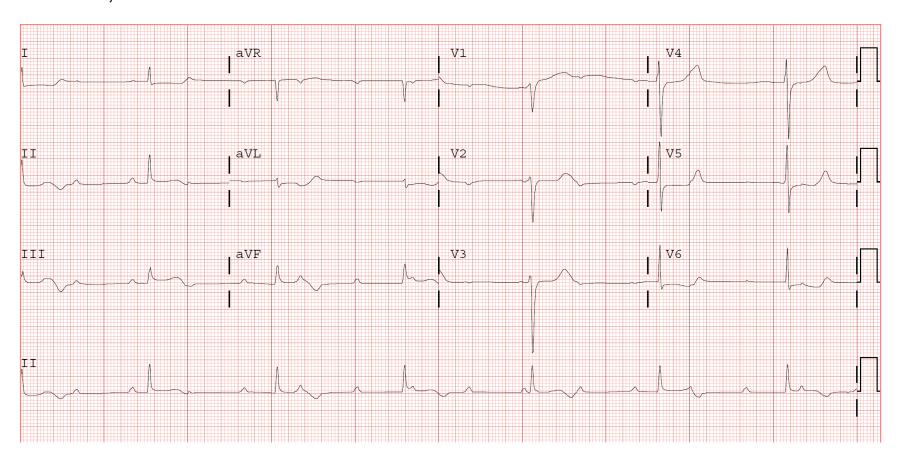
25 year old male with syncope; no chest pain.



#### 6/17/12, 7:58



#### 6/17/12, 14:09



#### 6/17/12, 14:19

