

ECG ANALYSIS OF ARRHYTHMIAS II.

(PASSIVE HETEROPIES AND VENTRICULAR ARRHYTHMIAS)

UNIVERSITY OF DEBRECEN
FACULTY OF MEDICINE
DIVISION OF CLINICAL PHYSIOLOGY



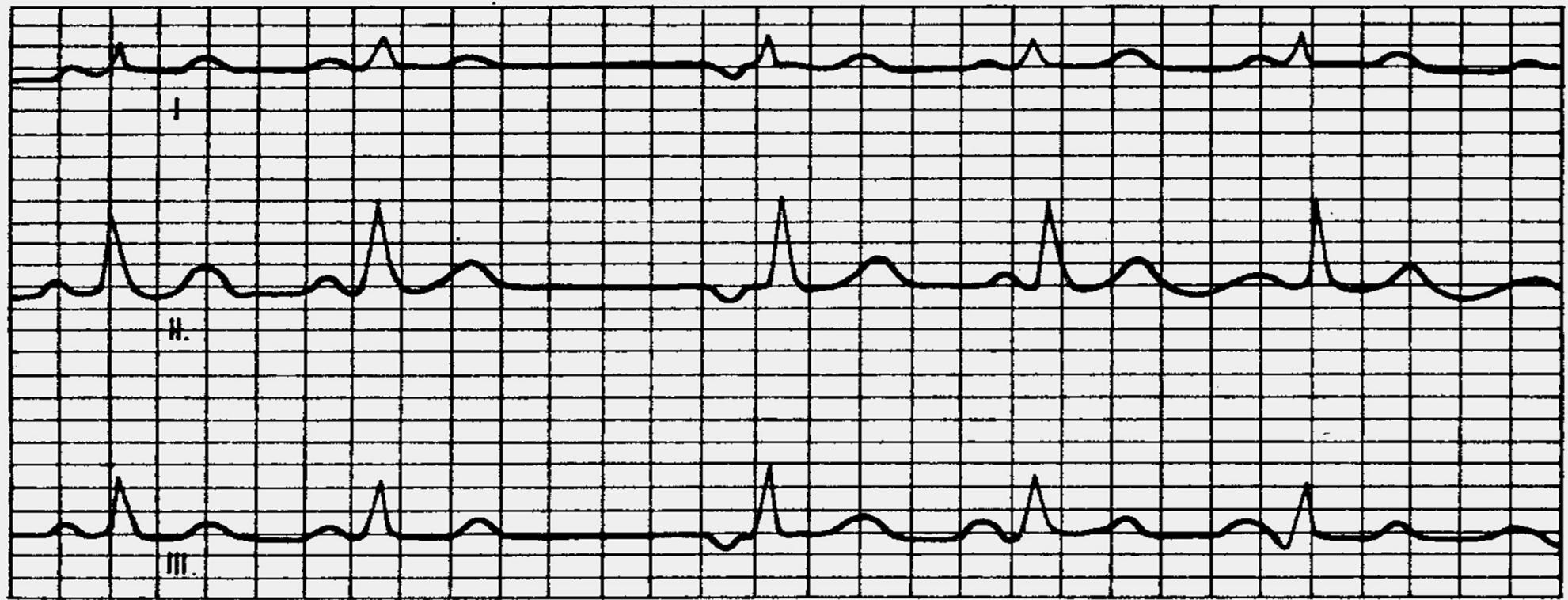
Passive heterotopies

- 1. Junctional escape beat**
- 2. Junctional escape rhythm**
- 3. Idioventricular escape beat**
- 4. Idioventricular escape rhythm**
- 5. Parasystole**
- 6. Interference dissociation**

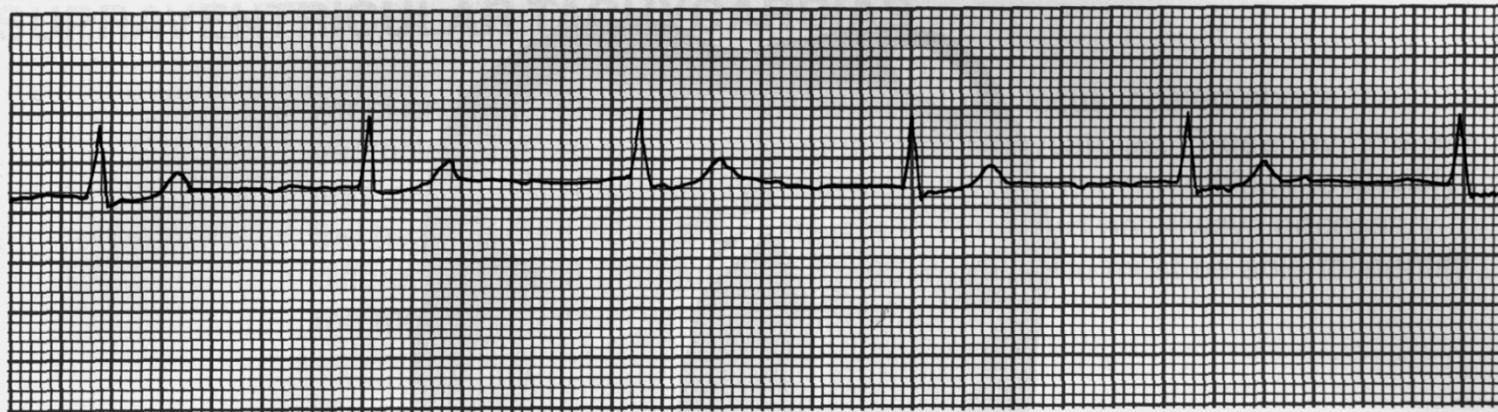
Active heterotopies with ventricular origin

- 1. Ventricular premature contraction**
- 2. Idioventricular acceleration**
- 3. Ventricular tachycardia**
- 4. Ventricular flutter**
- 5. Ventricular fibrillation**

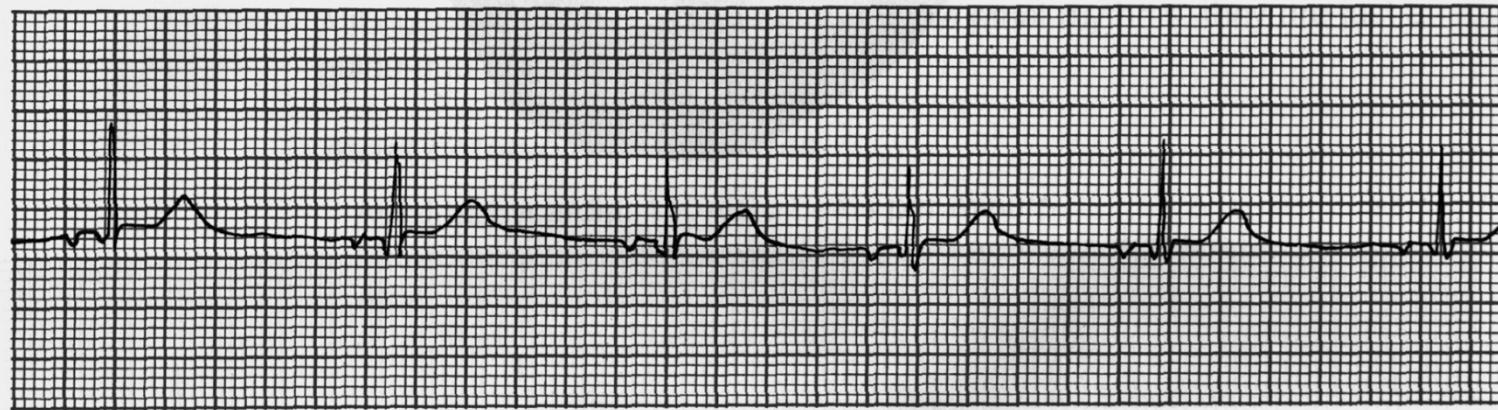
Junctional escape beat



Junctional escape rhythm

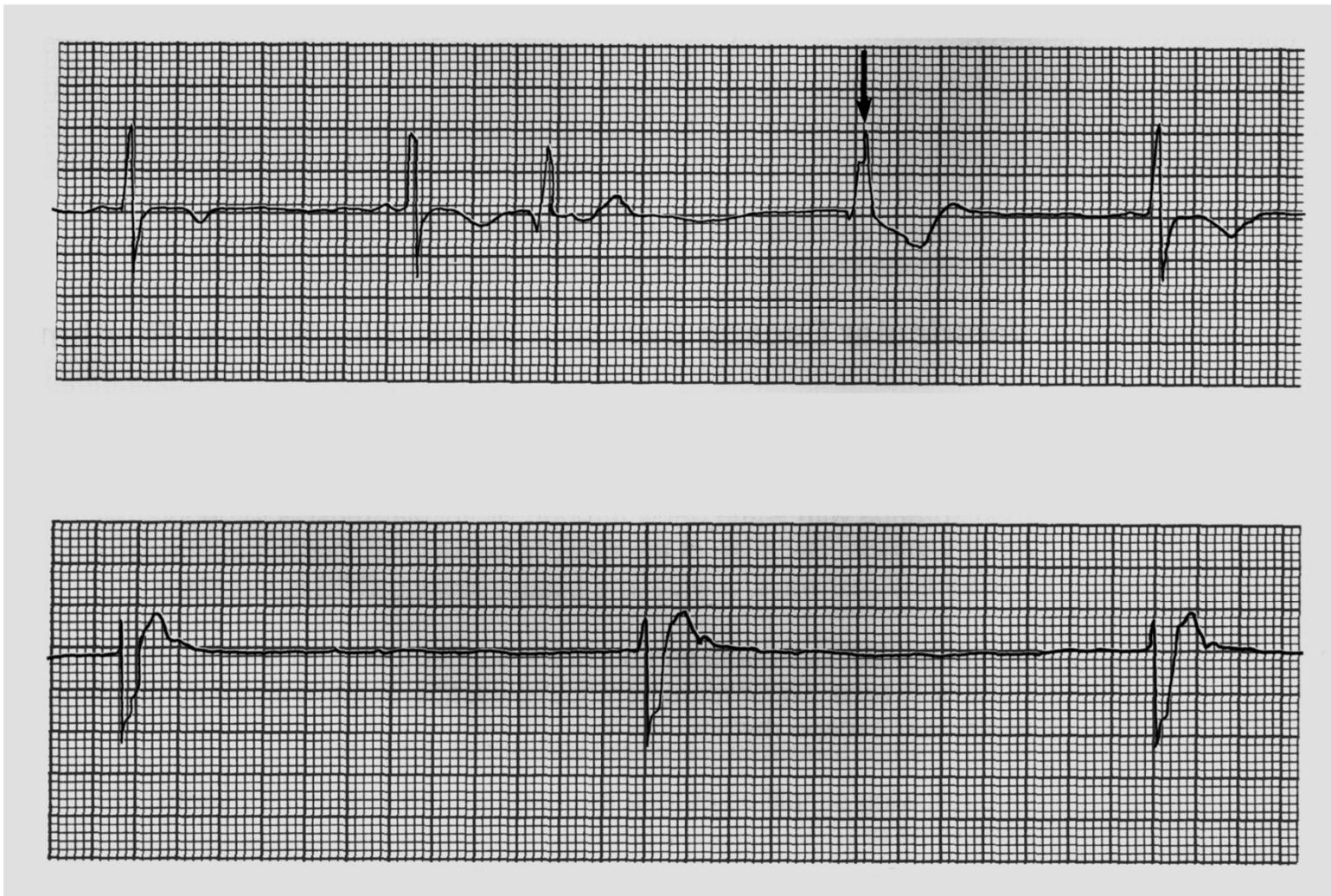


Junctional escape rhythm

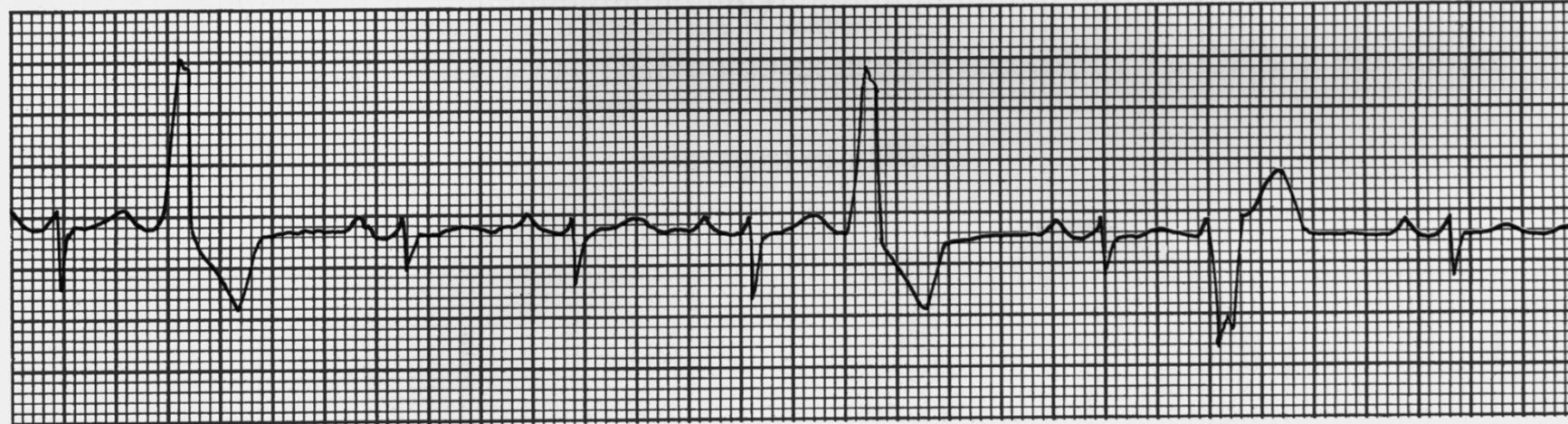
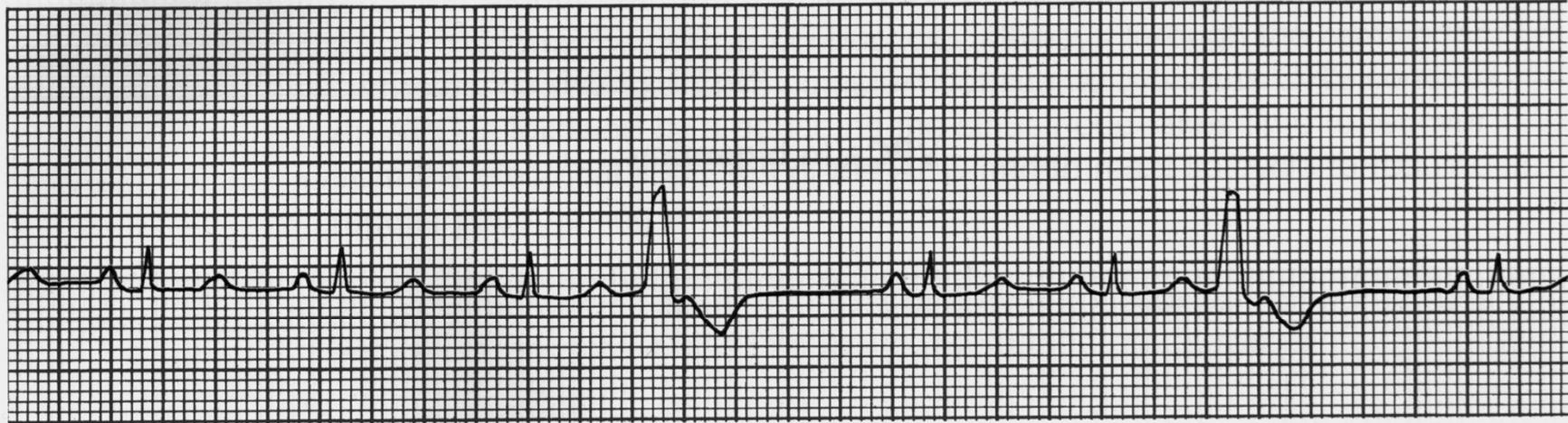


Junctional escape rhythm

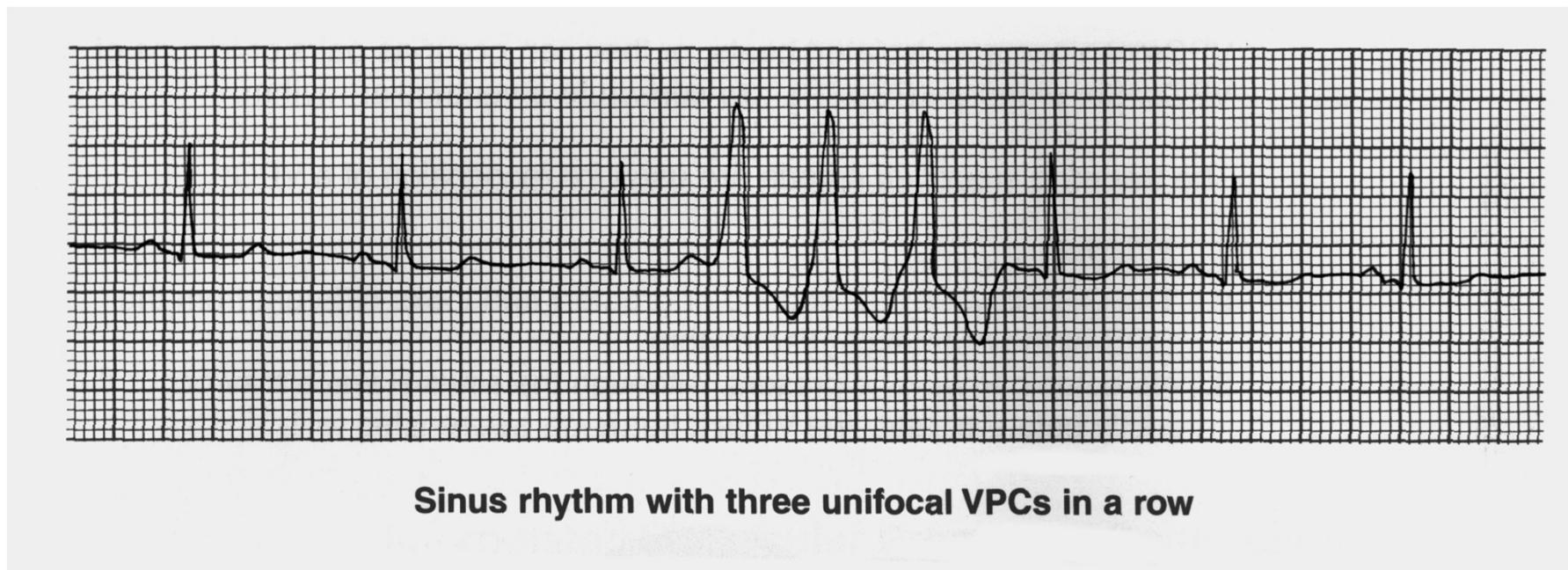
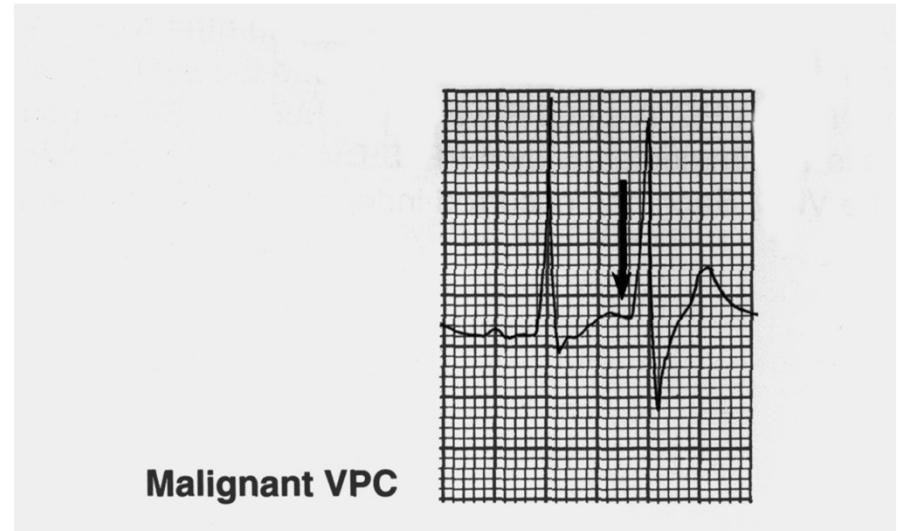
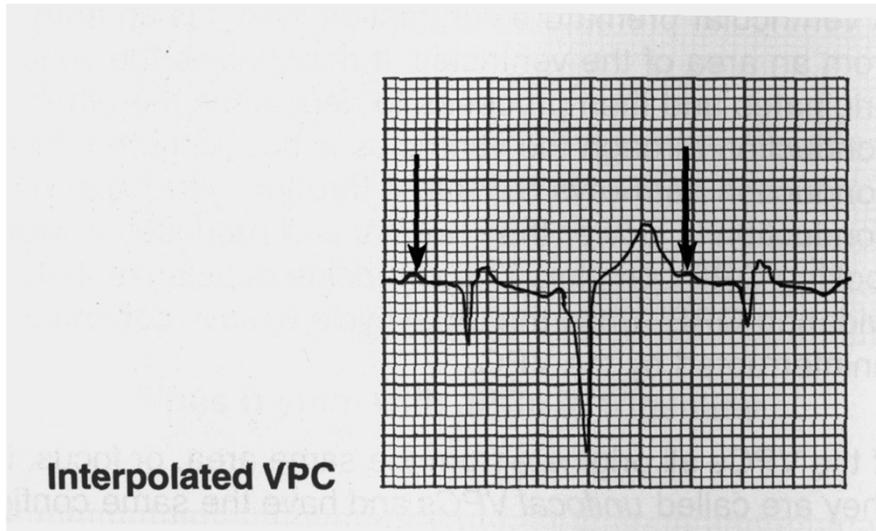
Idioventricular escape beat and idioventricular escape rhythm



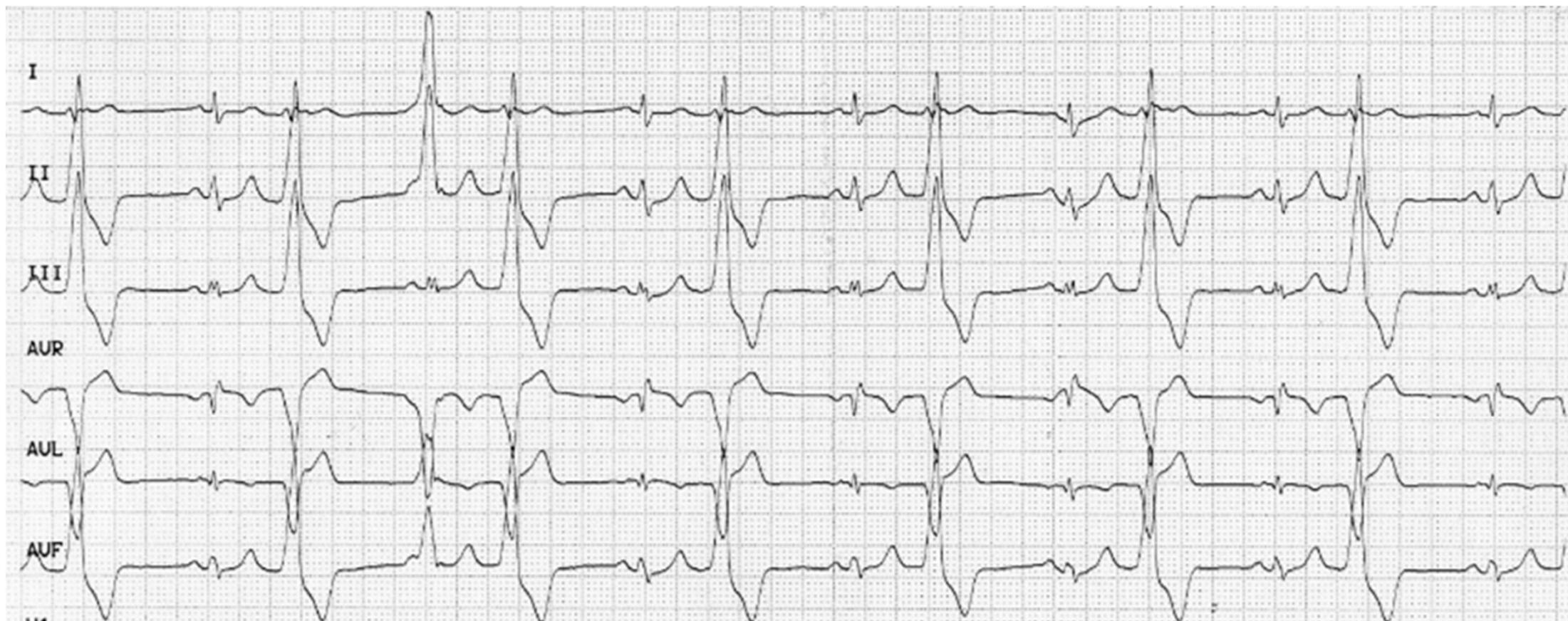
Ventricular premature contractions I.



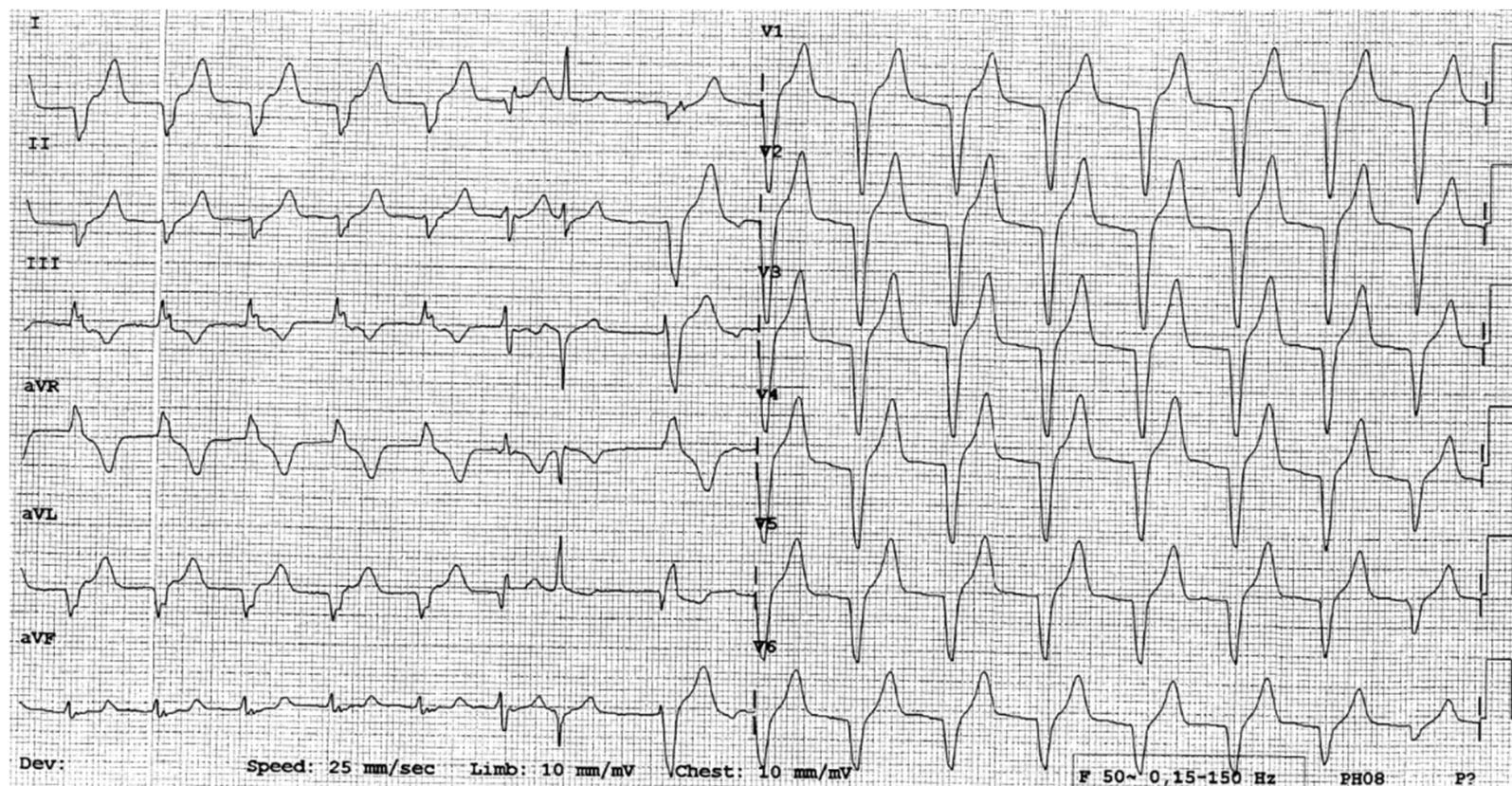
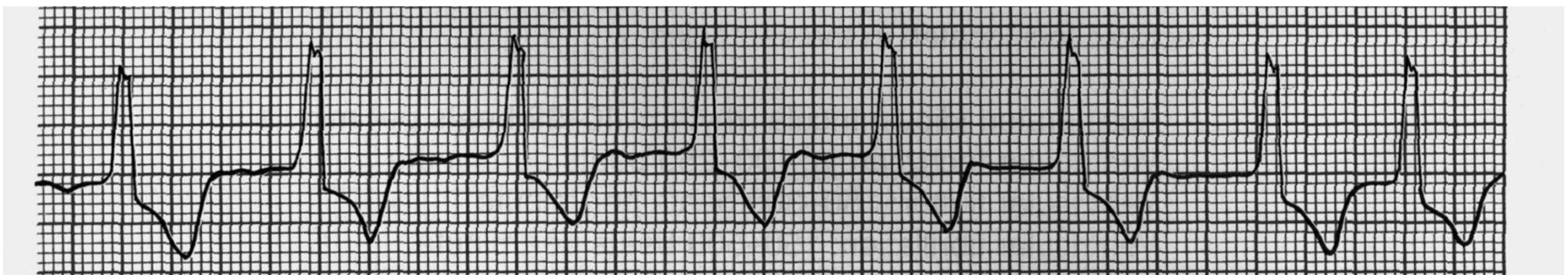
Ventricular premature contractions II.



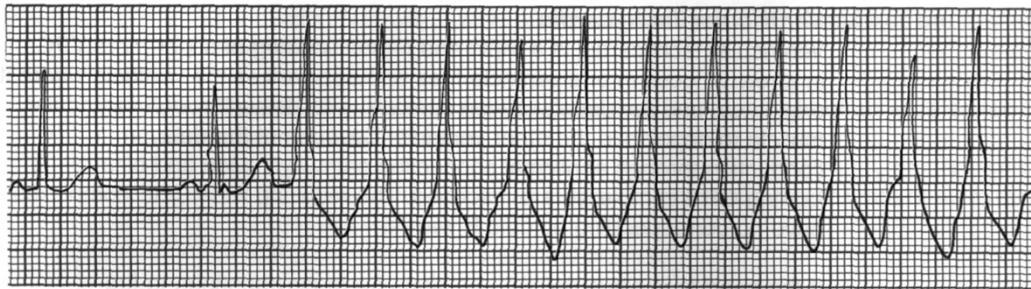
Ventricular premature beats with a bigeminal pattern



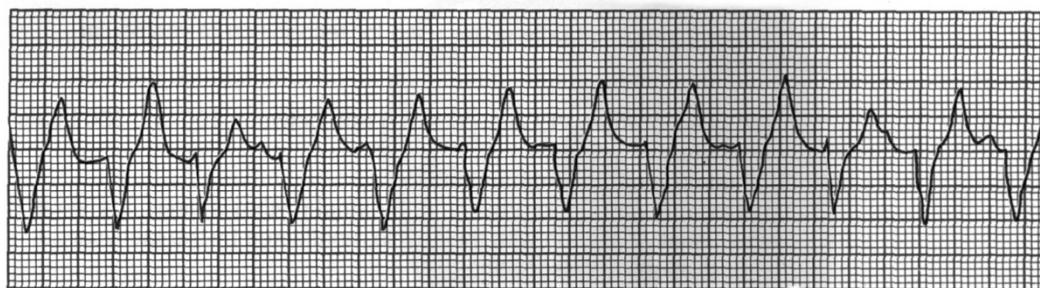
Idioventricular acceleration



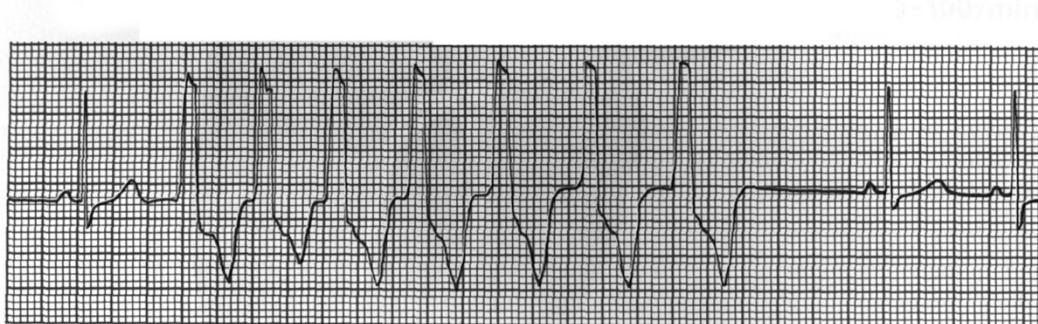
Ventricular tachycardia



VA bolleo et al.
Sinus bradycardia with a run of ventricular tachycardia
Used with permission from the American Heart Association.
Journal page

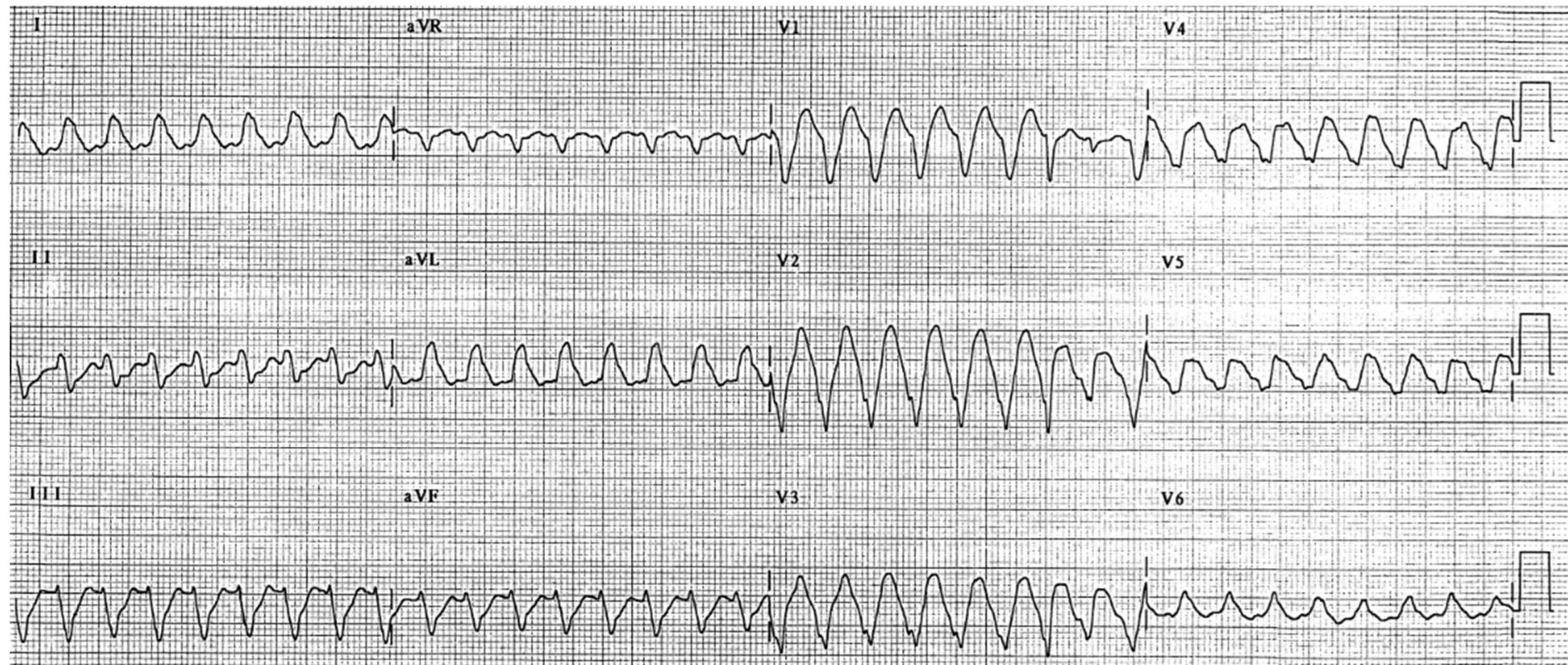


Ventricular tachycardia and AV dissociation with sinus tachycardia
controlling the atria

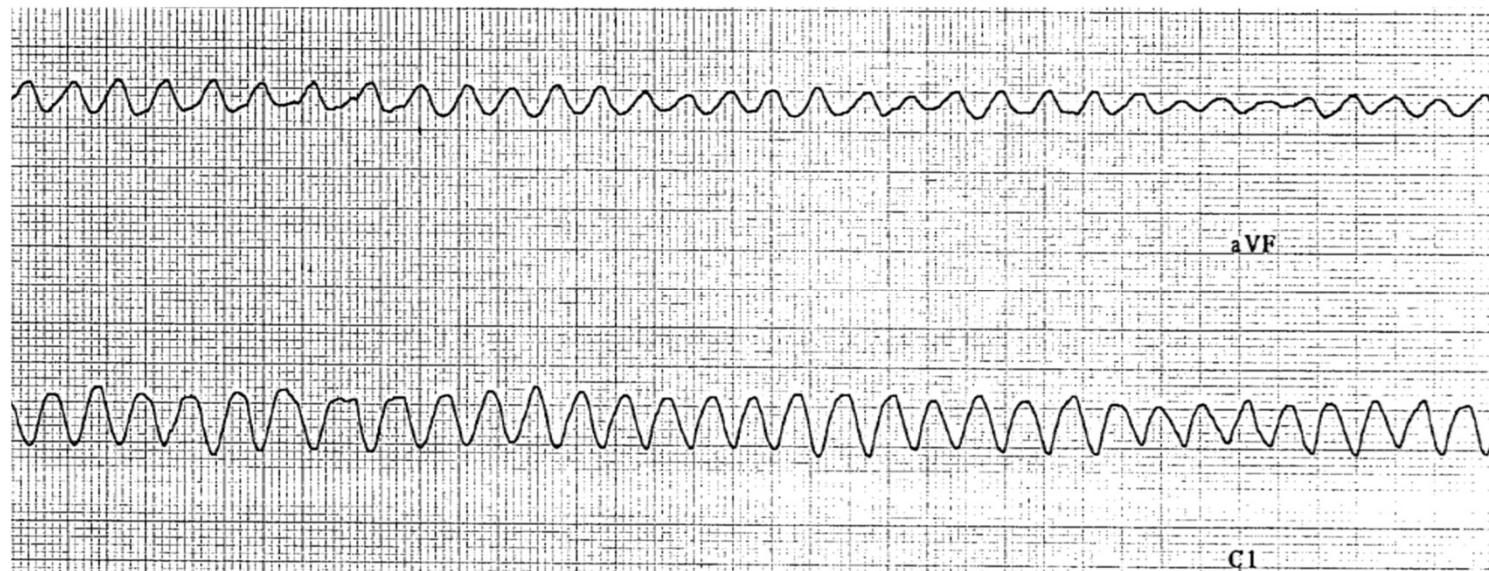
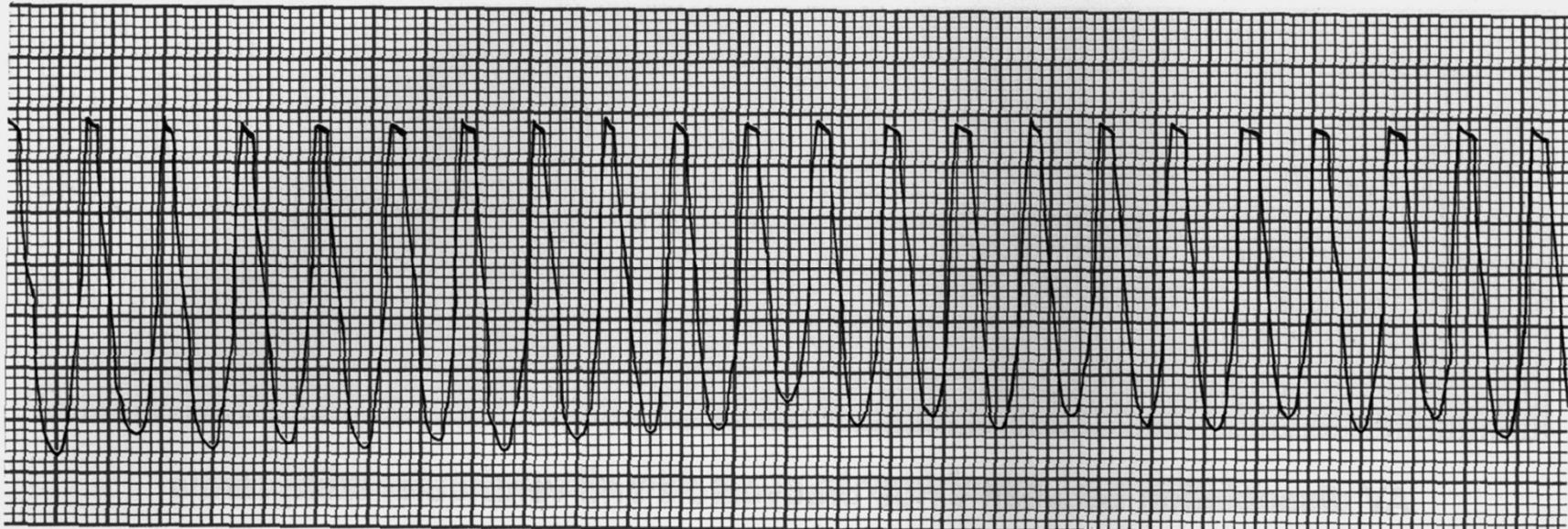


Sinus rhythm with a short burst of ventricular tachycardia

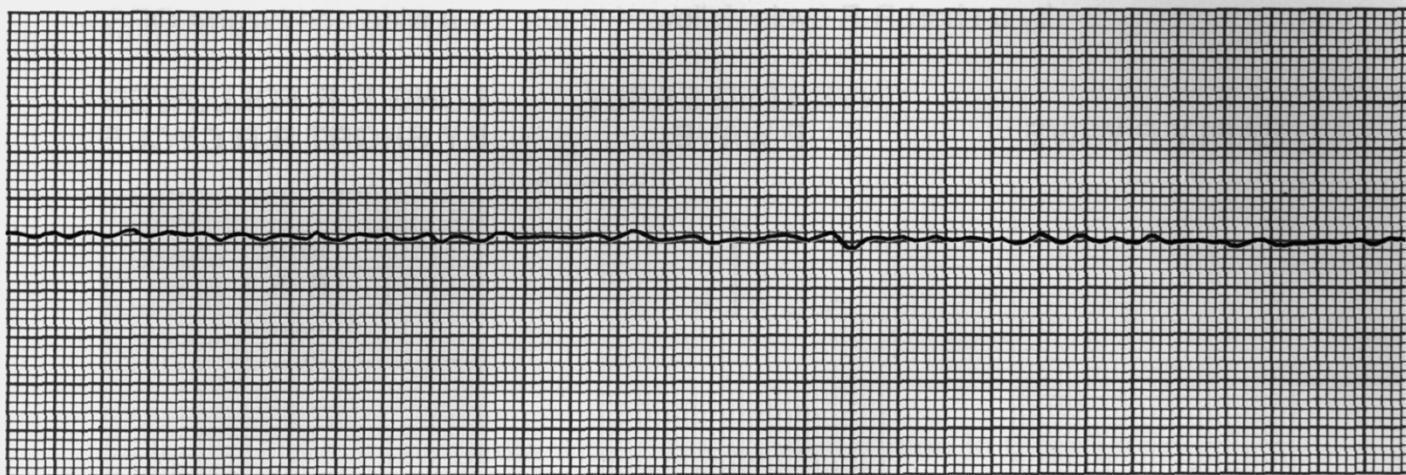
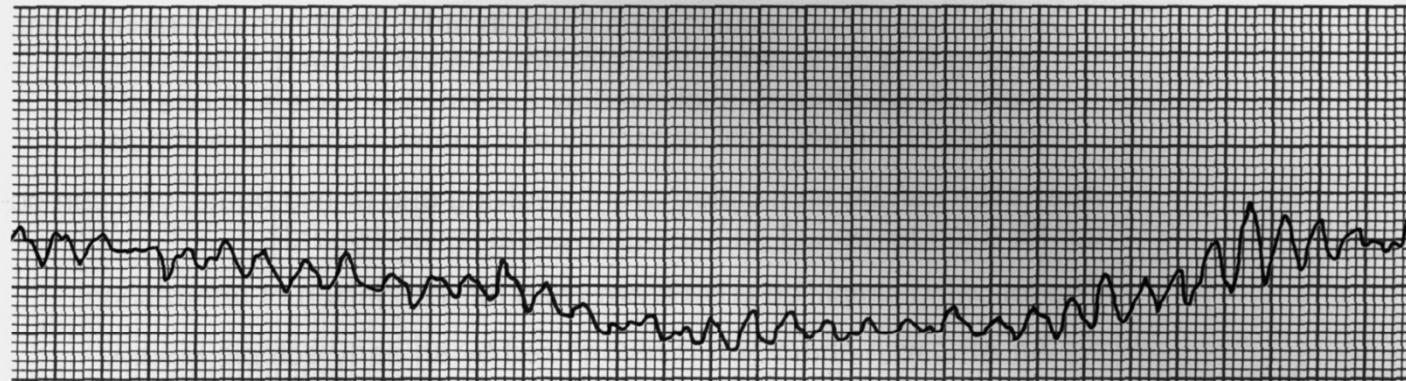
Ventricular tachycardia



Ventricular flutter



Ventricular fibrillation



Final exam test bank – Int-1.12

Normal mean electrical axis in the front plane, except for:

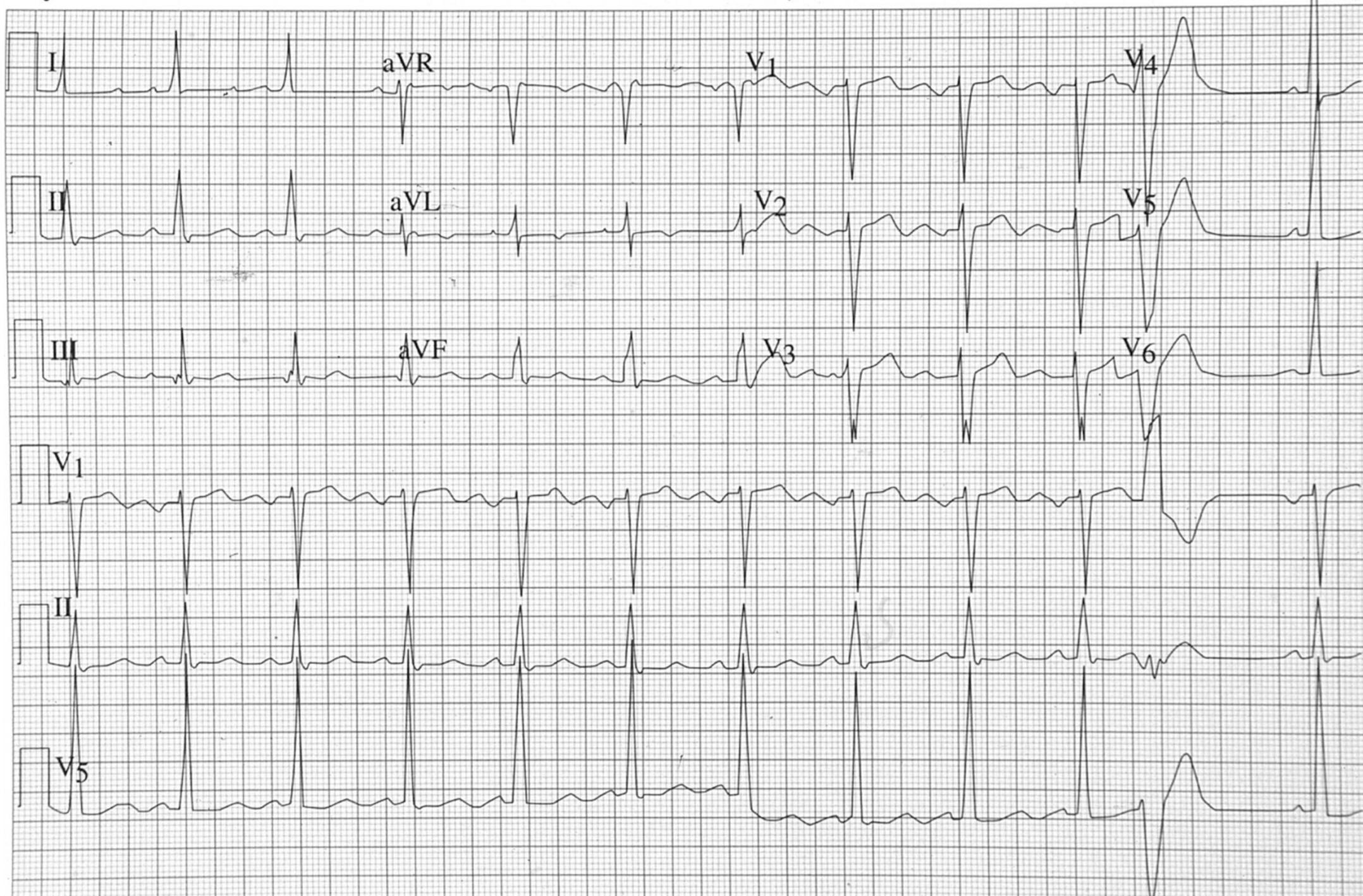
- A) +60°
- B) +90°
- C) -45°
- D) 0°
- E) +45°

Final exam test bank – Int-1.26

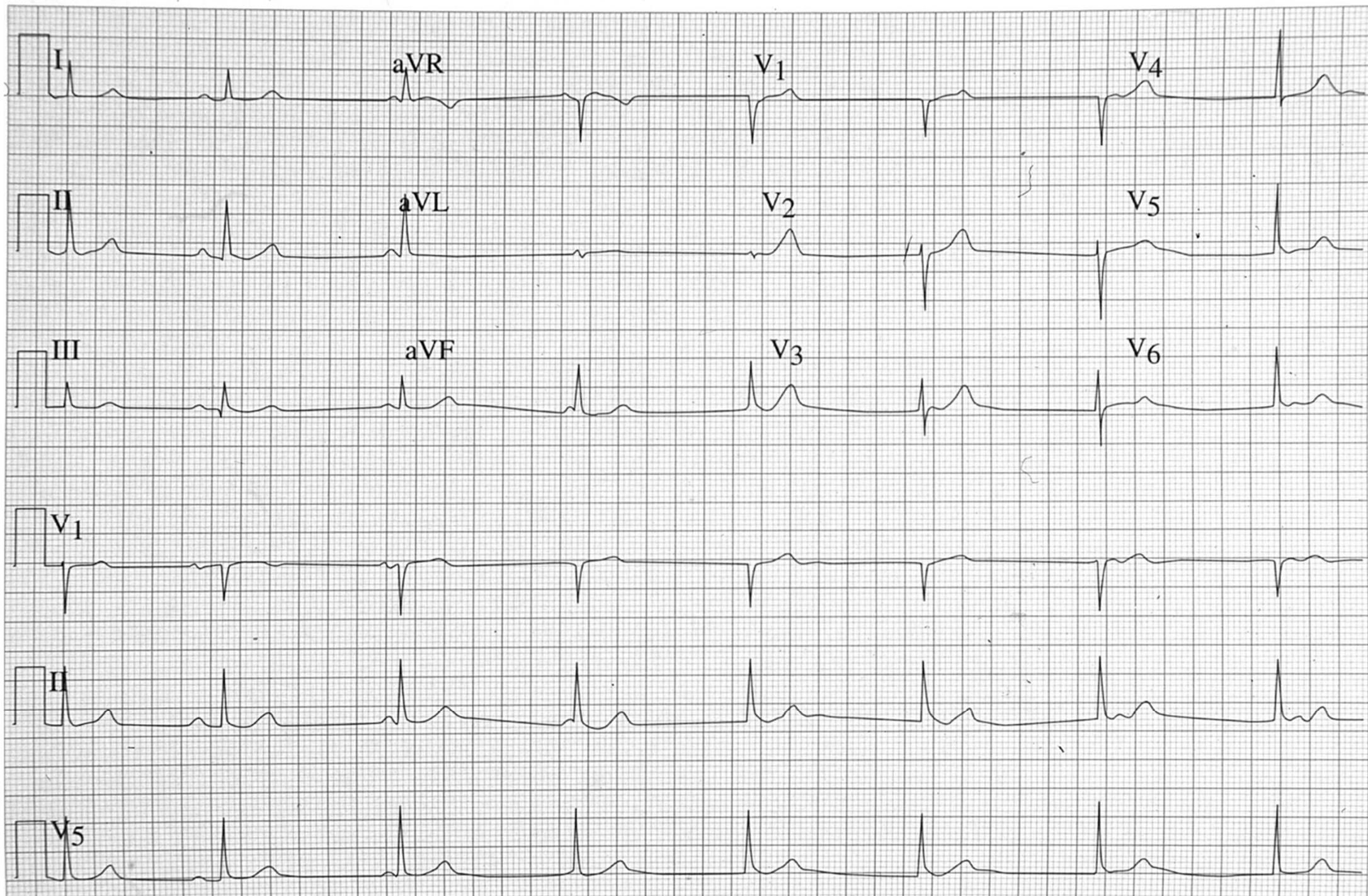
Which one is the most common permanent arrhythmia?

- A) ventricular extrasystoles
- B) atrial fibrillation
- C) ventricular tachycardia
- D) supraventricular tachycardia
- E) junctional escape rhythm

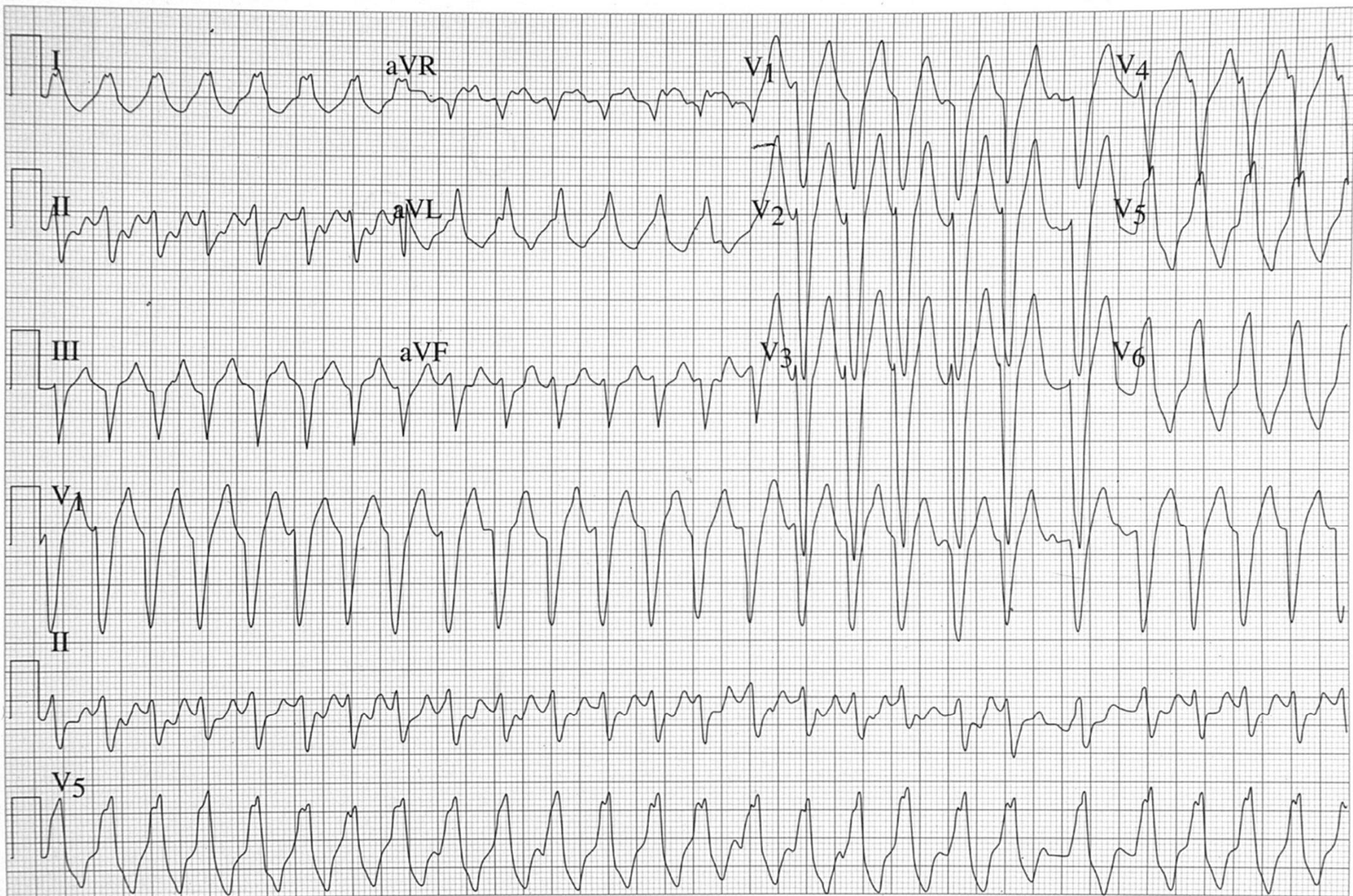
Day 7 ECG 1



Day 6 ECG 26



Day 8 ECG 4



Day 6 ECG 15

