

Szombath D.–Tornóci L.: EKG-munkafüzet

EKG-felvételei

**A tartalomjegyzékben a szövegre kattintva a megfelelő EKG-hoz jutunk.
Innen az oldalszámra kattintva térhetünk vissza a tartalomjegyzékhez.**

Ez az anyag kivetítón való megjelenítésre készült, kinyomtatni nem szabad, de nem is érdemes. Akinek szüksége van rá papír formában, megvásárolhatja a Semmelweis Kiadó által forgalmazott könyvet (ez nyomdatechnikai okok miatt sokkal jobb minőségű, mint amit egy lézernyomtatón el lehet érni).

2009. augusztus 27.

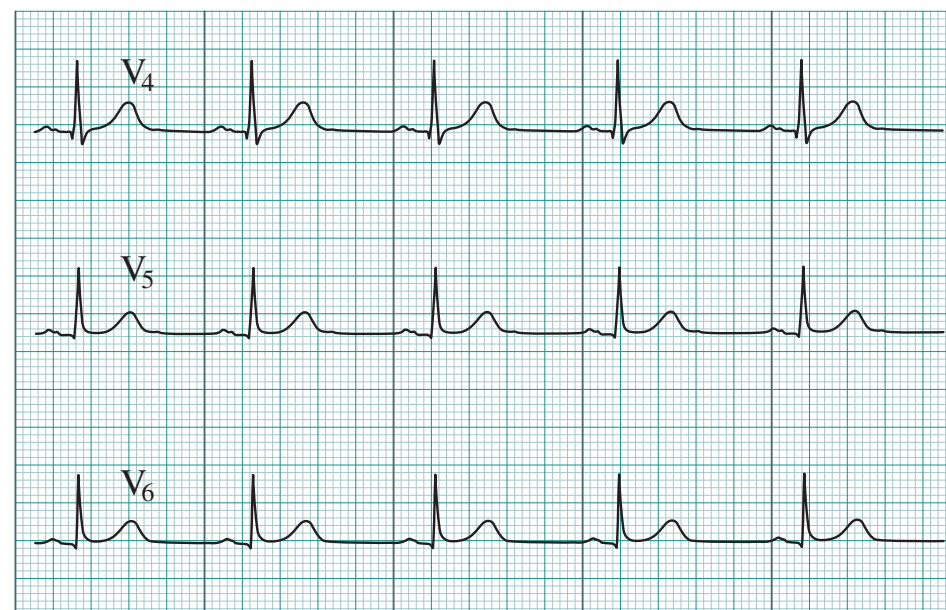
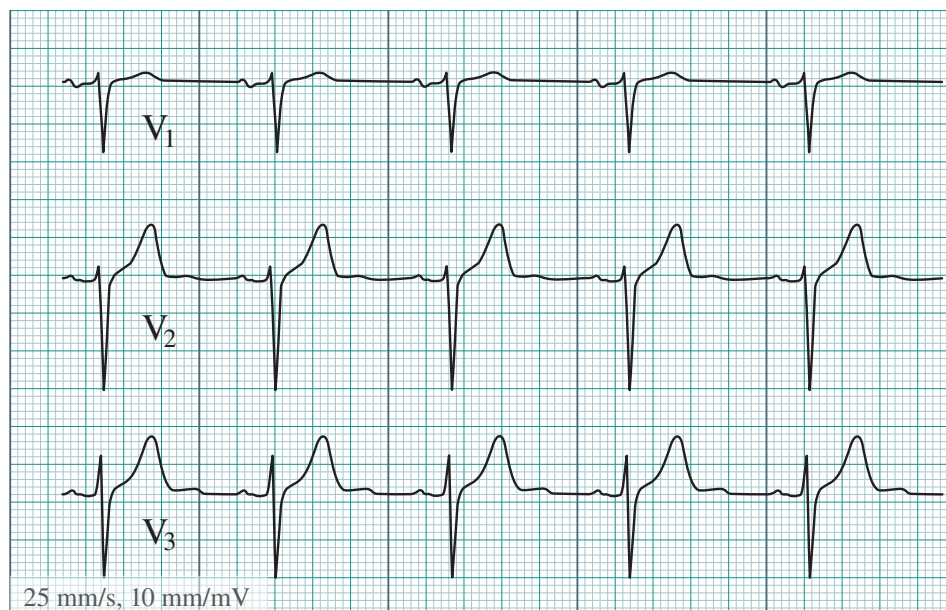
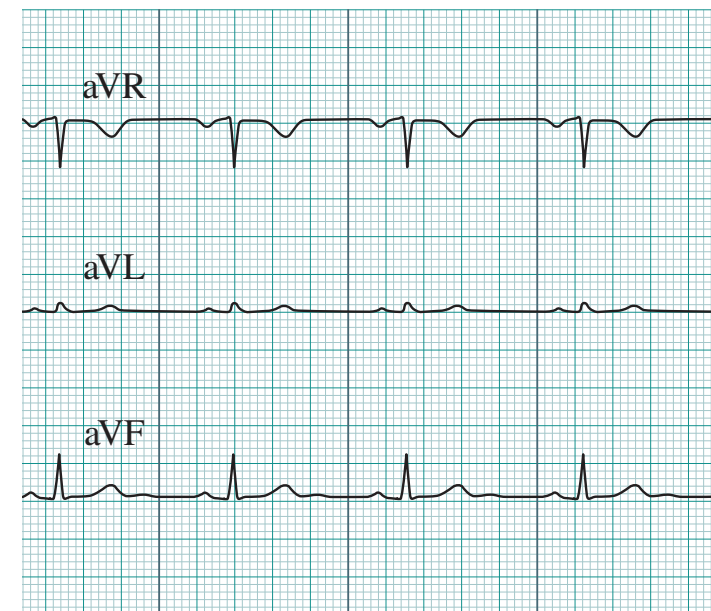
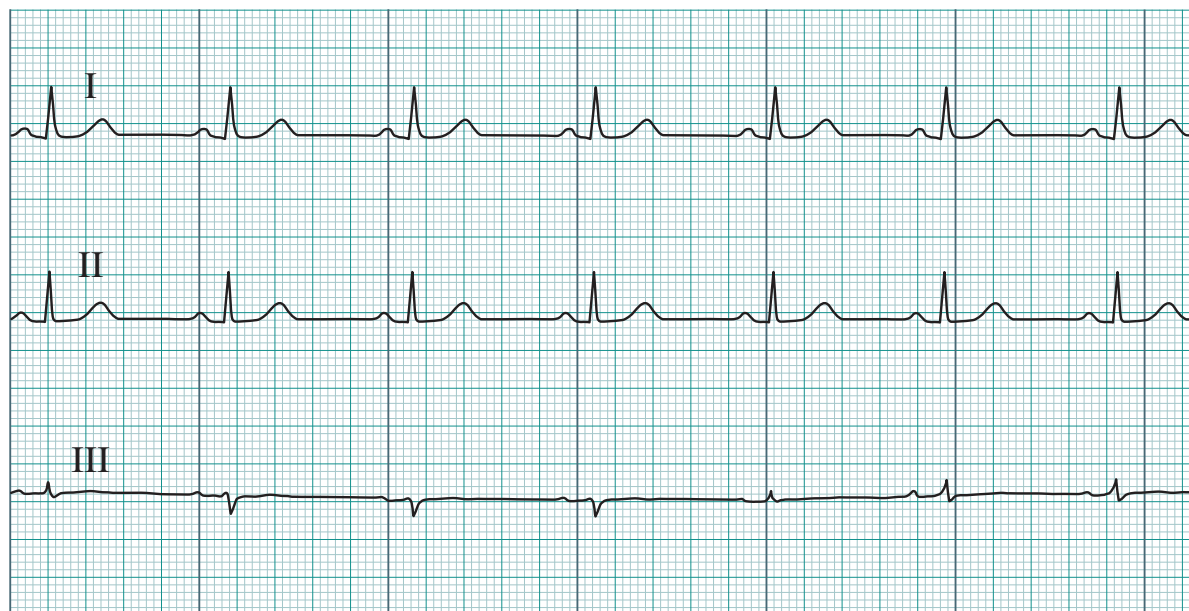
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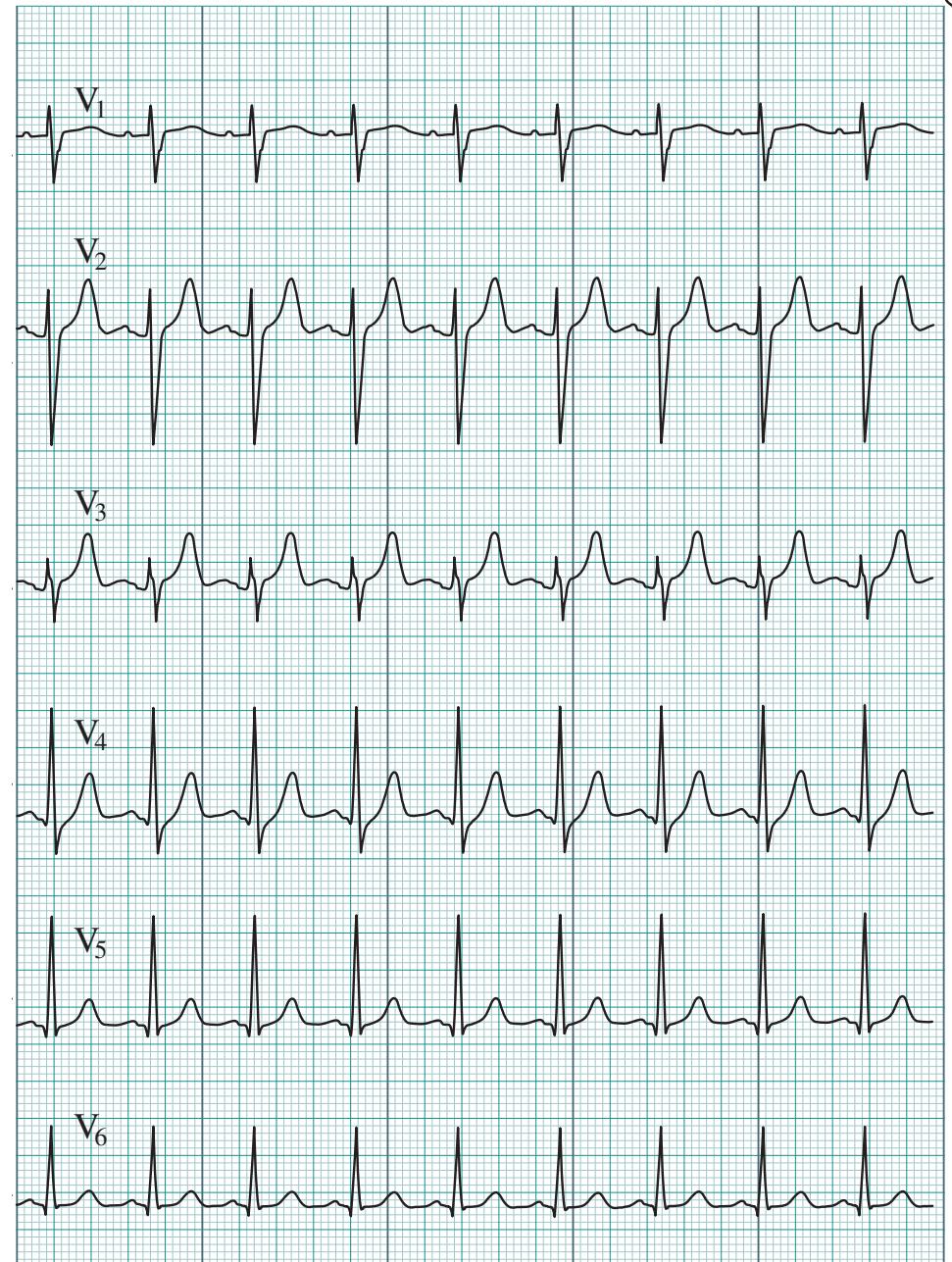
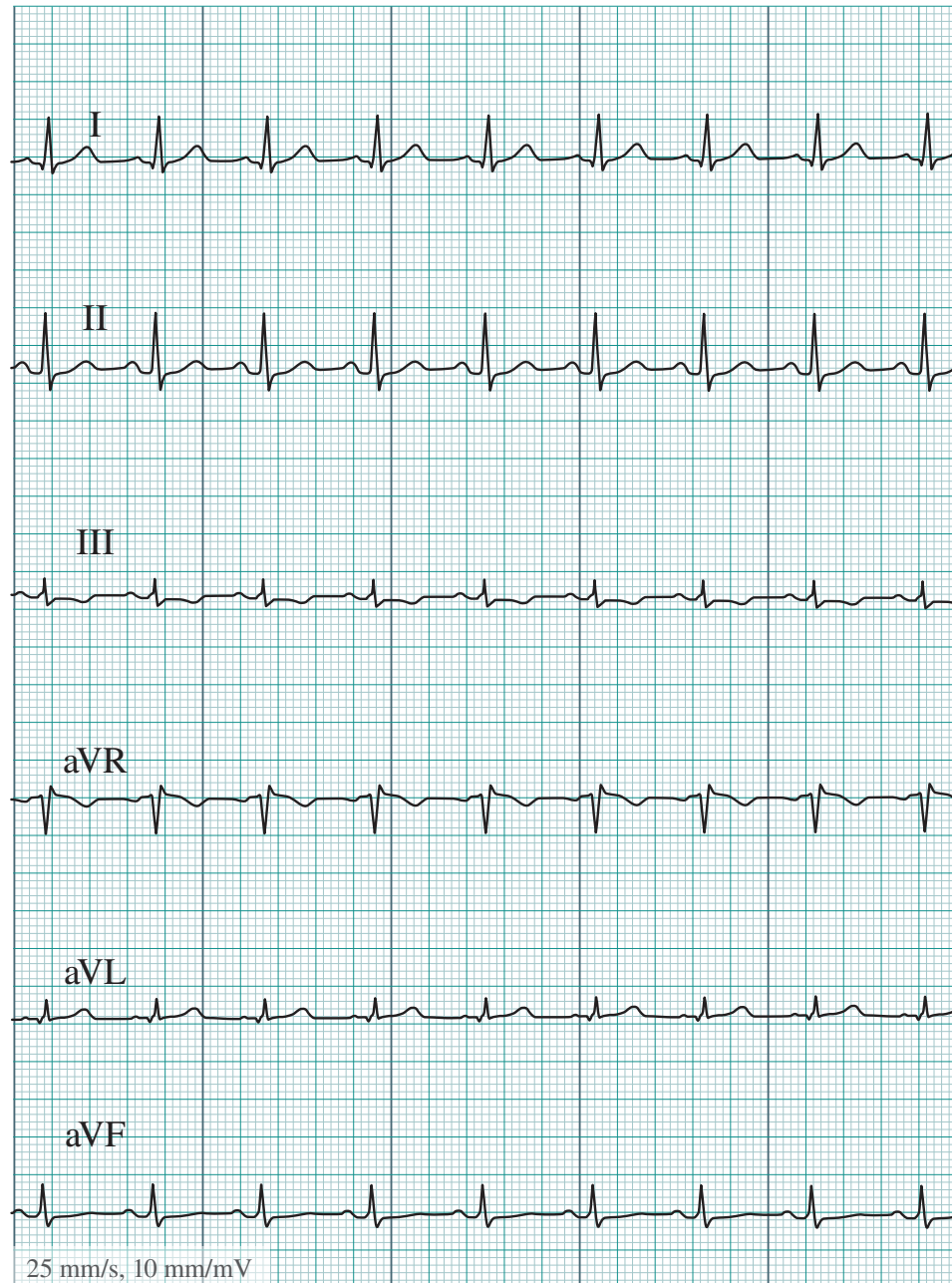
Az anyag bármely részének vagy egészének mindennemű többszörözése kizárólag a szerkesztők és a Semmelweis Kiadó előzetes írásbeli engedélye alapján jogszerű.

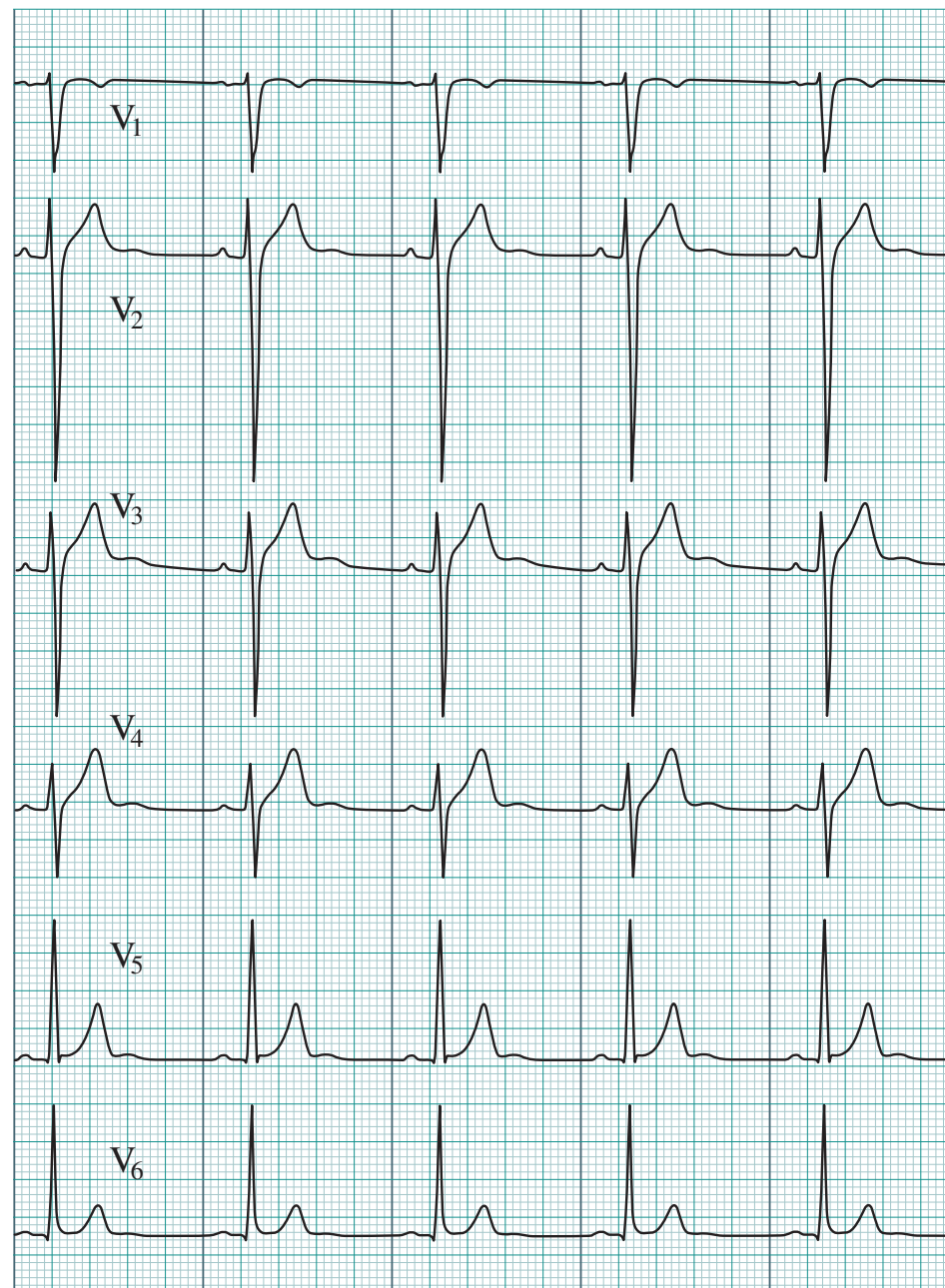
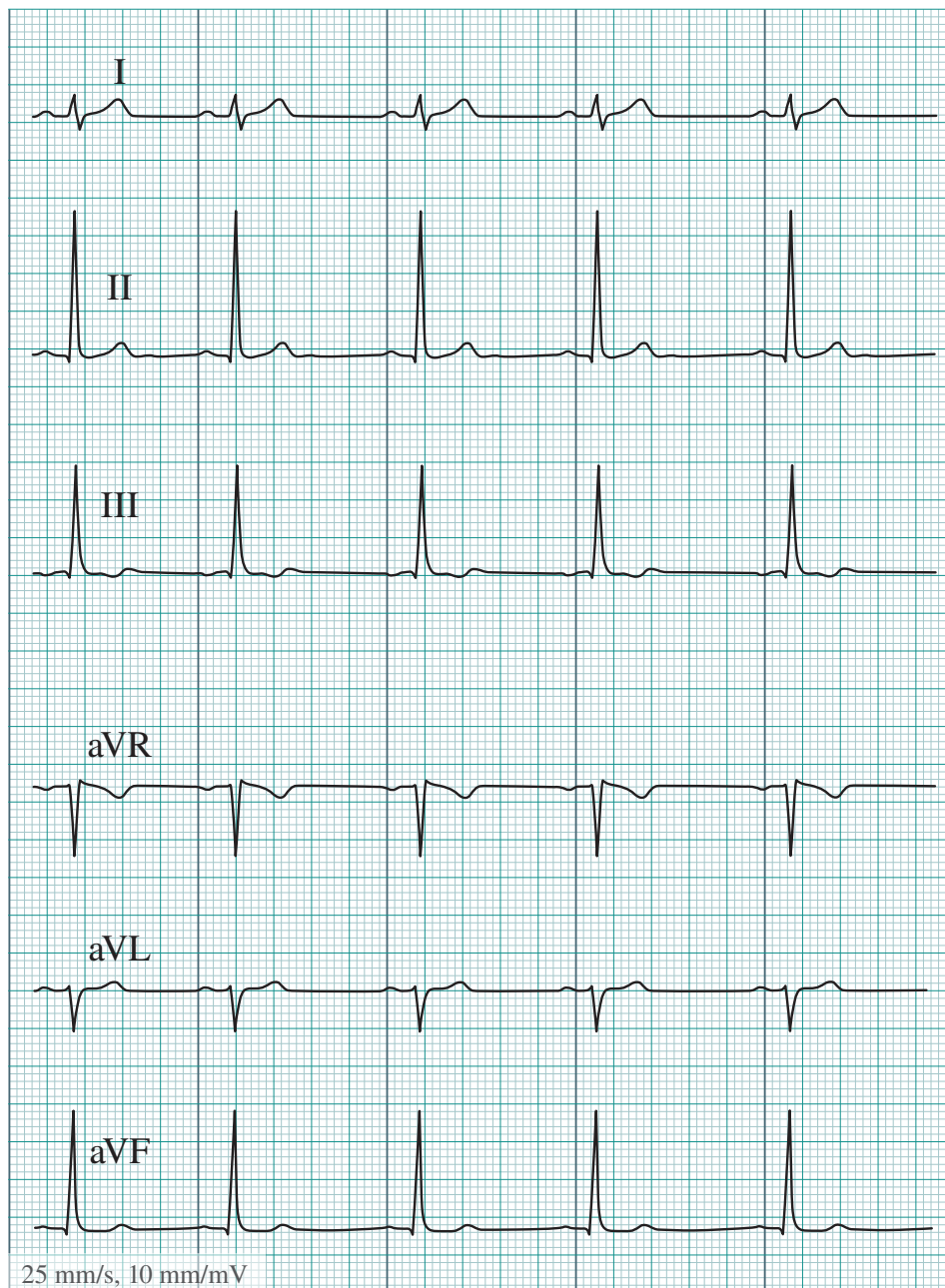
Tartalom

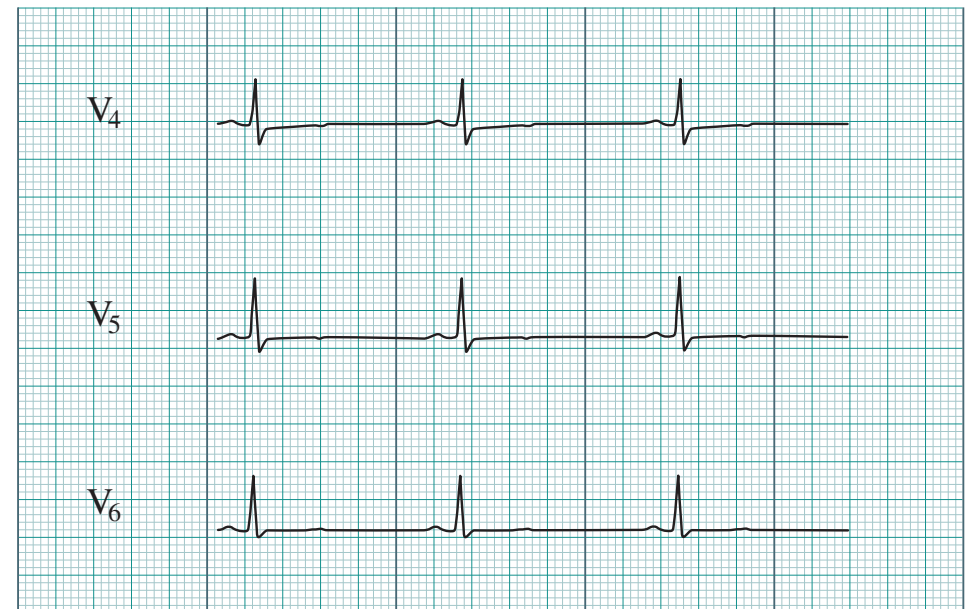
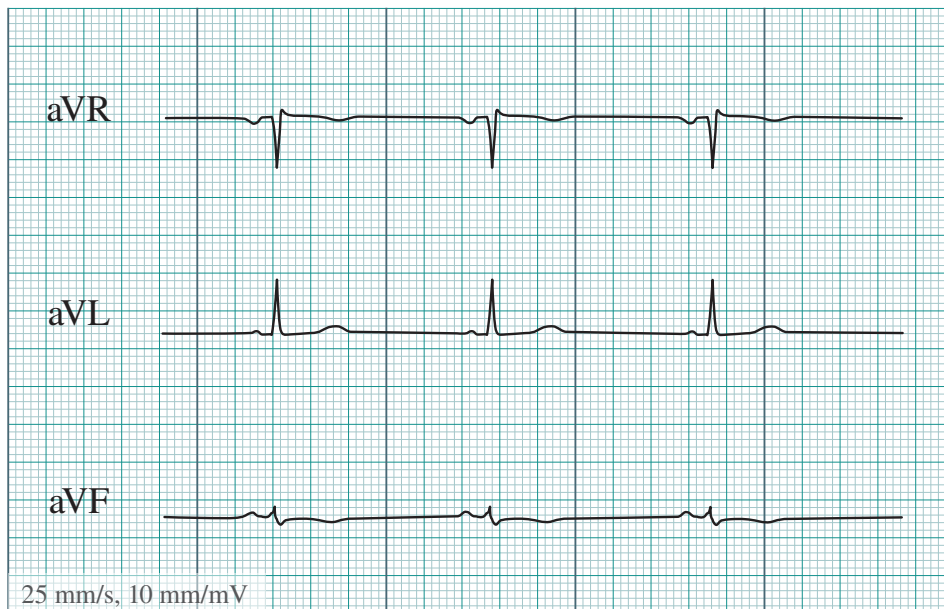
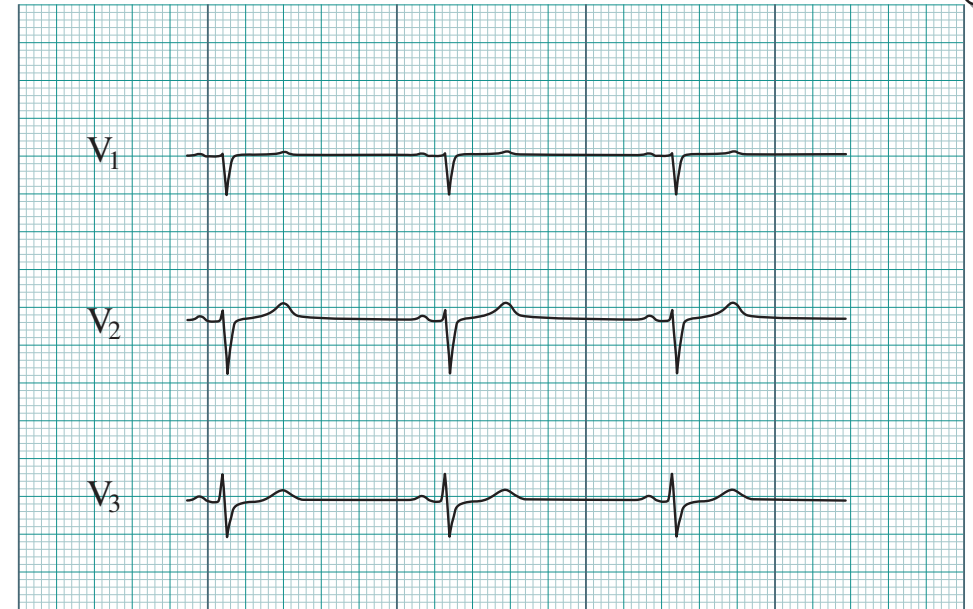
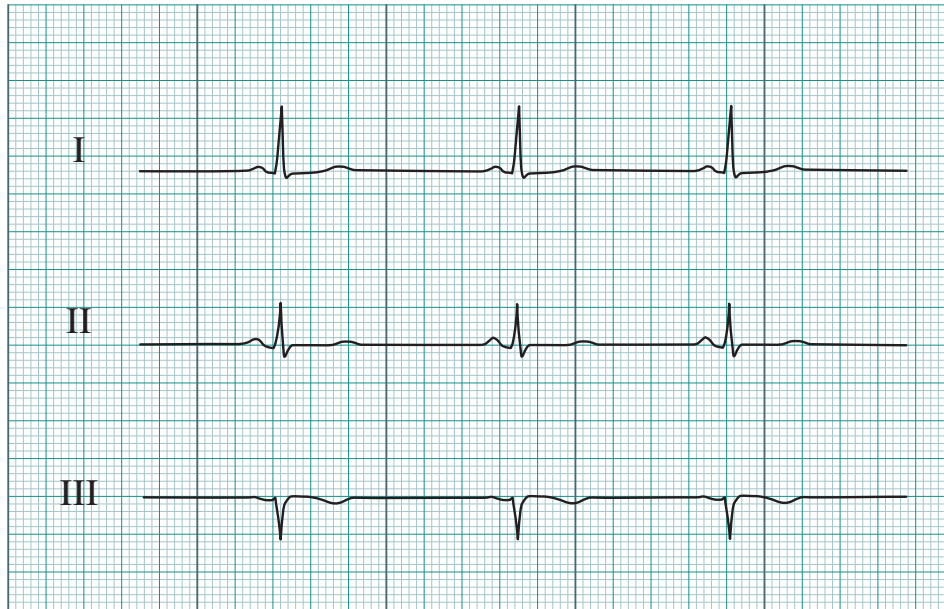
- E01 Szabályos EKG görbe
- E02 Szabályos görbe (QRS kb. 45°) + sinus tachycardia
- E03 Szabályos görbe (QRS kb. 80° , meredek tengelyállás)
- E04 Szabályos görbe (QRS kb. 10°) + sinus bradycardia, lapos T-hullámok
- E05 A QRS-tengely változása légzés hatására harántállású szíven (0° – 30°)
- E06 Sinus tachycardia. Frekvencia: kb. 120/perc
- E07 Sinus bradycardia. Frekvencia: kb. 50/perc
- E08 Légzési arrhythmia (QRS kb. 90° , meredek tengelyállás)
- E09 Sinus leállás junctionalis pótütéssel
- E10 Szinuszcsozó betegség (Sick Sinus Syndrome): sinus bradycardia, intermittáló pitvarlebegés AV-blokkal
- E11 Pitvari ES-ek változó PQ-val és aberráns kamrai vezetéssel
- E12 Többgócú pitvari tachycardia
- E13 Pitvarfibrilláció aberránsan vezetett kamrai ütésekkel, tachyarrhythmia
- E14 Pitvarfibrilláció, arrhythmia absoluta
- E15 Pitvarlebegés
- E16 Junkcionális (vagy pitvari) ES-ek quadrigemin elrendeződésben
- E17 Junctionalis póttritmus (mesonodalis ütések), frekvencia kb. 40/min)
- E18 Junctionalis acceleratio (supranodalis ütések)
- E19 Junctionalis acceleratio (infranodalis ütések)
- E20 Junctionalis reentry tachycardia, frekvencia 150/perc
- E21 Kamrai bigemin ES-ek (bigeminia)
- E22 Kompenzált kamrai ES-ek (3:1, trigeminia)
- E23 Kompenzált kamrai ES-ek (4:1, quadrigeminia), sinus tachycardia
- E24 Rövid kamrai extrasystole sorozatok
- E25 Kamrai bigeminiát követő nem tartós kamrai tachycardia
- E26 Repetitív kamrai tachycardia helyenként retrográd vezetéssel a pitvarokra
- E27 Kamrai tachycardia
- E28 Kamrai tachycardia
- E29 Hosszú QT szindróma (QT=0,56 s, Qtc=0.50s)
- E30 Torsade de pointes típusú polimorf kamrai tachycardia
- E31 Kamralebegés
- E32 Kamralebegés, majd fibrilláció, majd szívmegállás
- E33 Kamrai parasystolia, fúziós ütések
- E34 I-fokú AV-blokk (PQ kb. 0.33 s)
- E35 II-fokú AV-blokk, Mobitz I típus (Wenckebach) 4:3 átvezetéssel, az első ciklusban jól megfigyelhető az RR-távolság rövidülése
- E36 II-fokú AV-blokk. Mobitz II
- E37 II-fokú 2:1 AV-blokk
- E38 III-fokú AV-blokk
- E39 III-fokú AV-blokk, kamrai póttritmus
- E40 Magas fokú AV-blokk. Az 1. QRS fúziós ütés, a 4. kamrai befogás (capture)
- E41 II-fokú sinuauricularis (SA-) blokk, Mobitz I típus
- E42 II-fokú SA-blokk, Mobitz II típus
- E43 Komplet jobb-Tawara-szár-blokk (QRS kb. 0.12 s)
- E44 Komplet bal-Tawara-szár-blokk (QRS kb. 0.12 s)
- E45 Frekvenciadependens bal-Tawara-szár-blokk
- E46 Bal anterior hemiblokk (QRS kb. -50°), pitvari extrasystole
- E47 Erős jobb deviáció (QRS kb. 100°) I-fokú AV-blokk, jobbkamra-hypertrophia gyanúja
- E48 Bal posterior fasciculus blokk + inkomplet jobb-Tawara-szár-blokk
- E49 Kamrai preexcitáció (WPW)
- E50 Kamrai preexcitáció (WPW), széles QRS-sel járó tachycardia, junctionalis pótütés, majd sinus ritmus
- E51 Alternáló kamrai preexcitáció (WPW)

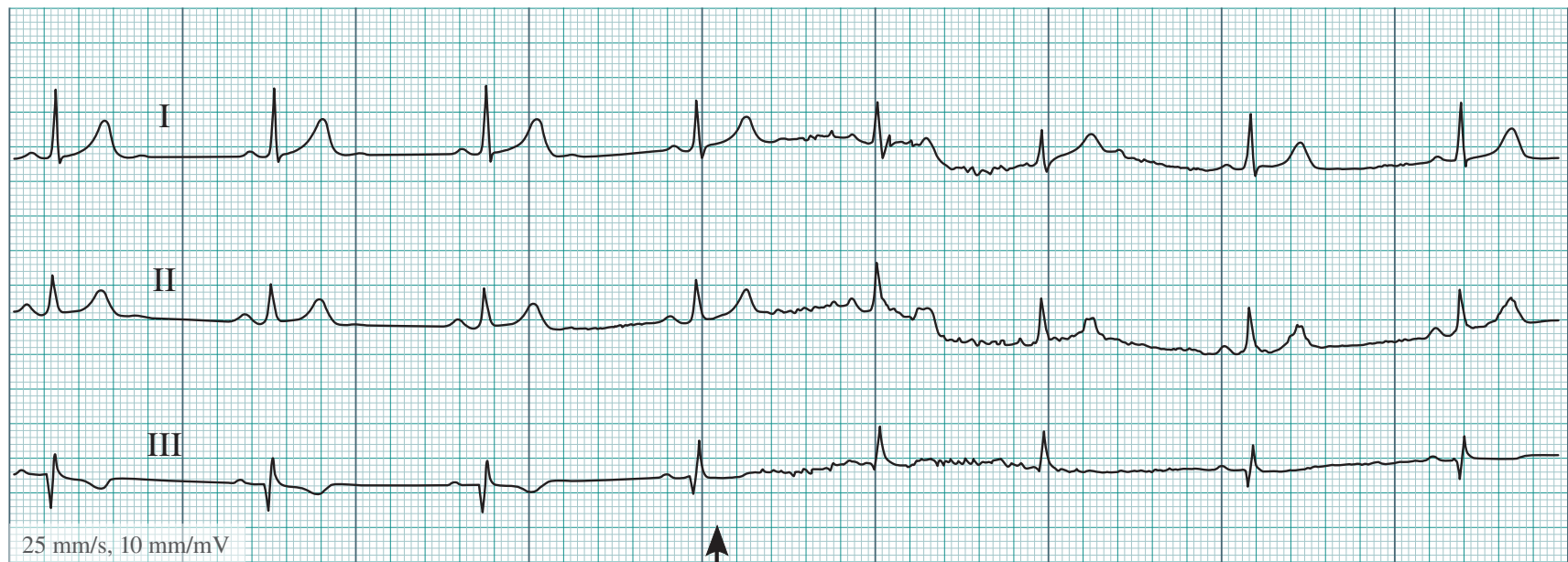
- E52 Rövid PQ, keskeny QRS + pitvari ES + bal anterior fasciculus blokk
- E53 Hypokalaemia
- E54 Hyperkalaemia
- E55 Digitálisztatás jelei
- E56 Bal kamrai systolés terhelés (strain)
- E57 Balkamra-hypertrophia
- E58 Jobbkamra-hypertrophia
- E59 P mitrale
- E60 P mitrale, meredek tengelyállás
- E61 P pulmonale
- E62 Subendocardialis ischaemia
- E63 Hiperakut extenzív anterior infarctus, R-redukció, tükrökép jelenség az inferior elvezetéseken
- E64 Akut extenzív anterior infarctus, tükrökép jelenség az inferior elvezetéseken, P pulmonale
- E65 Akut extenzív anterior infarctus
- E66 Elsőfali infarctus (R-redukció a V3-ban) + sinus tachycardia + sajka ST
- E67 Szubakut elsőfali infarctus
- E68 Szubakut laterális infarctus
- E69 Hiperakut, magas laterális infarctus
- E70 Hiperakut inferior infarctus, posterior kiterjedéssel
- E71 Akut inferior infarctus két különböző időpontban
- E72 Régi inferior infarctus
- E73 Inferior és posterior infarctus
- E74 Szubakut posterior infarctus
- E75 Akut inferior, posterior és laterális infarctus
- E76 Extenzív anterior non-Q infarctus (NQMI)
- E77 Hiperakut inferior infarctus pitvarfibrillációval
- E78 Akut extenzív anterior infarctus pitvarfibrillációval
- E79 Szubakut anterior és régi inferior infarctus + I-fokú AV-blokk
- E80 Hiperakut inferior infarctus, Wenckebach típusú, II-fokú AV-blokkal
- E81 Akut inferior infarctus + II-fokú AV-blokk Mobitz I típus
- E82 Akut inferior infarctus + 2:1-es II-fokú AV-blokk
- E83 Hiperakut inferior infarctus + III-fokú AV-blokk junctionalis pótritlussal
- E84 Akut anterior infarctus + jobb-Tawara-szár-blokk + sinus tachycardia
- E85 Akut anterolateralis infarctus + komplett bal-Tawara-szár-blokk
- E86 Pericarditises betegről készült EKG
- E87 Cor pulmonale acutum alatti felvétel (SIQIII szindróma). I-fokú AV-blokk
- E88 Intracraniális vérzés következtében kialakuló, „cerebrális” T-hullámok, hosszú QT szindróma (QT=0,46 s, Qtc=0,52 s)
- E89 Pacemakerrel ellátott beteg EKG-ja (PM a jobb kamrában – bal-Tawara-szár-blokkos QRS)
- E90 Kettős (pitvari és ventricularis) ingerlésű pacemakerrel ellátott beteg EKG-ja



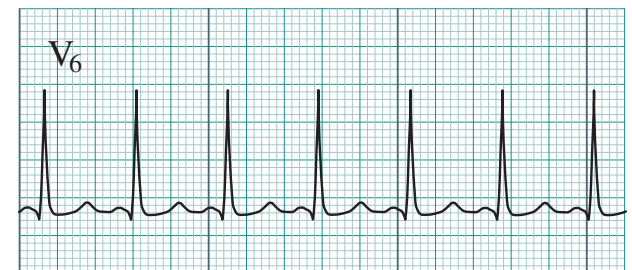
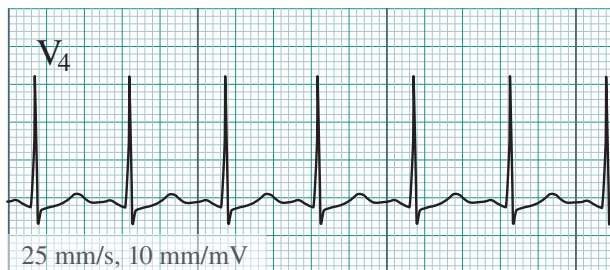
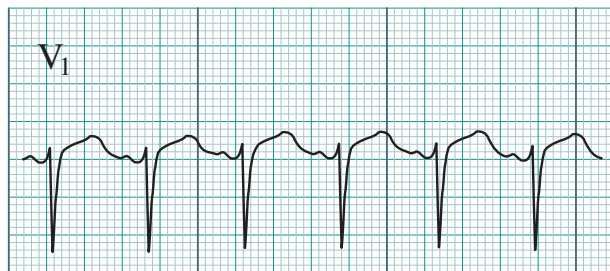
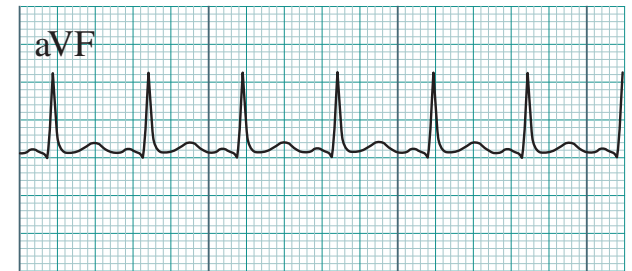
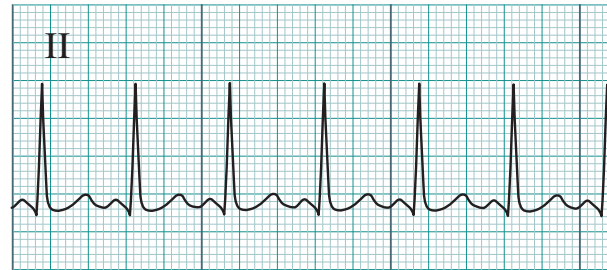


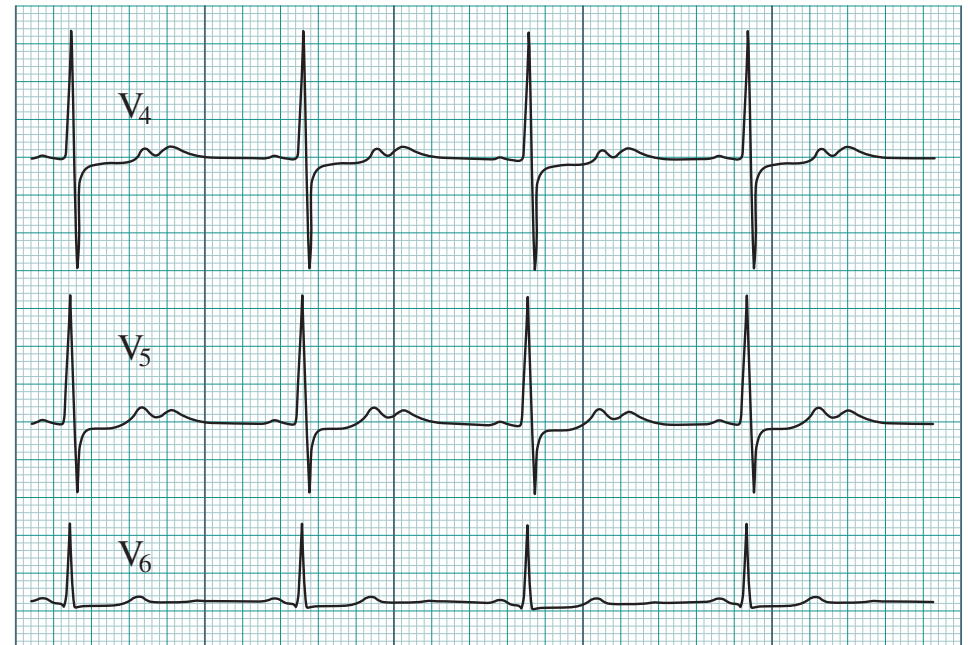
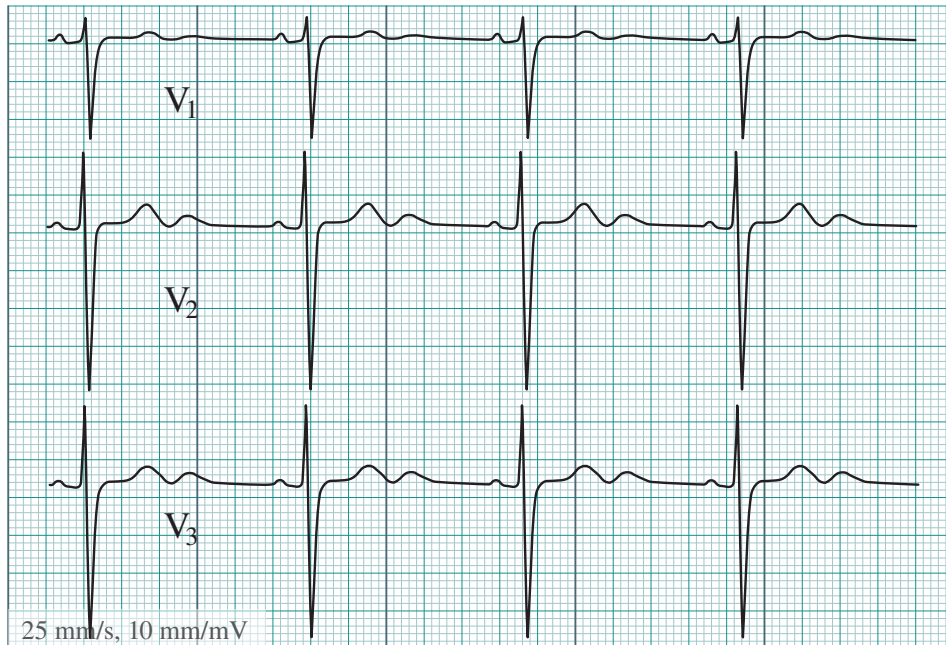
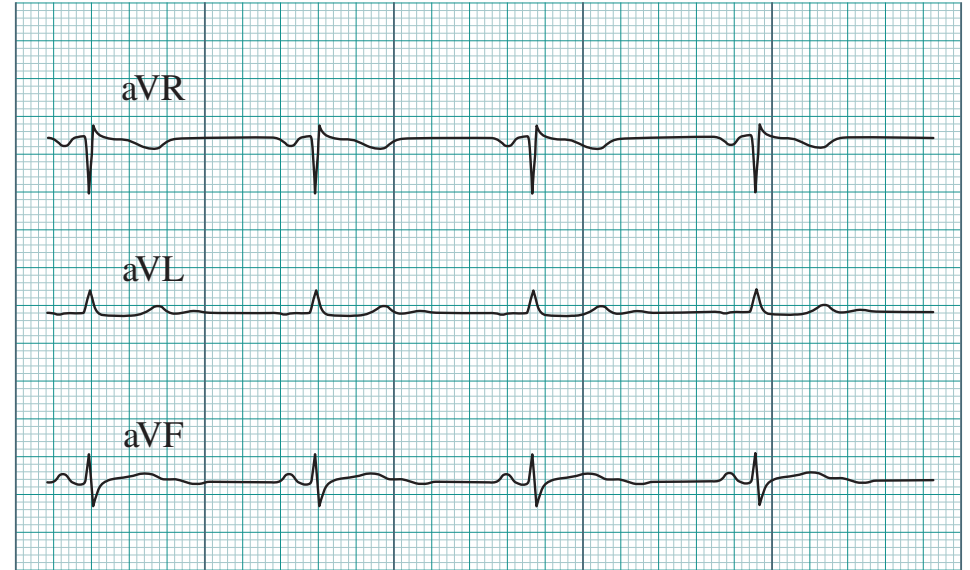
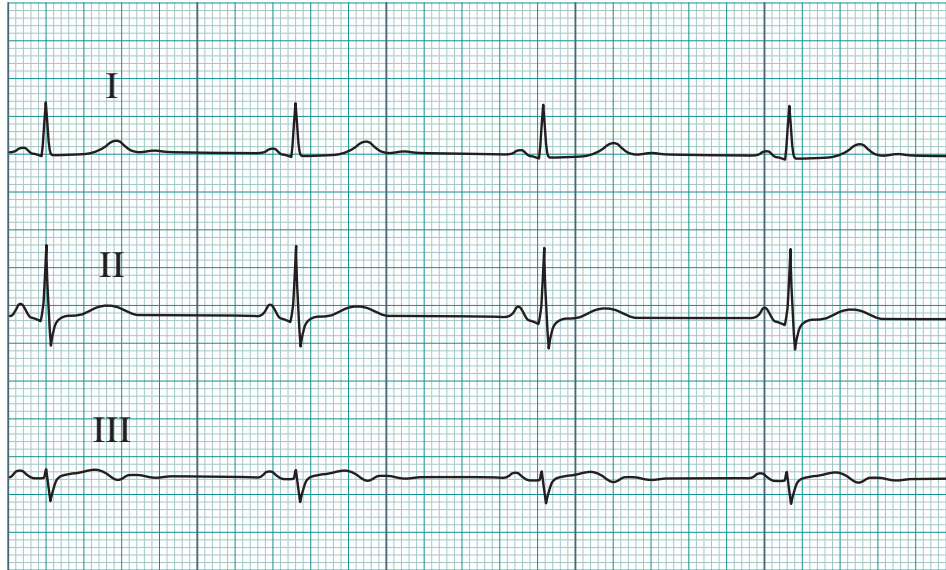


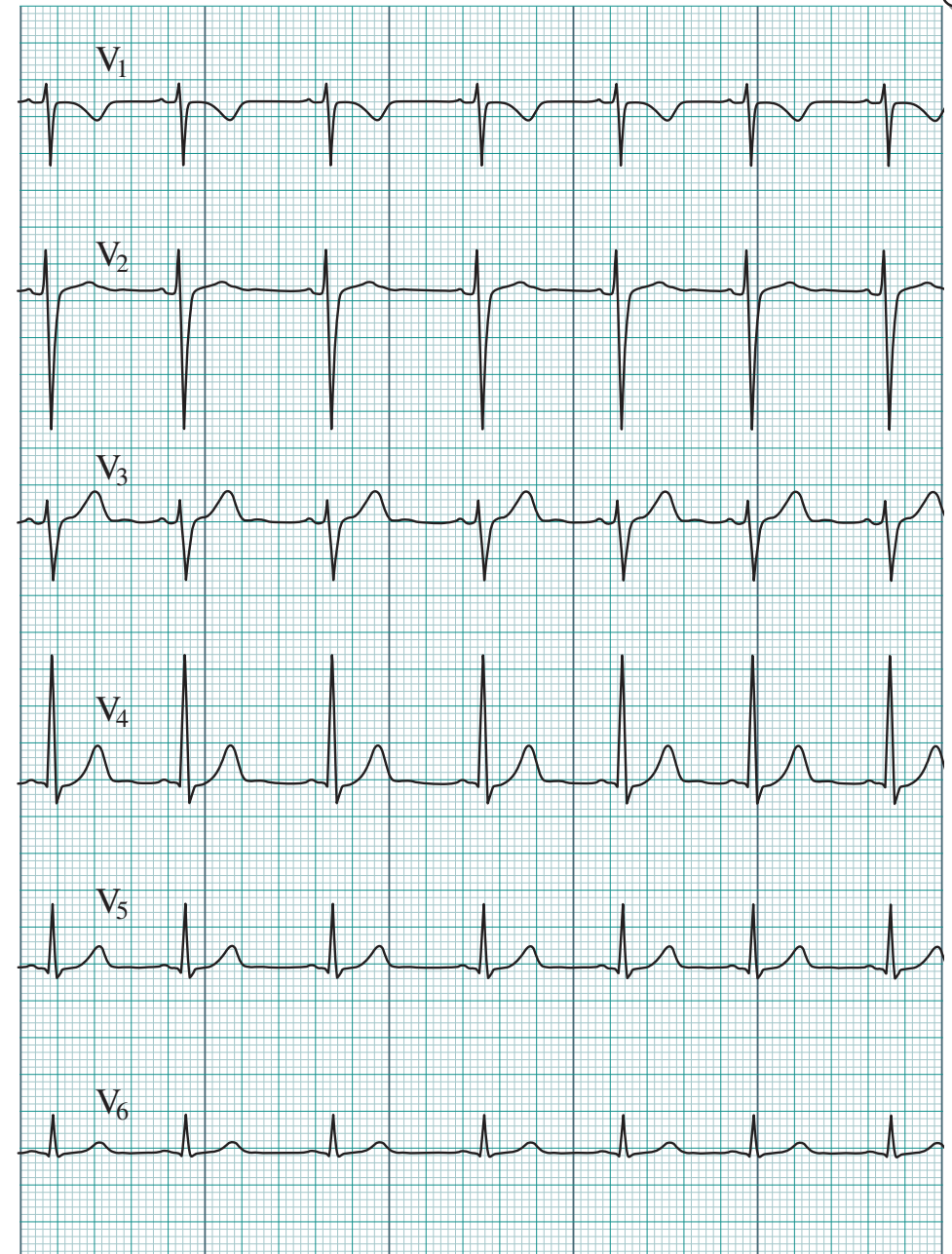
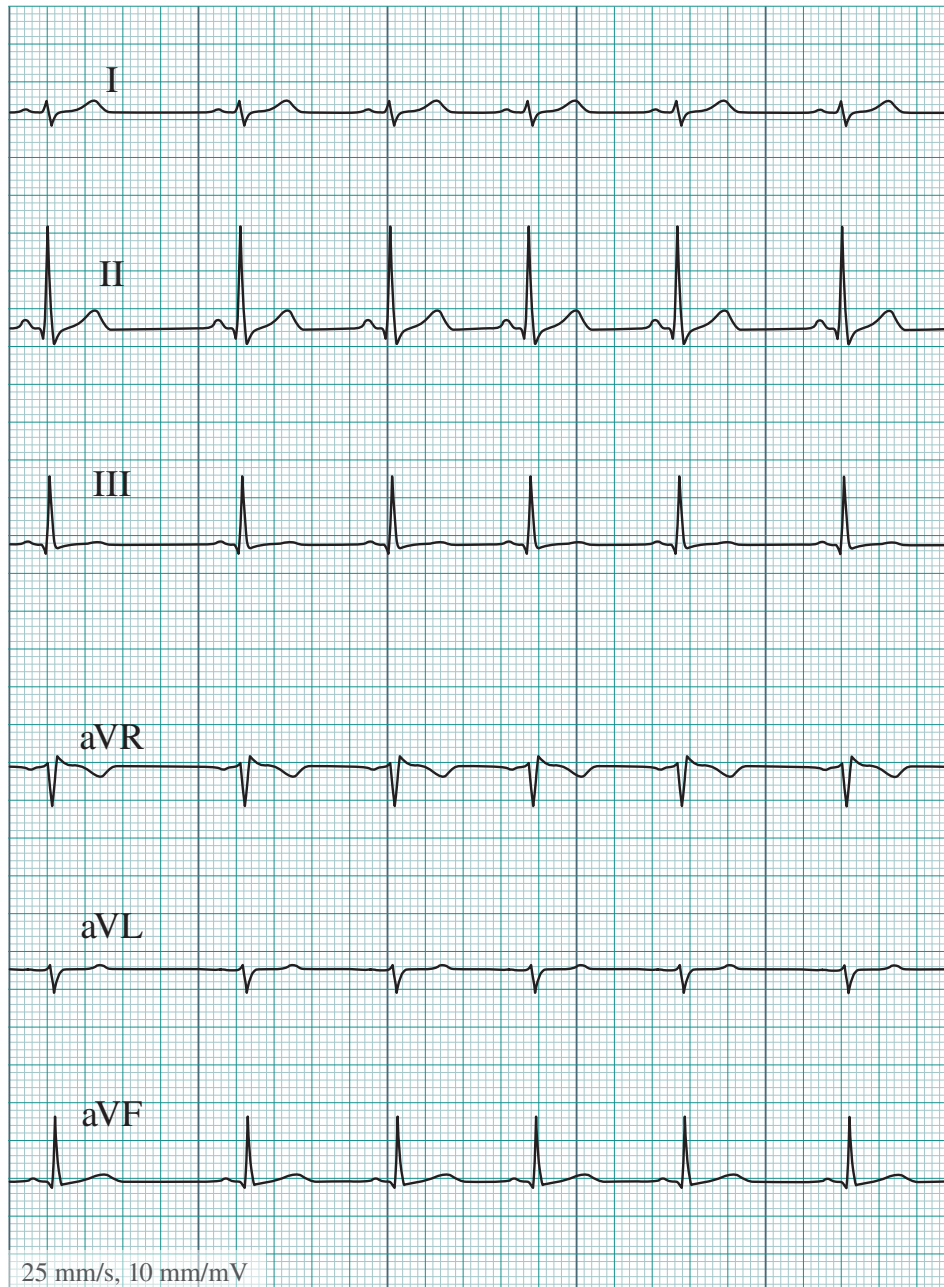




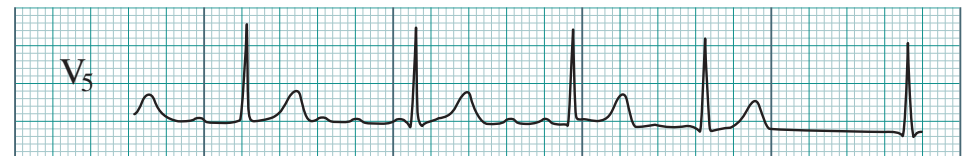
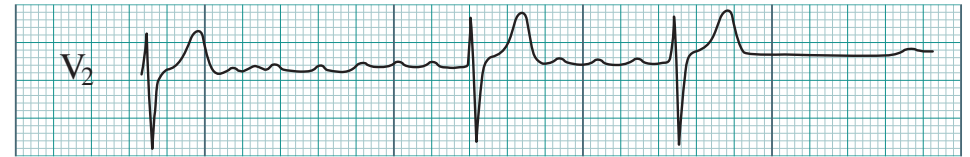
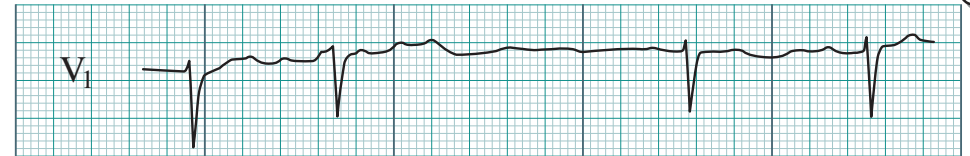
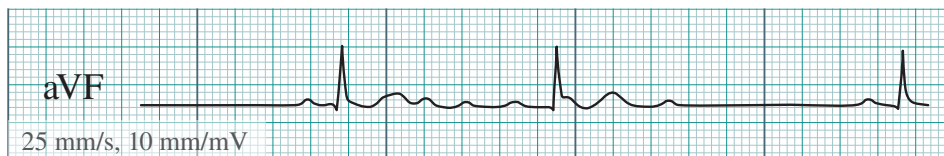
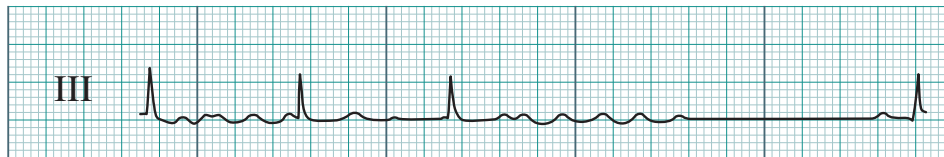
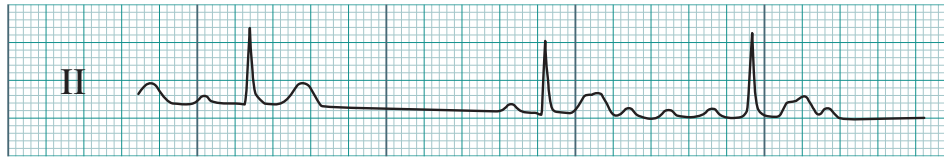
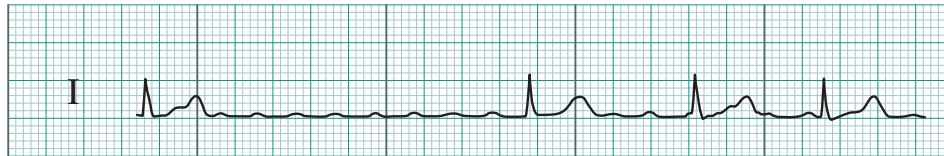
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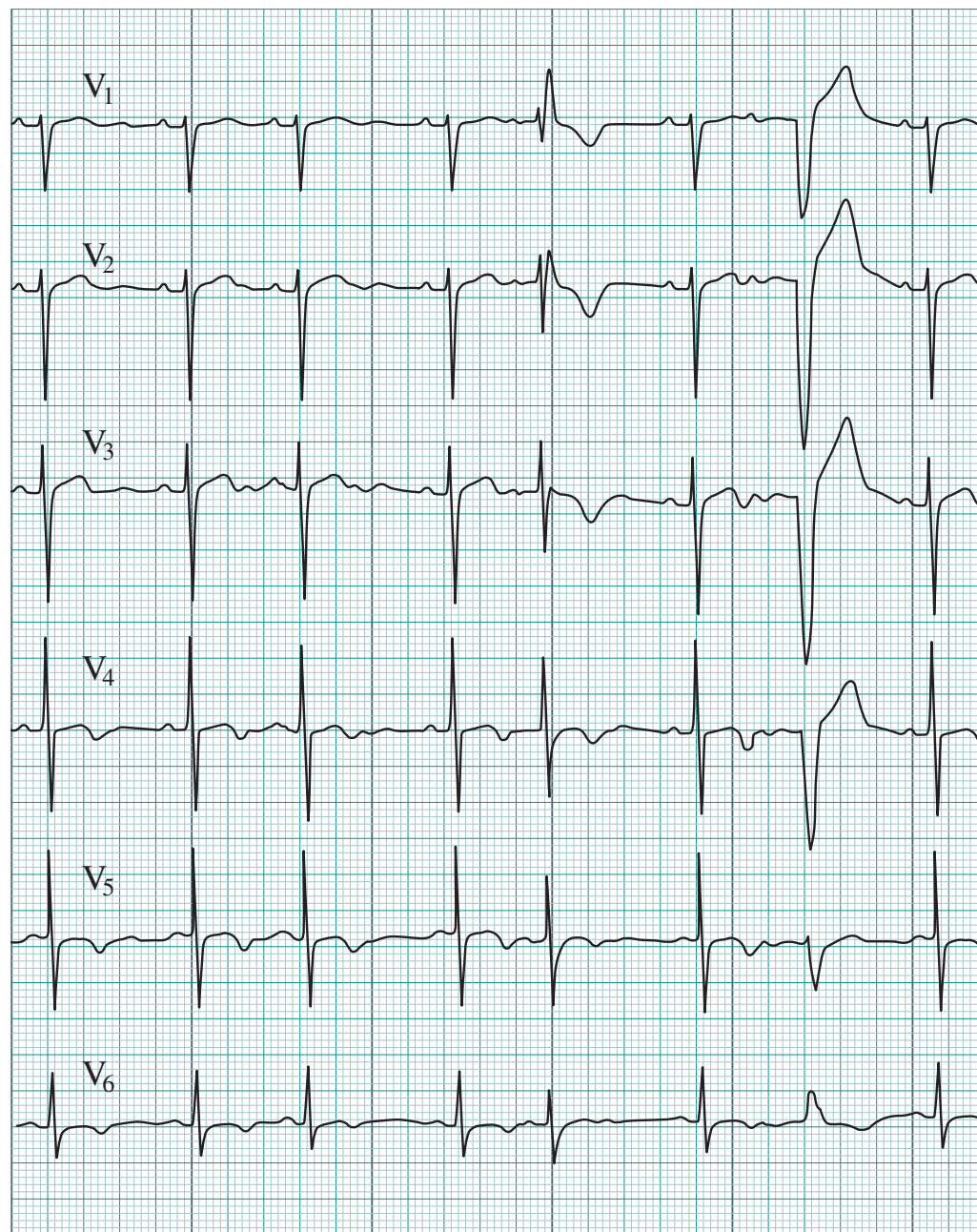
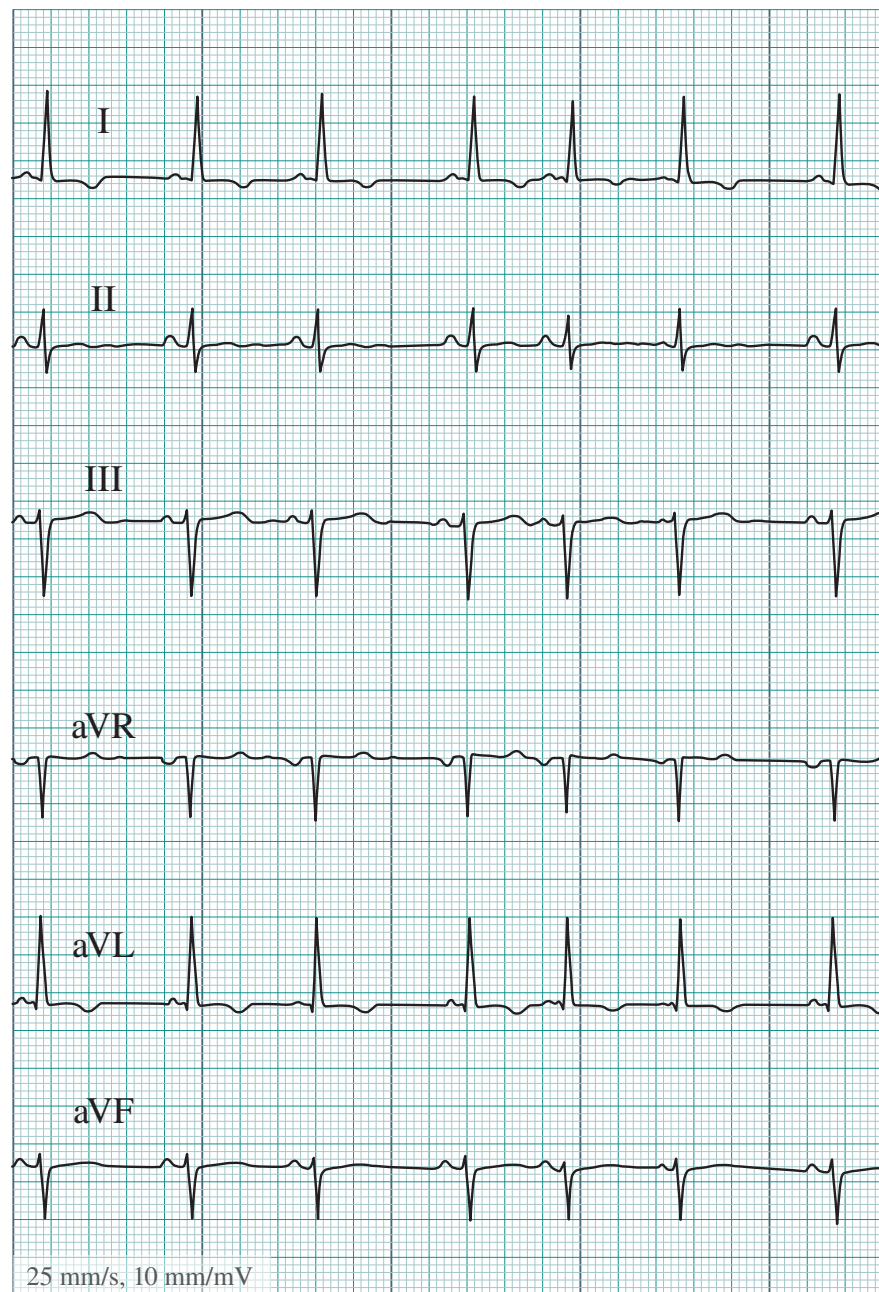


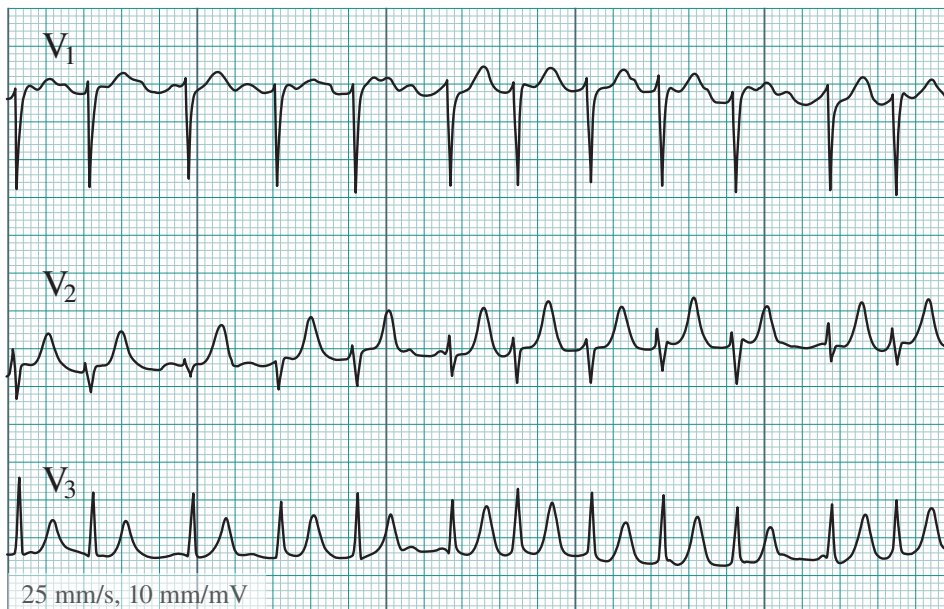
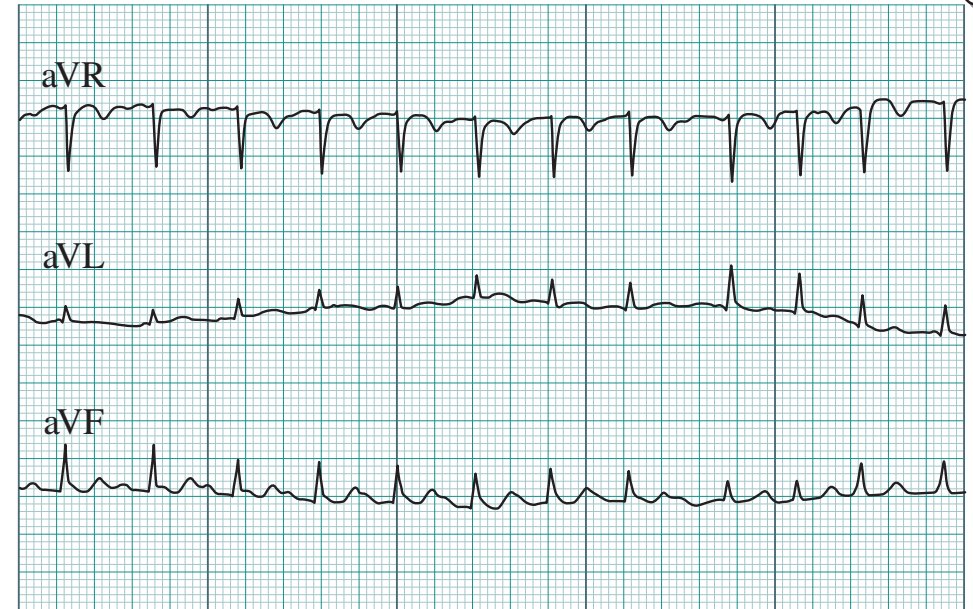


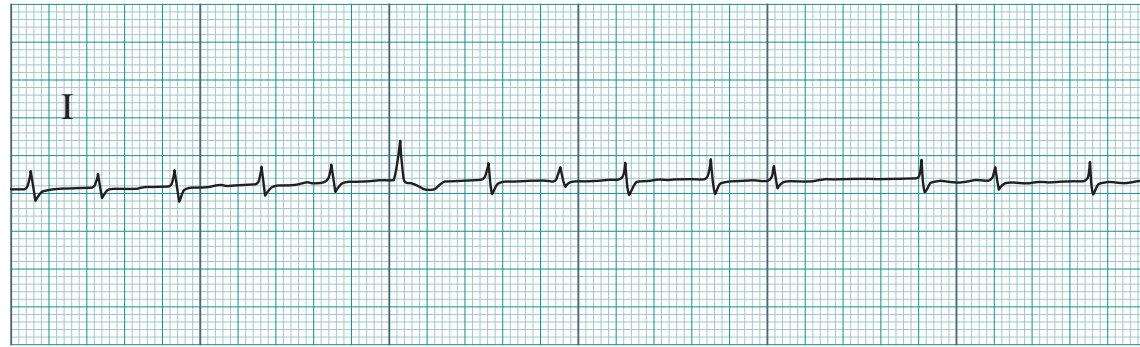


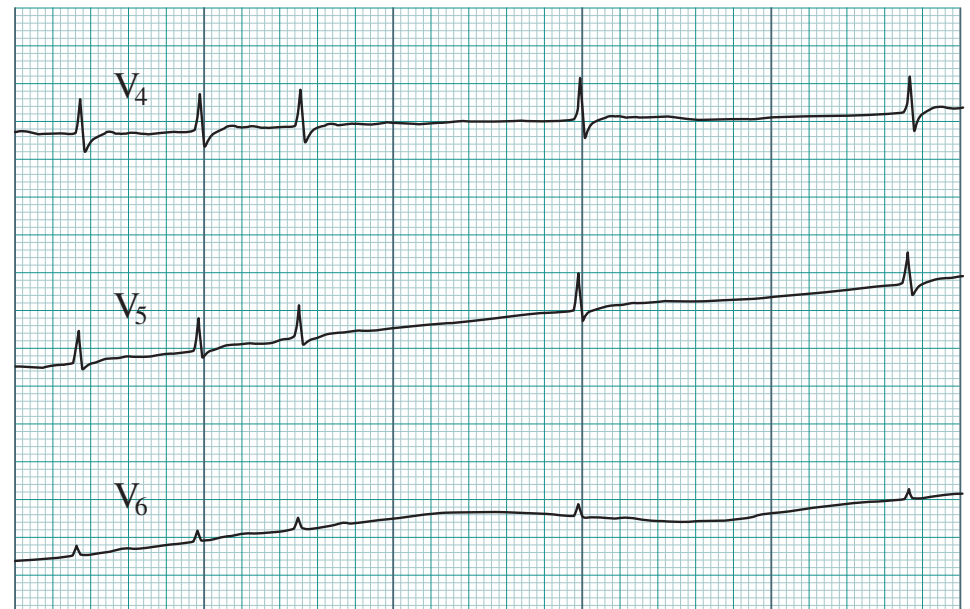
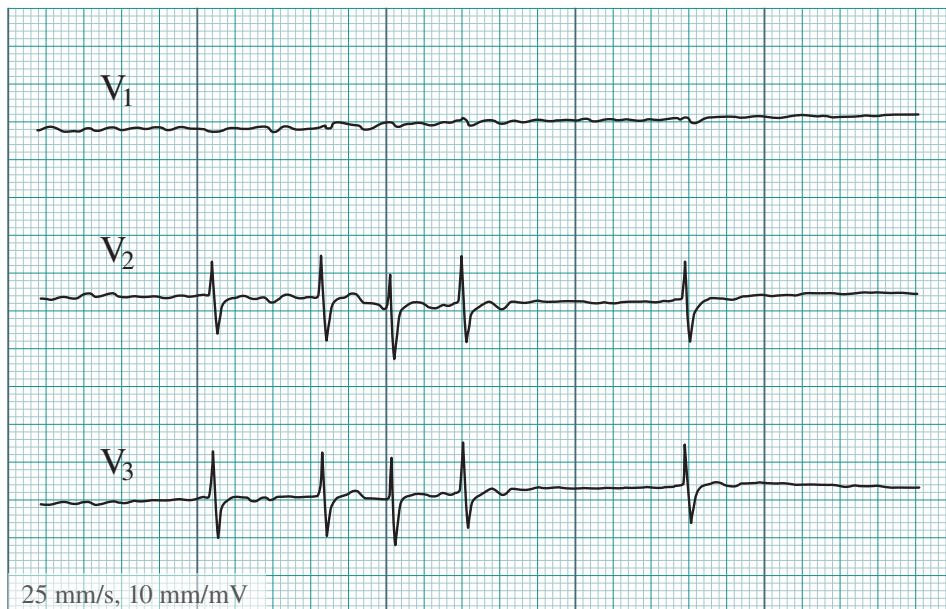
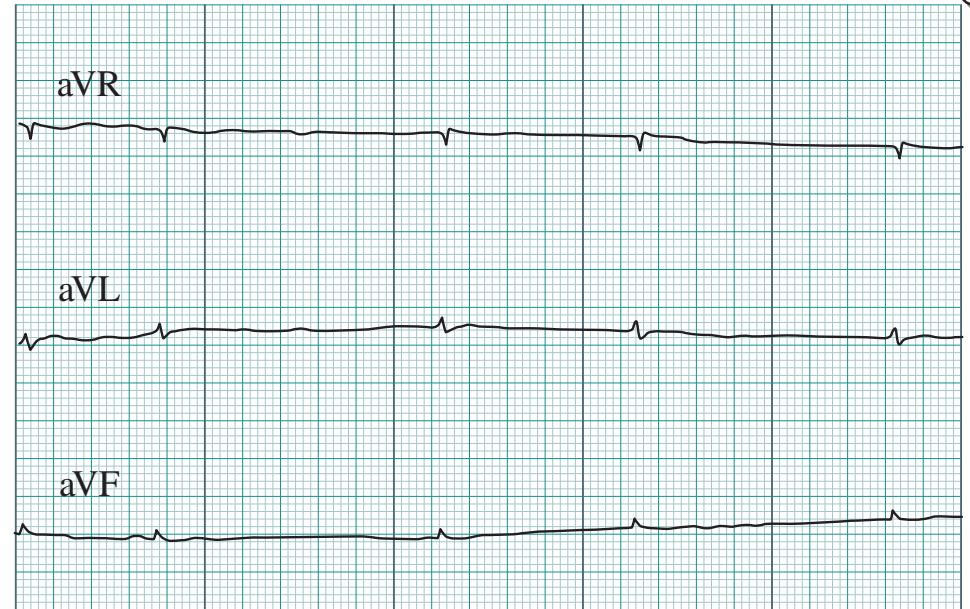
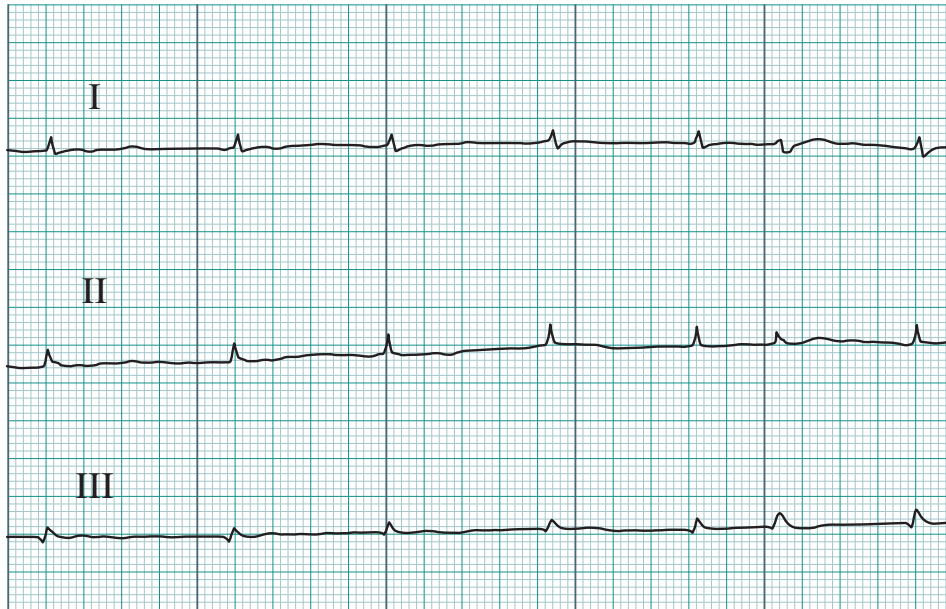


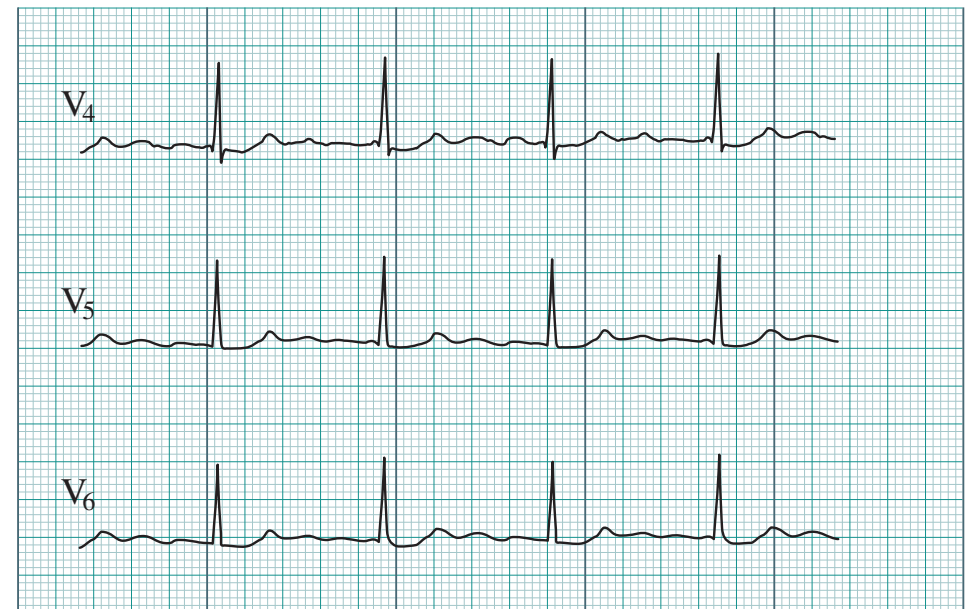
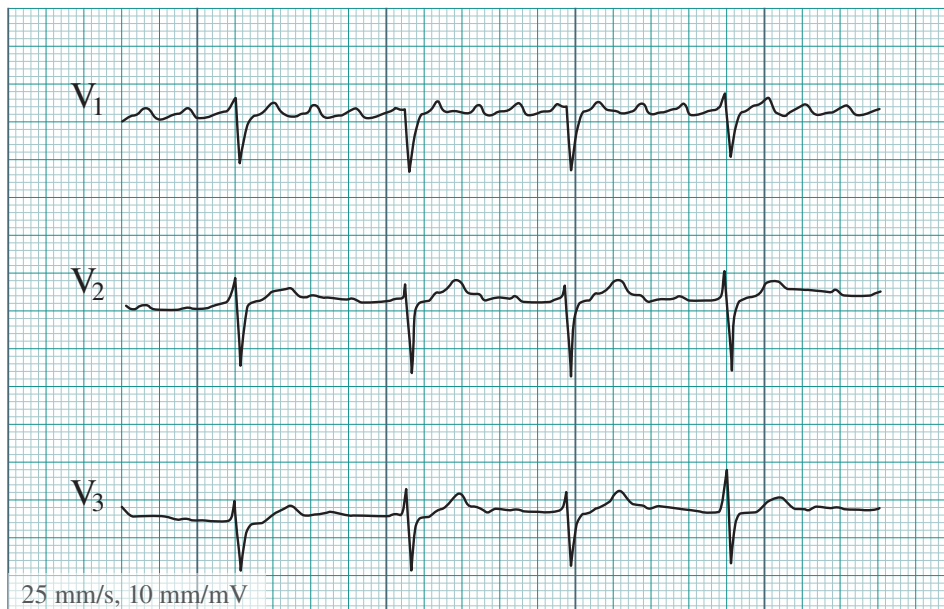
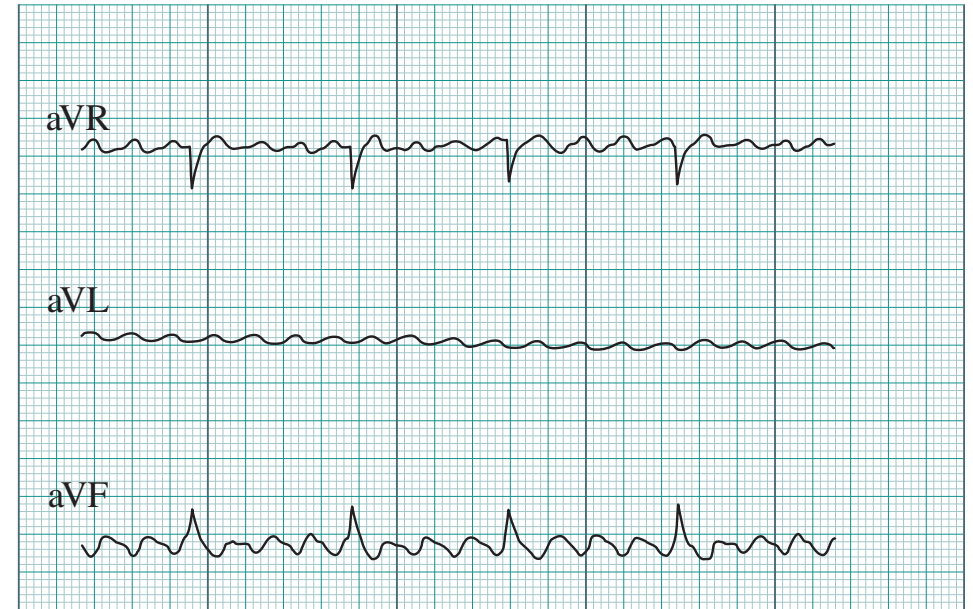
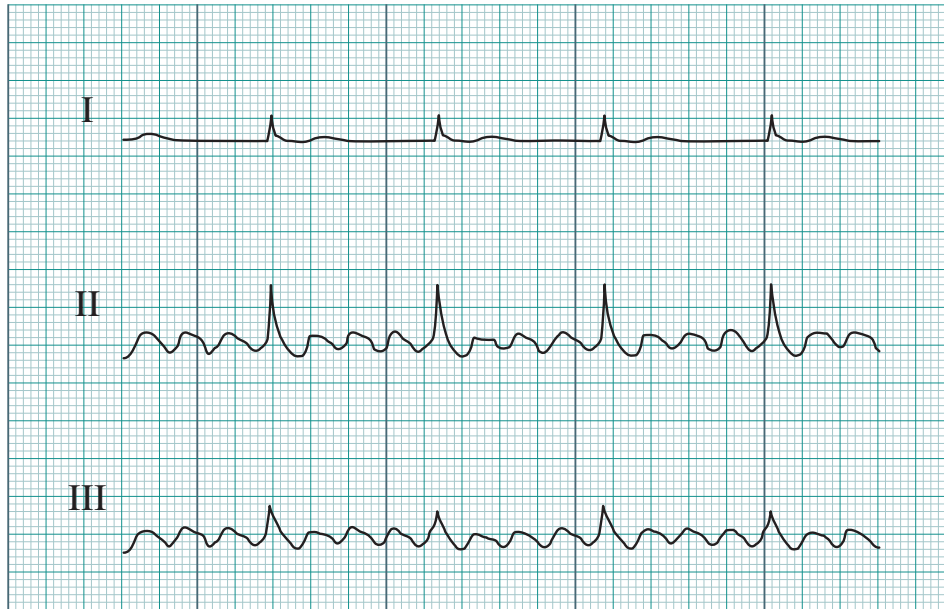


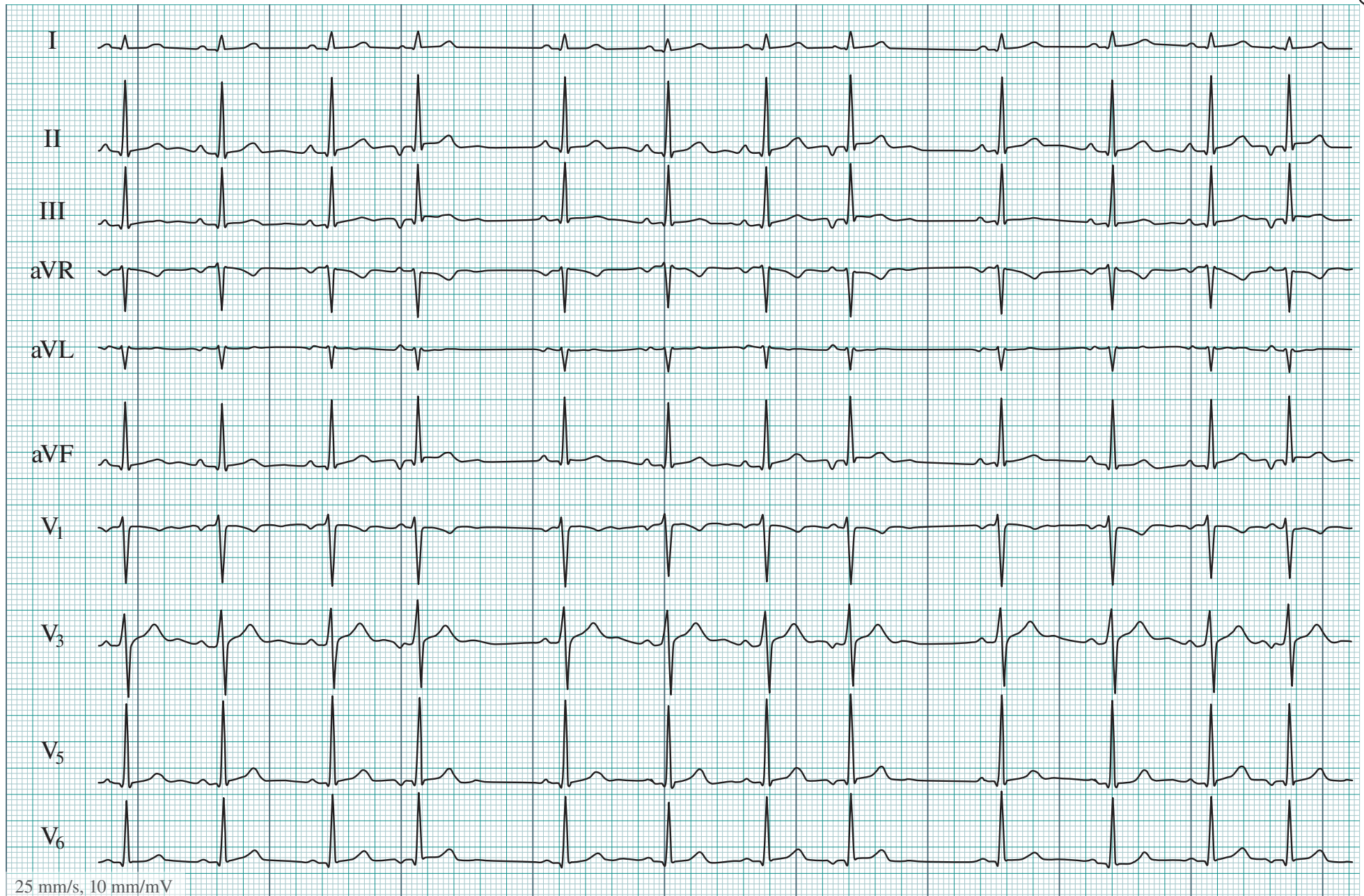


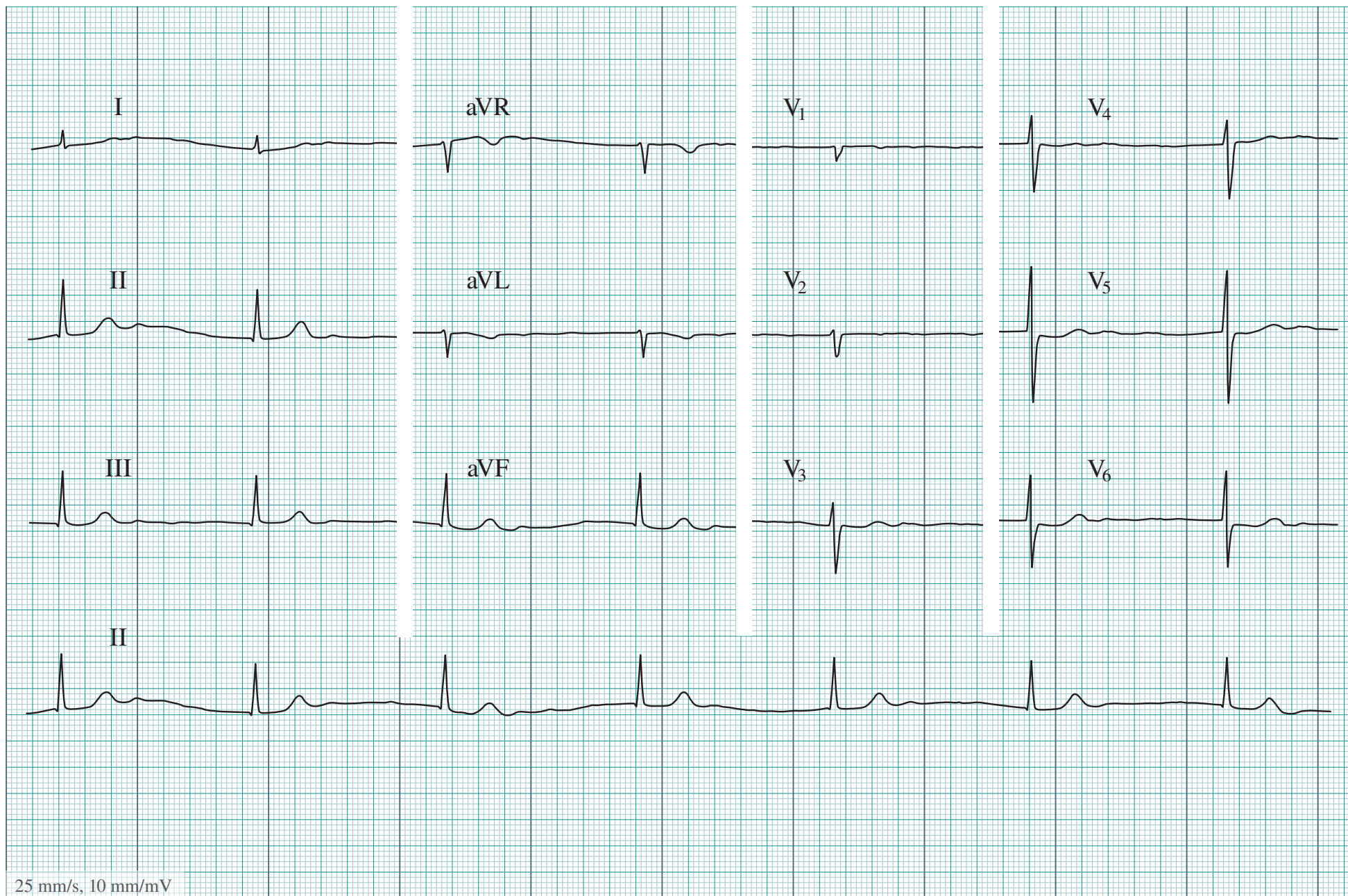


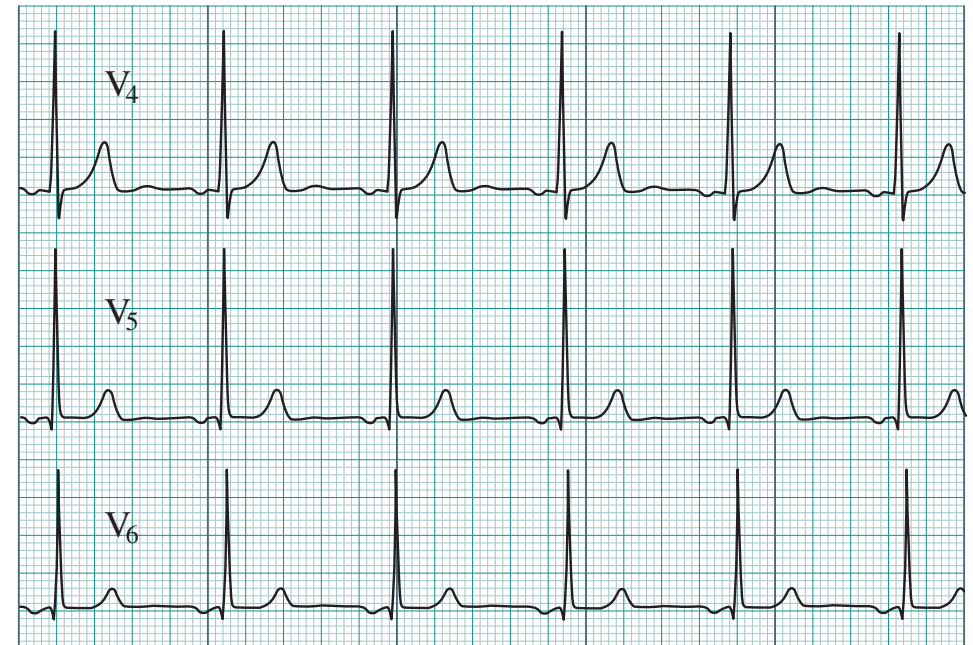
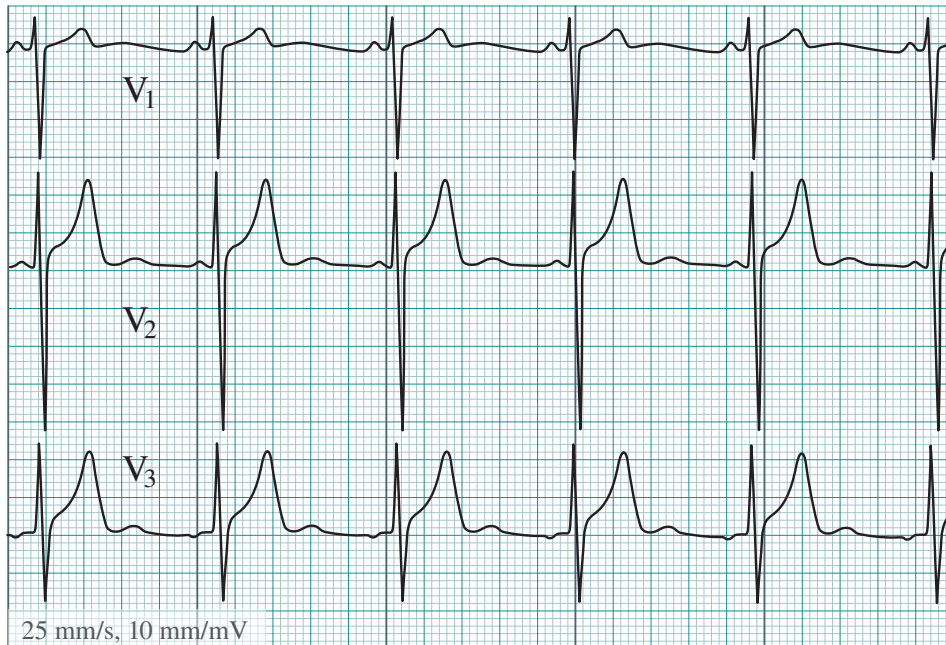
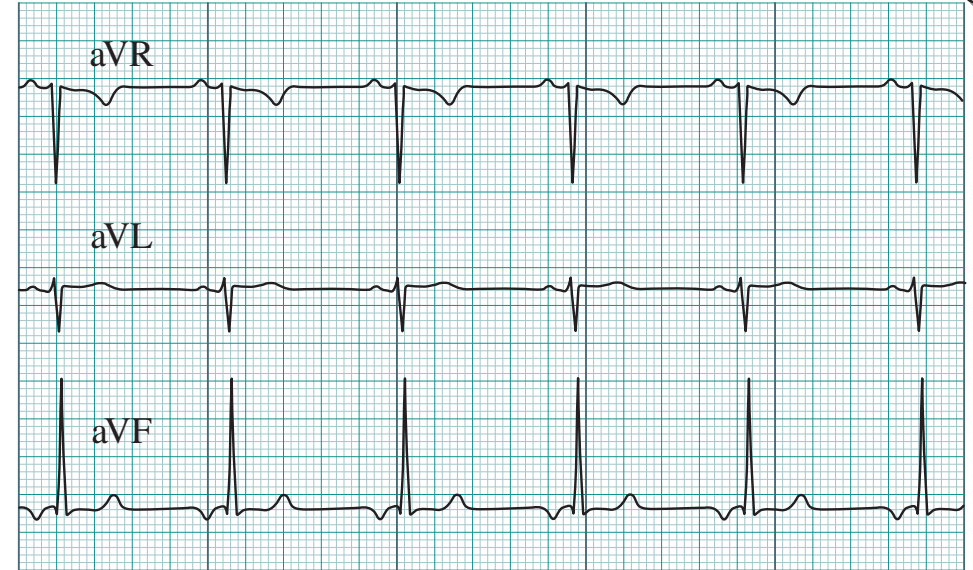


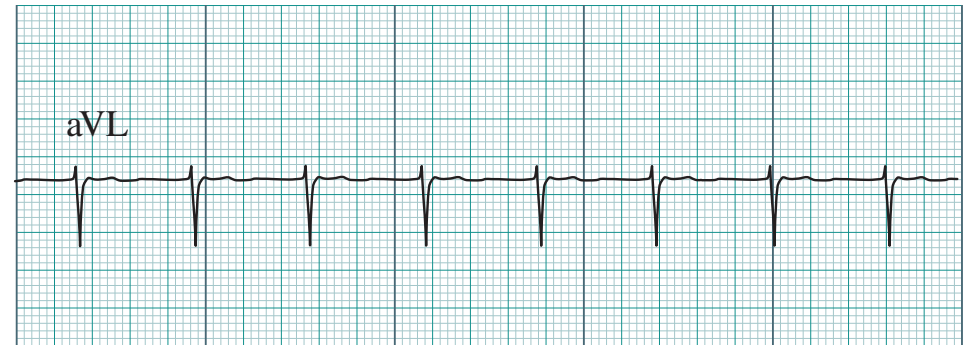
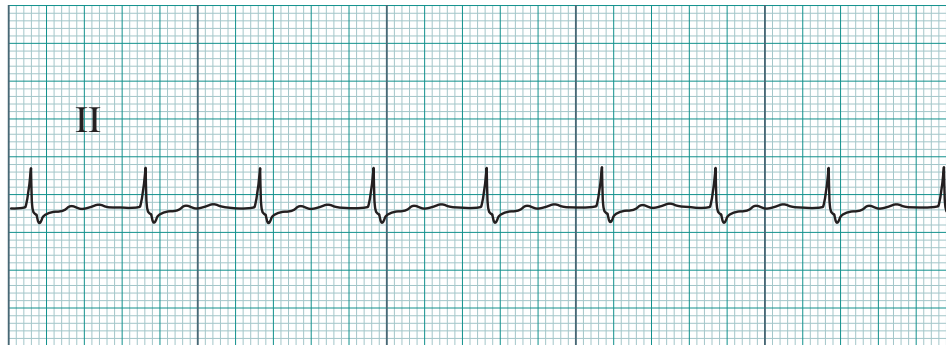
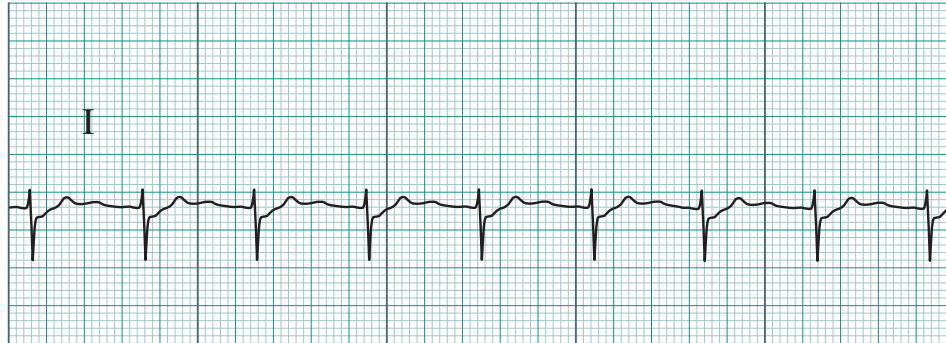


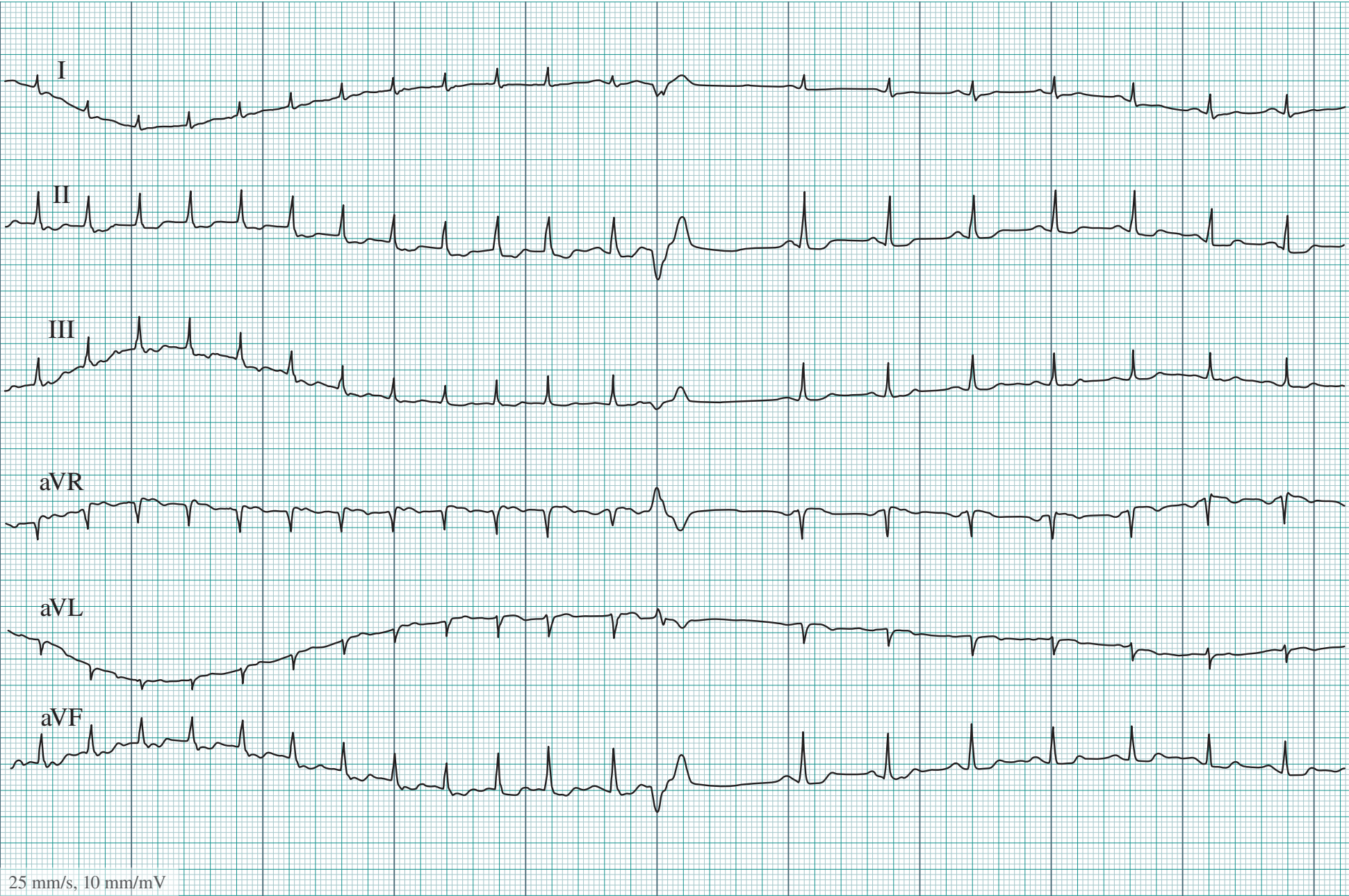








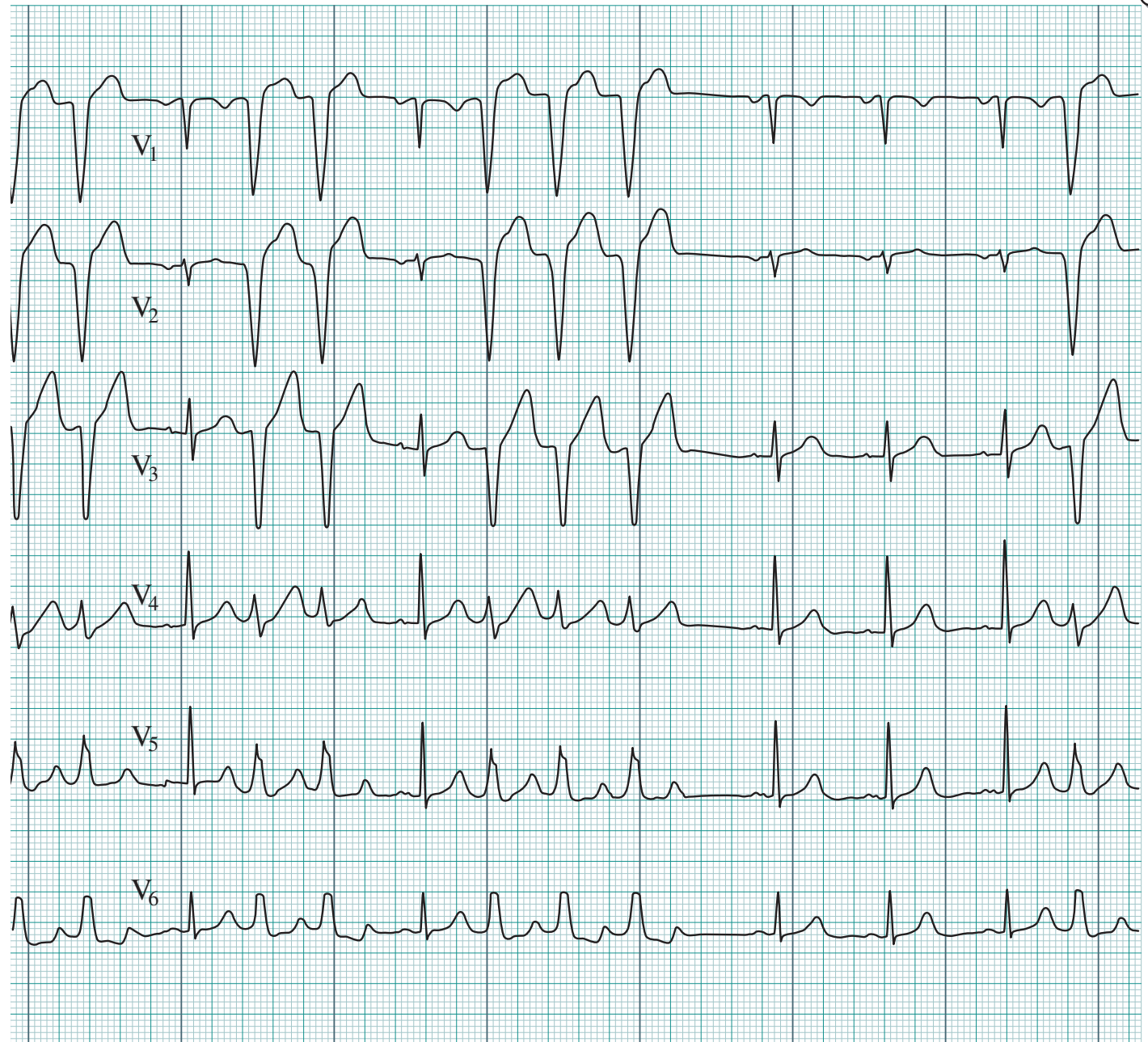
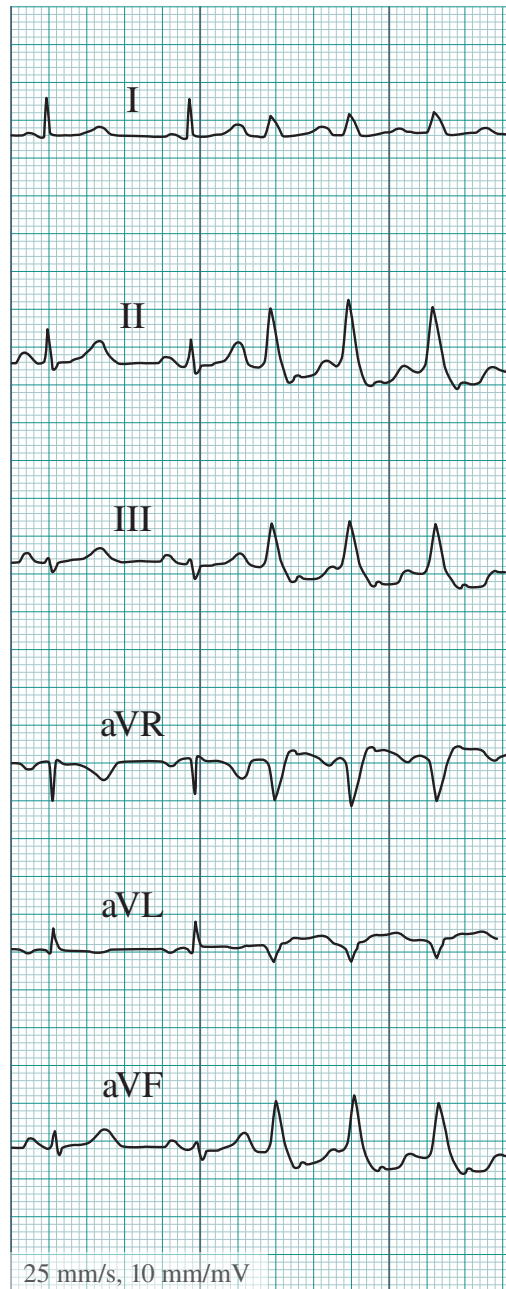


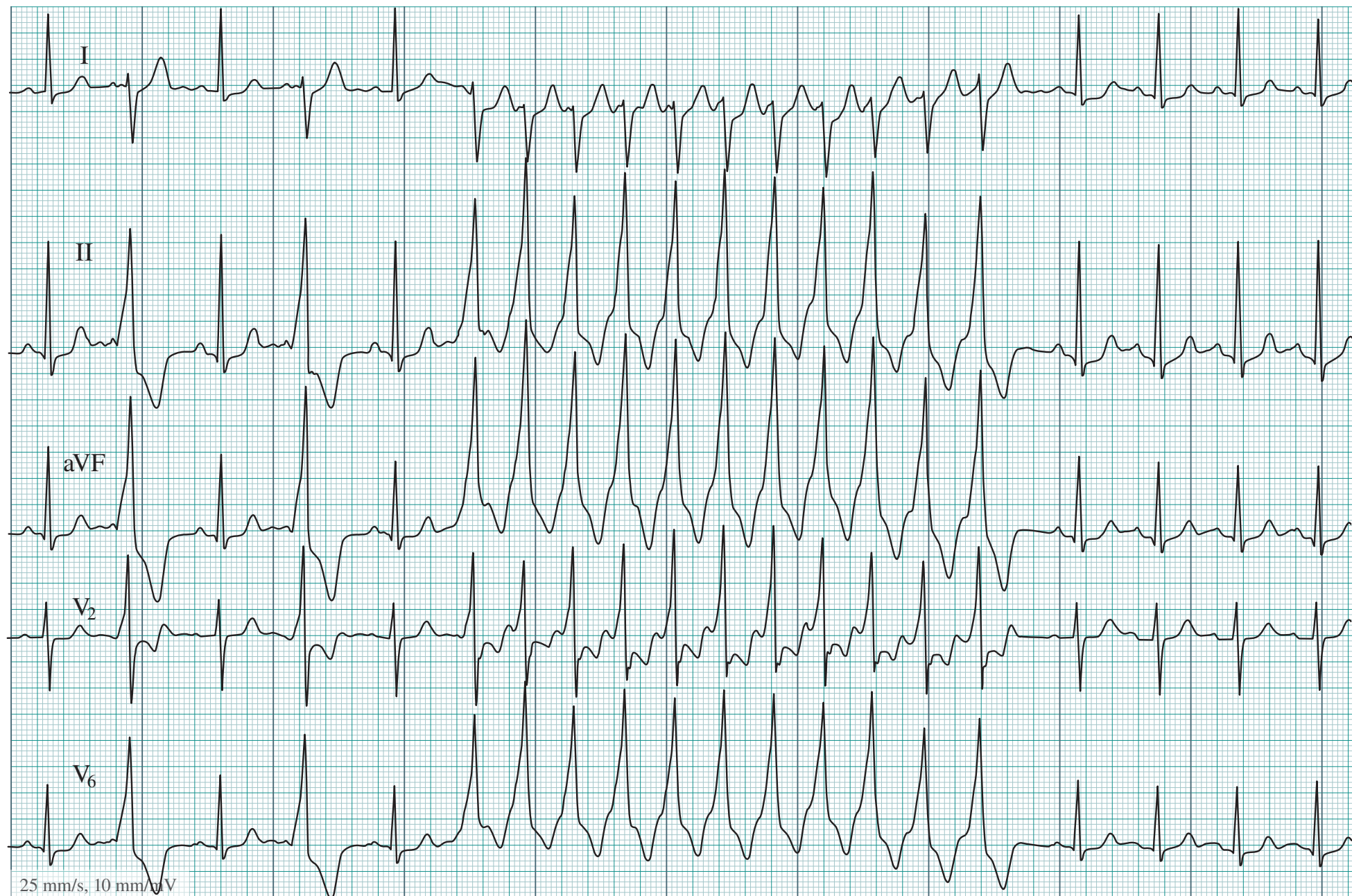


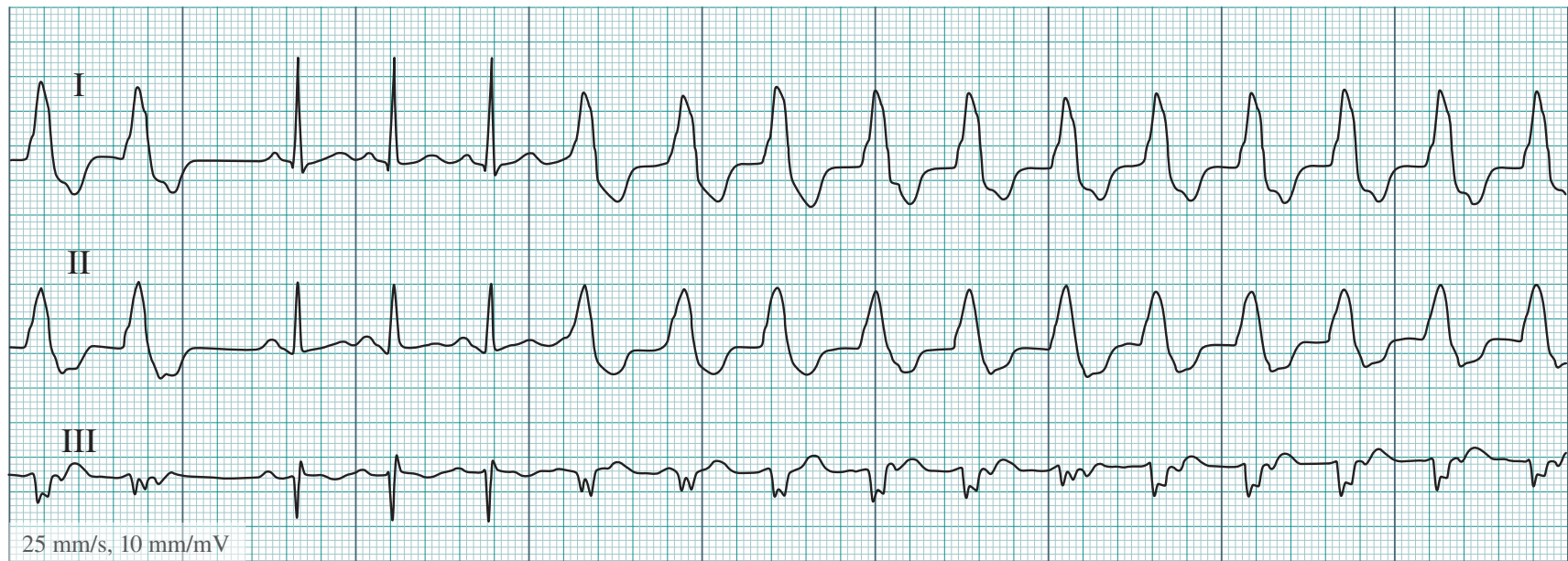


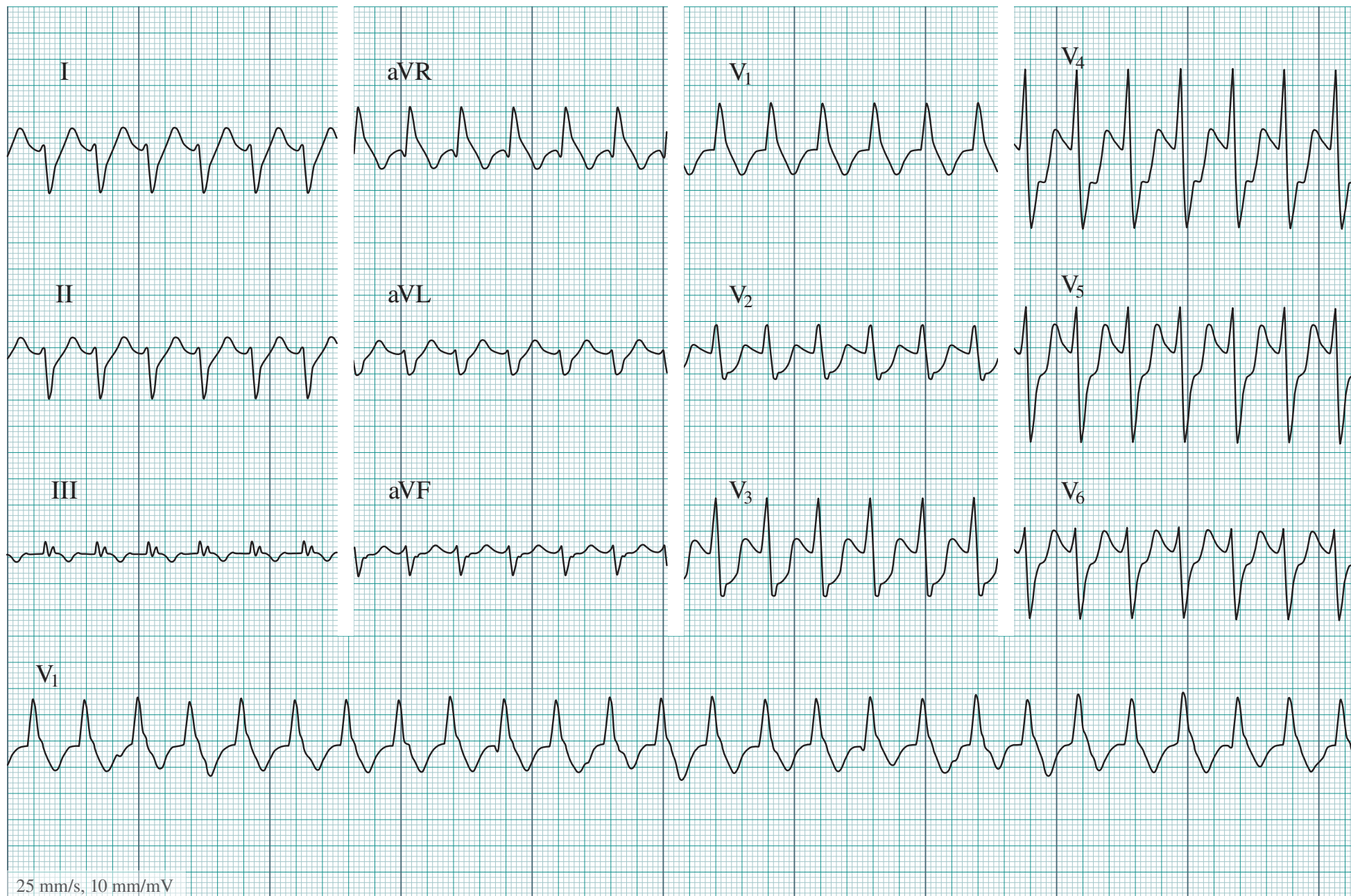


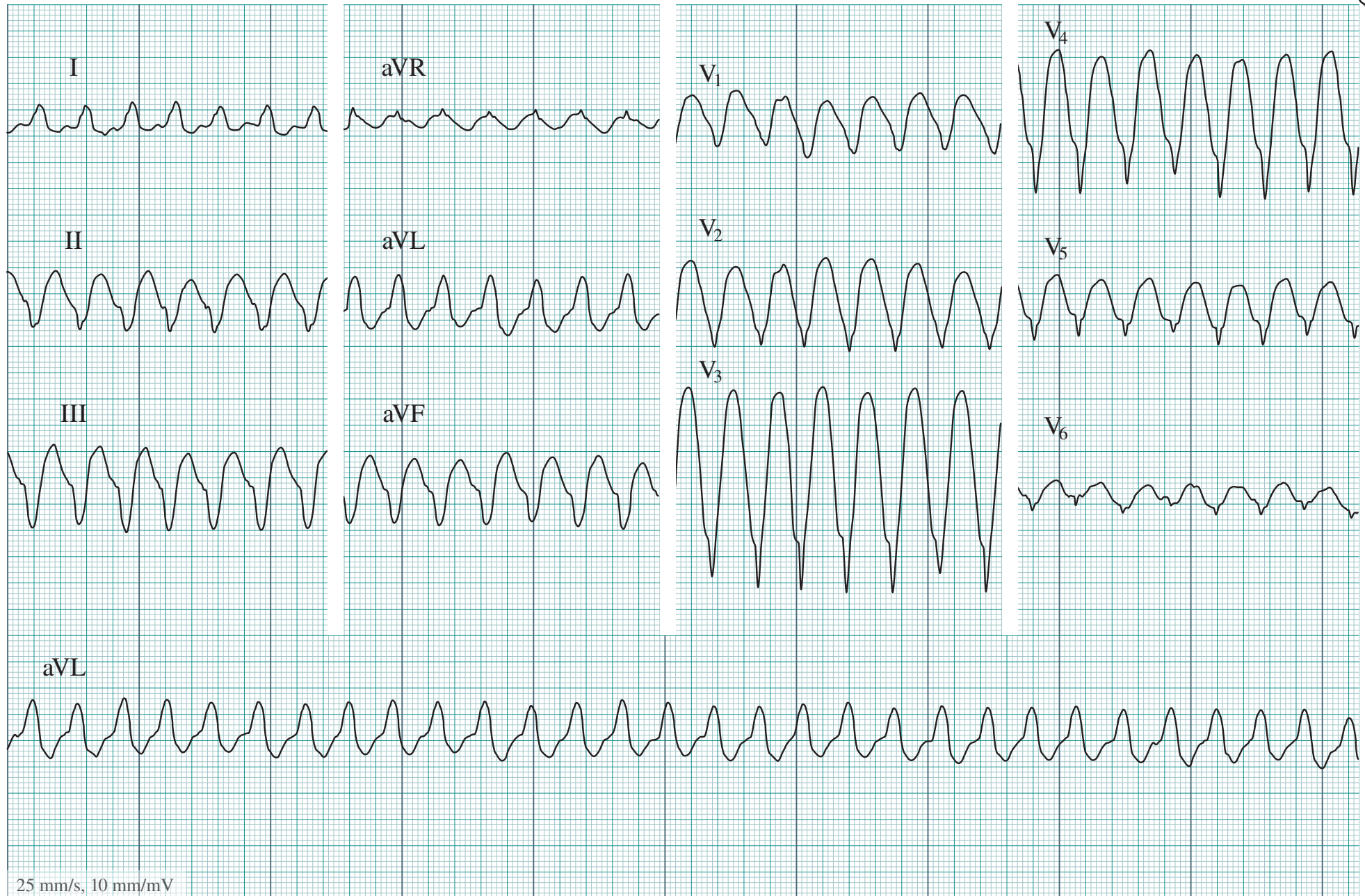


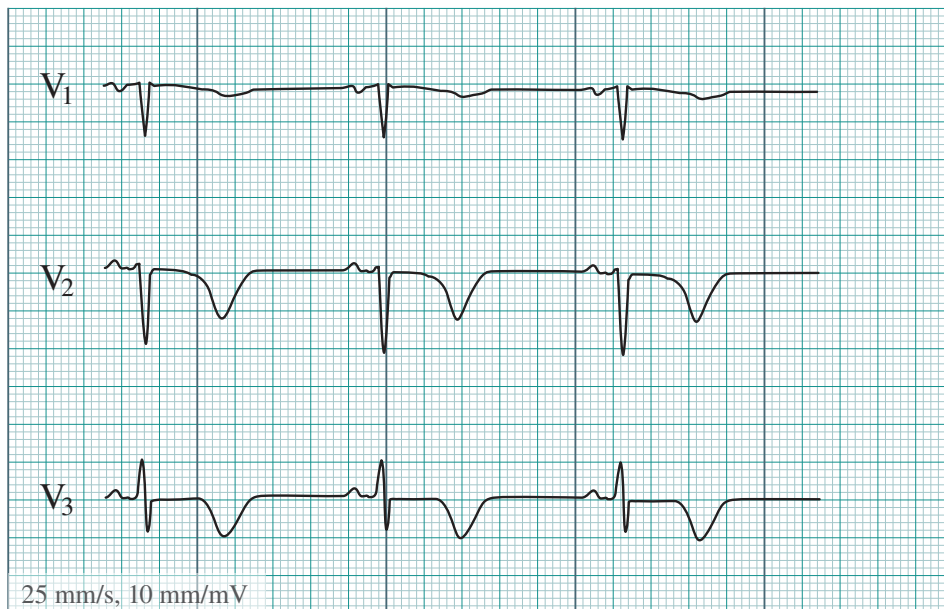
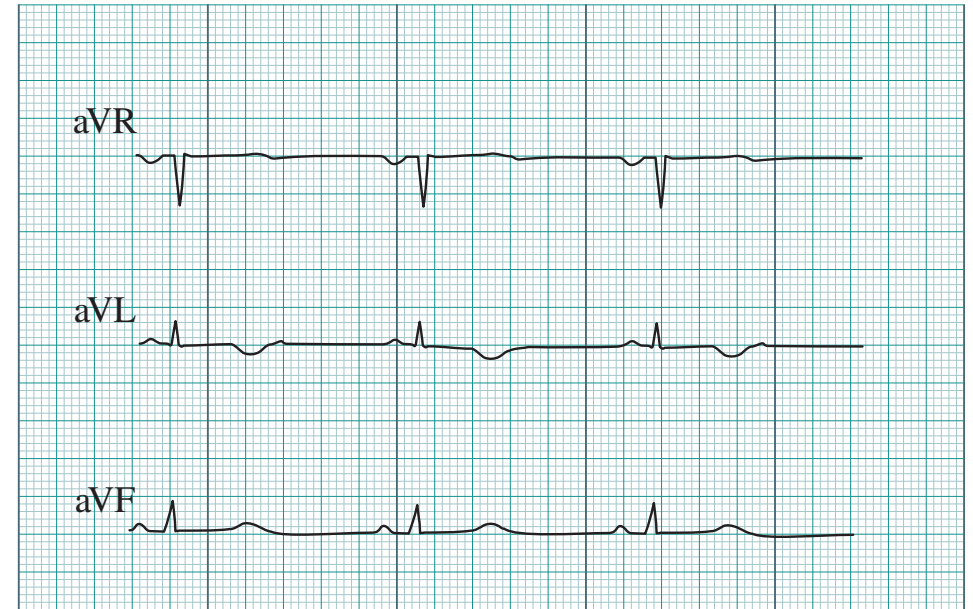
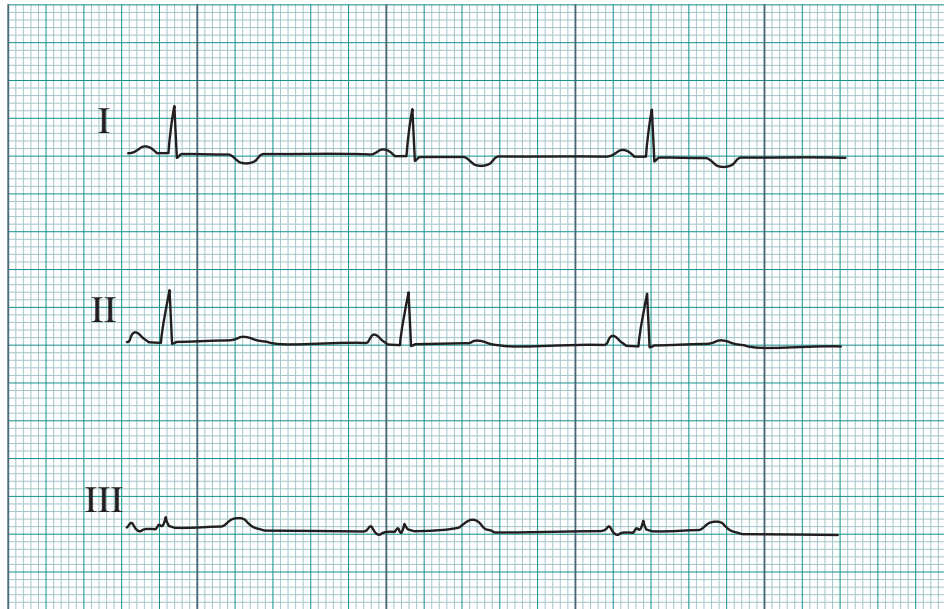




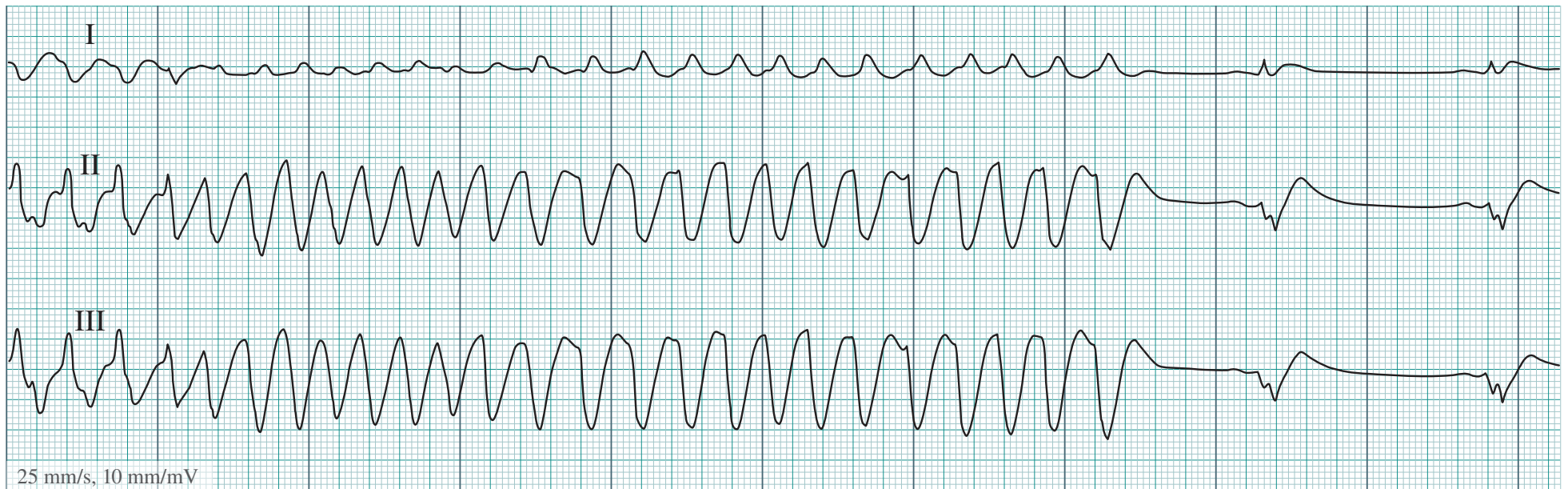
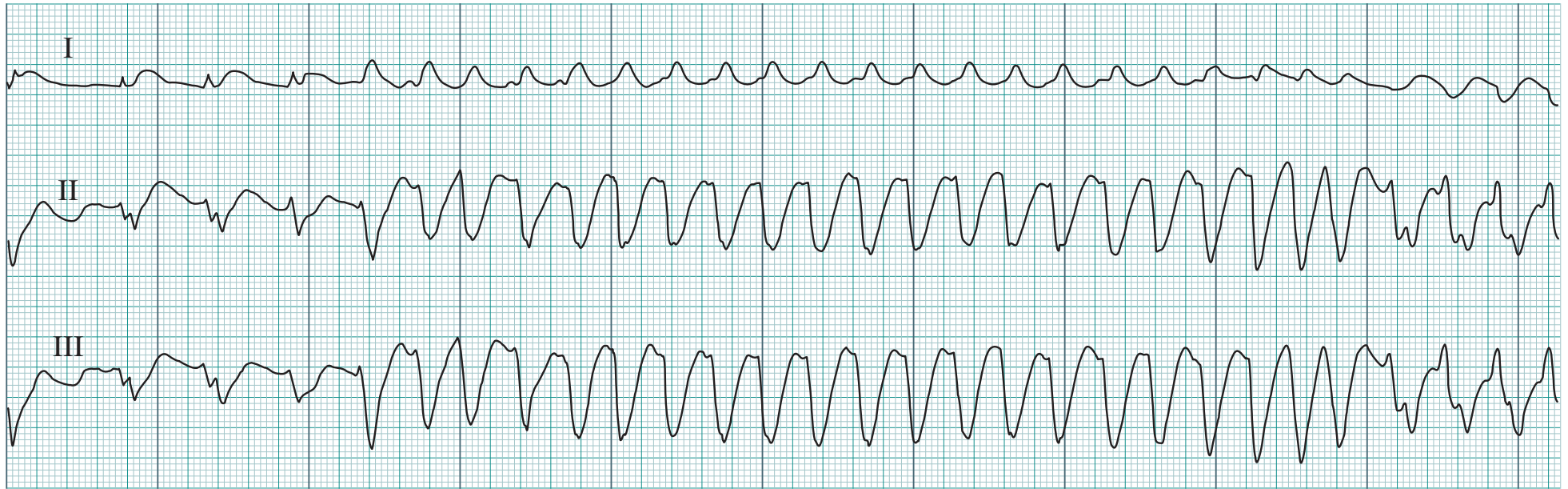


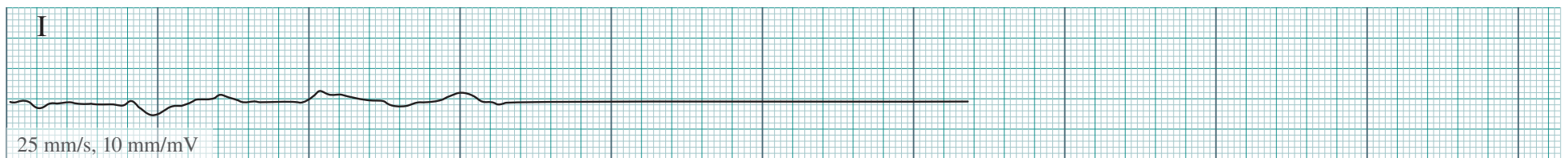
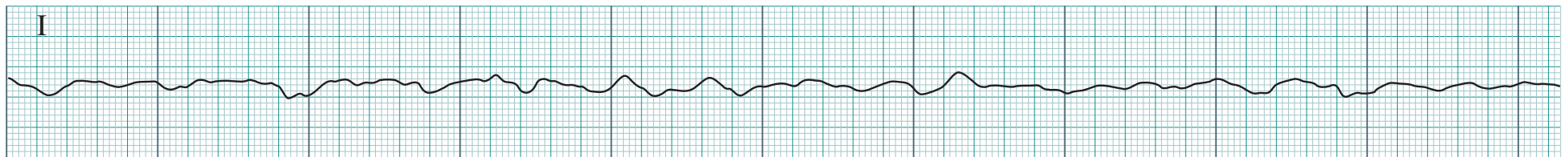
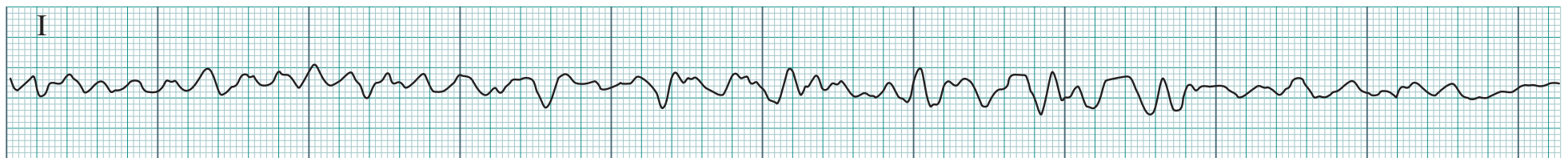
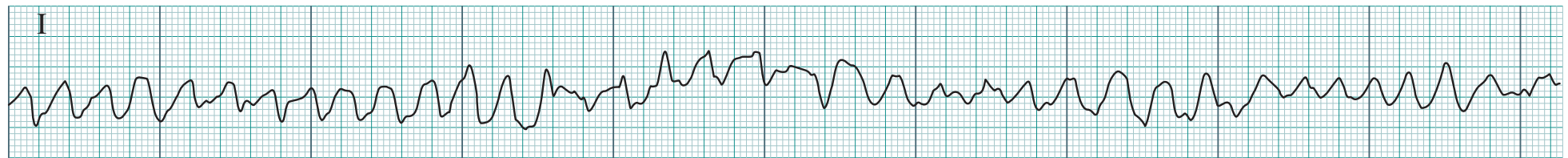
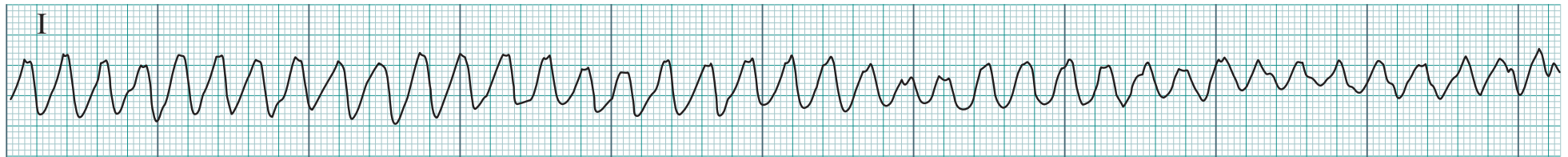
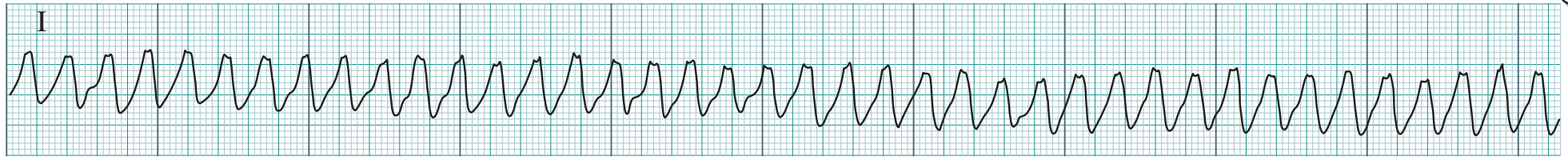


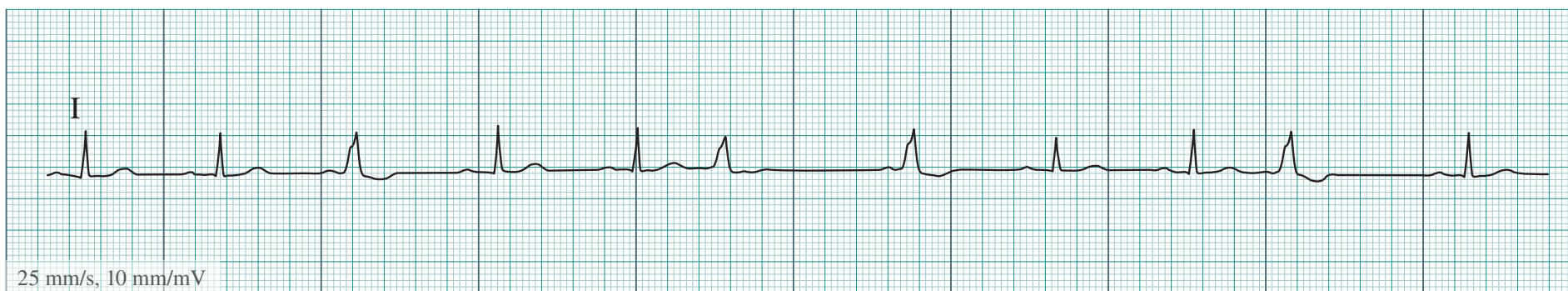




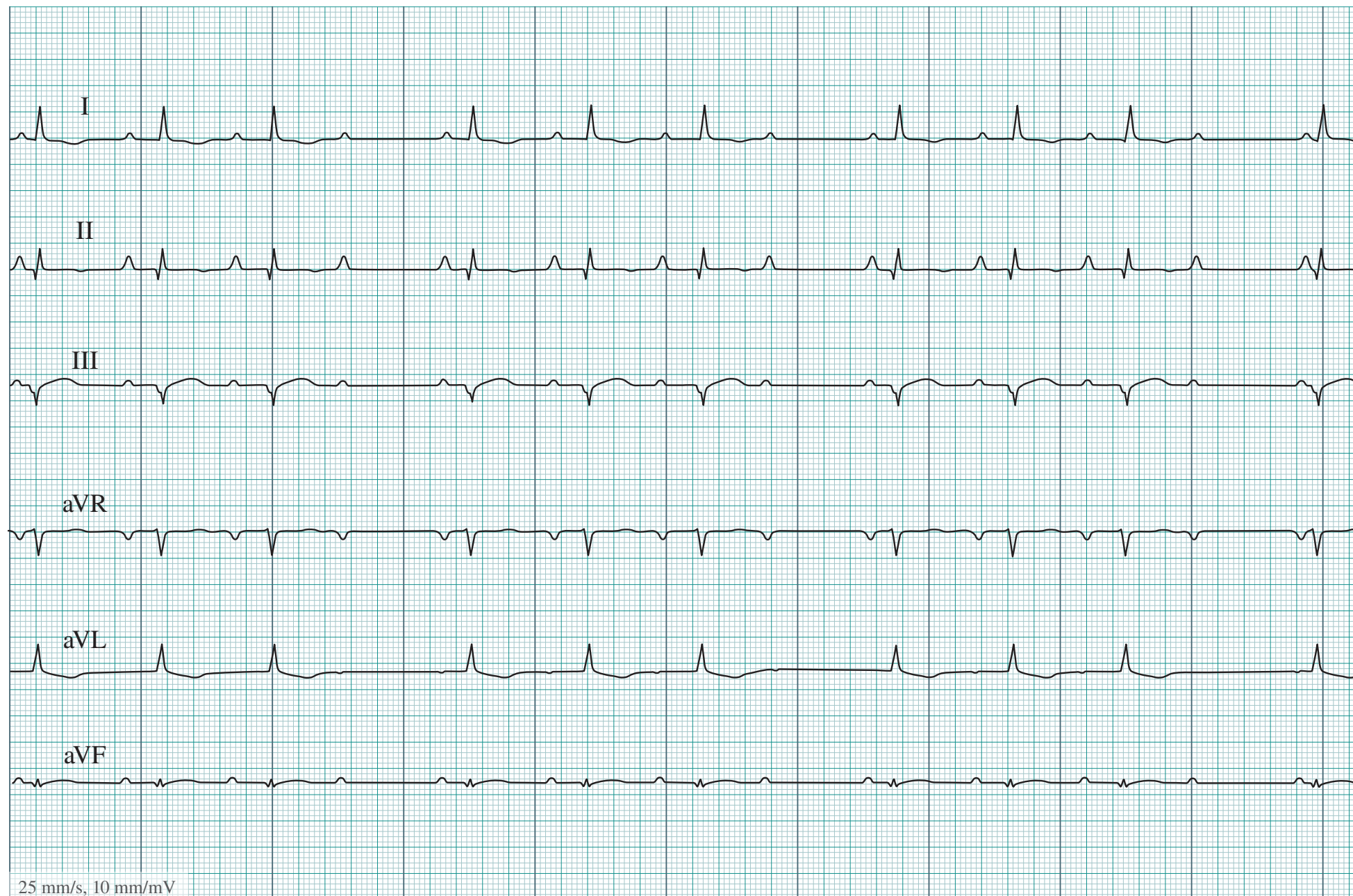




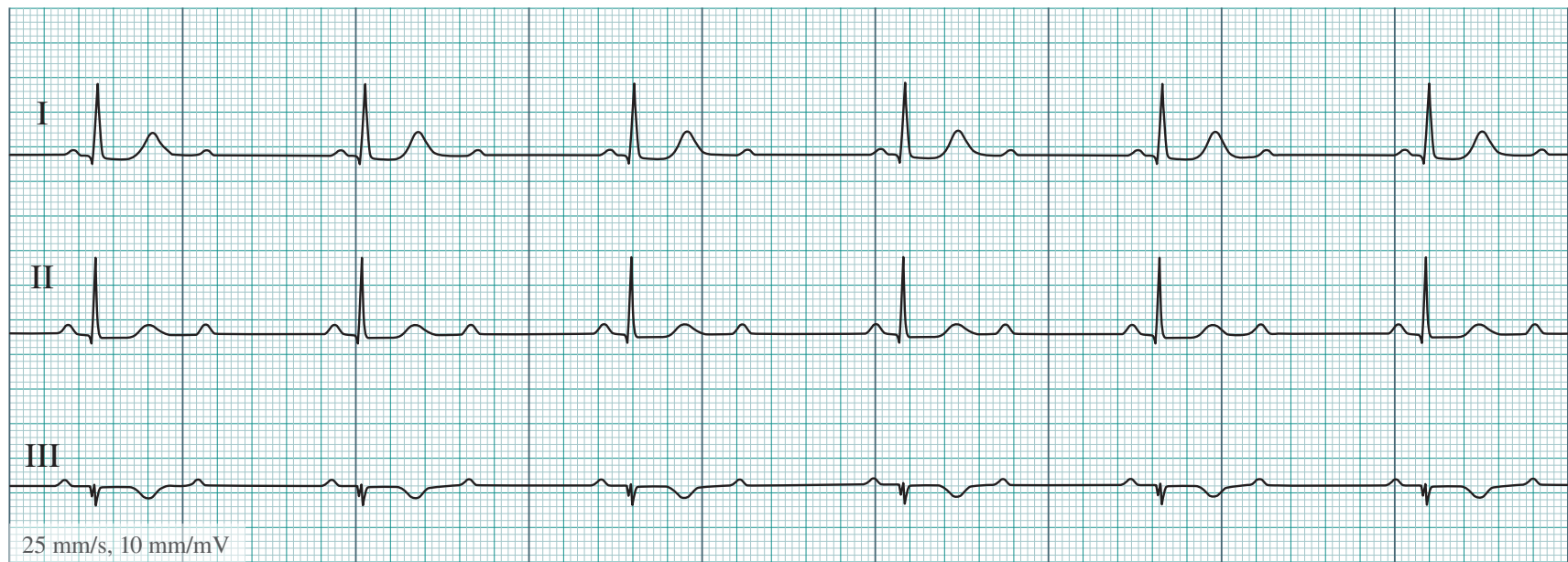


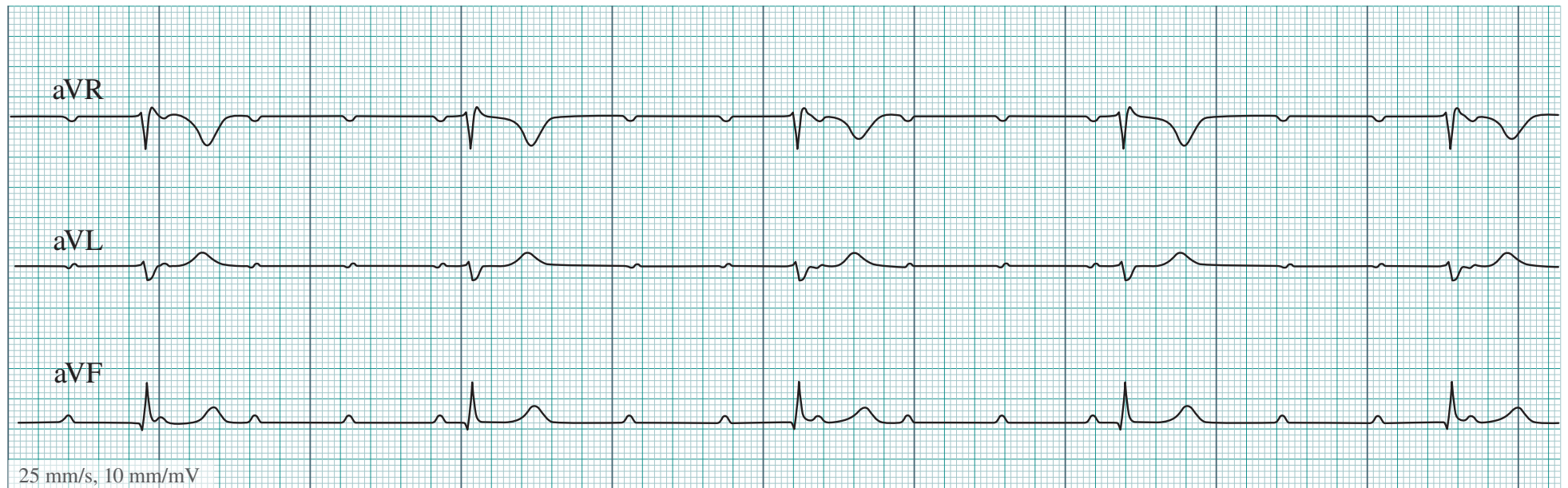
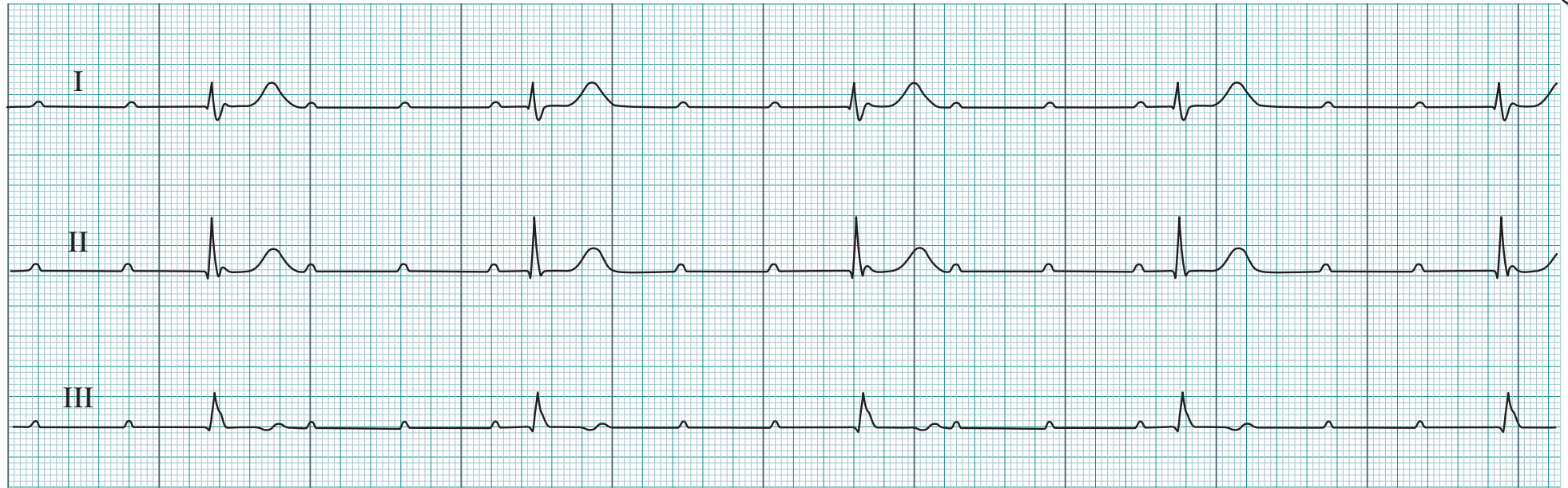




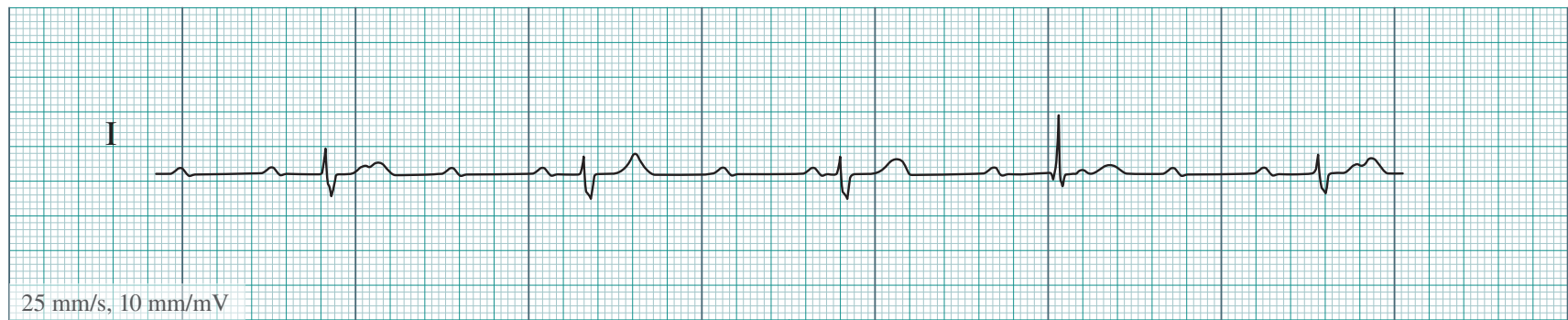




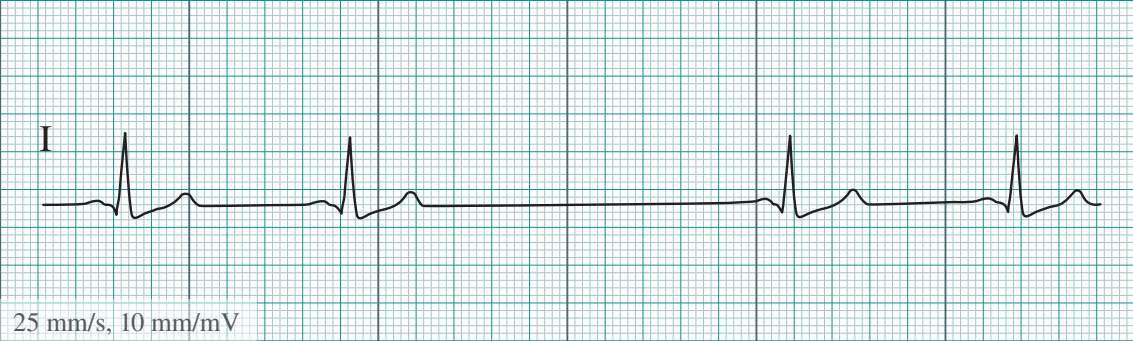


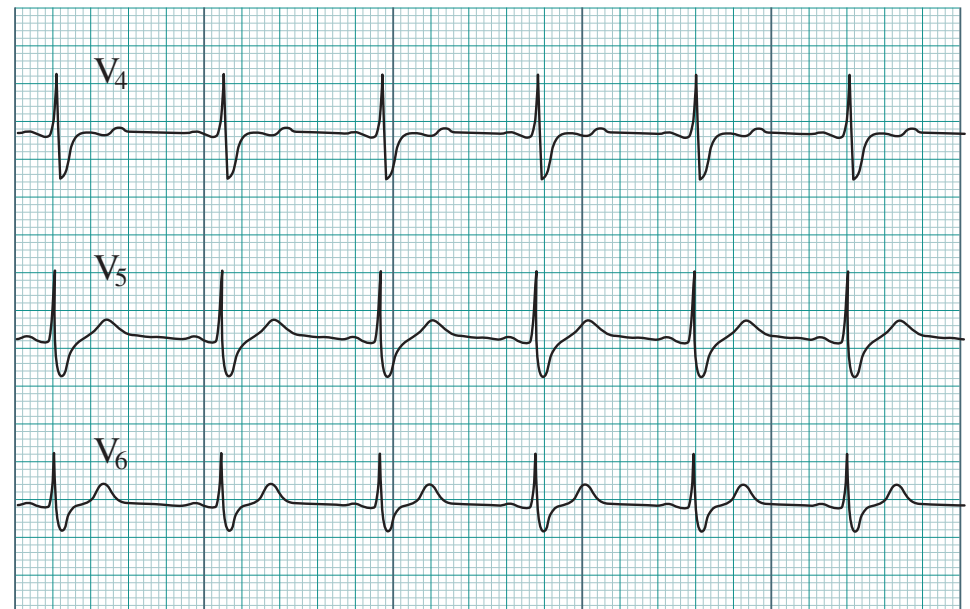
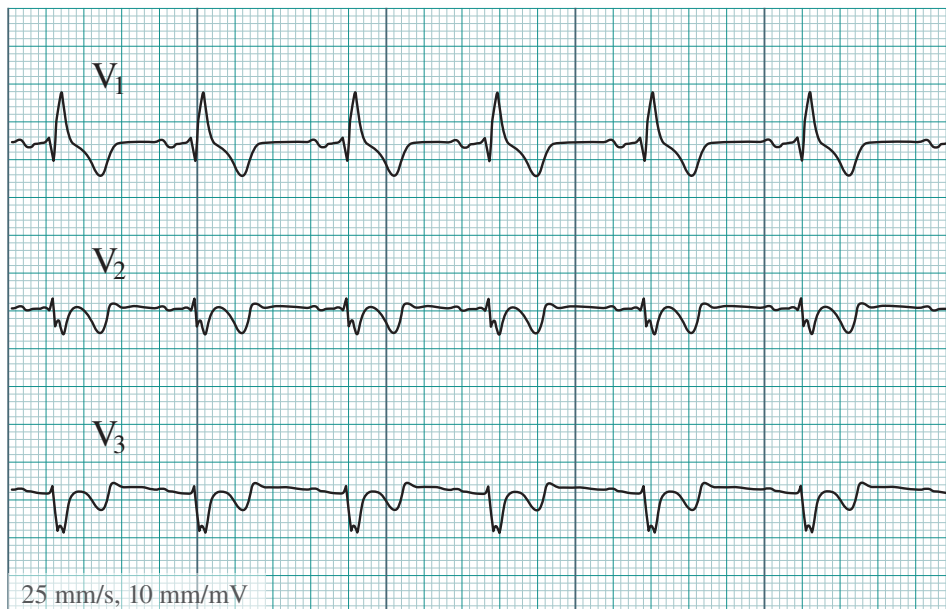
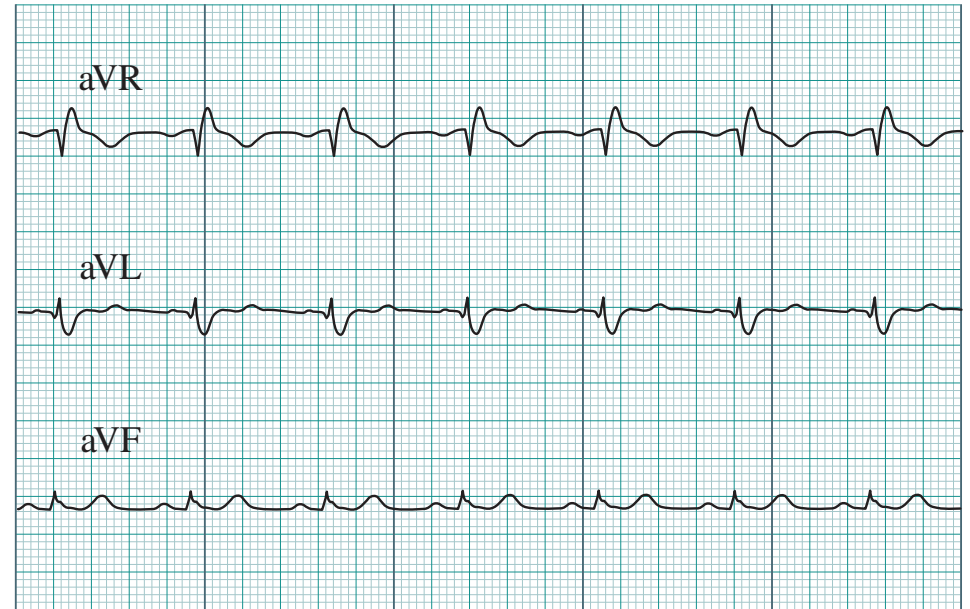
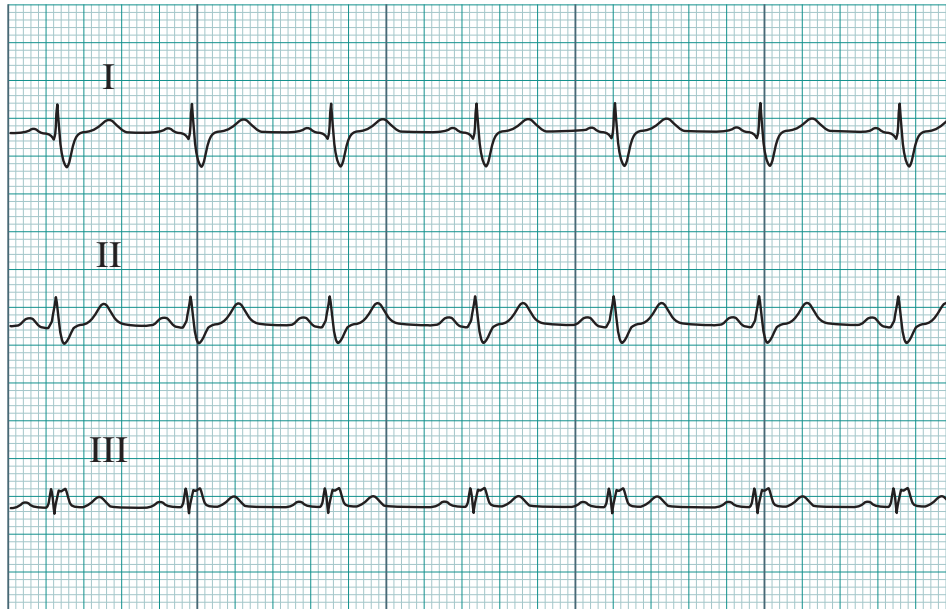


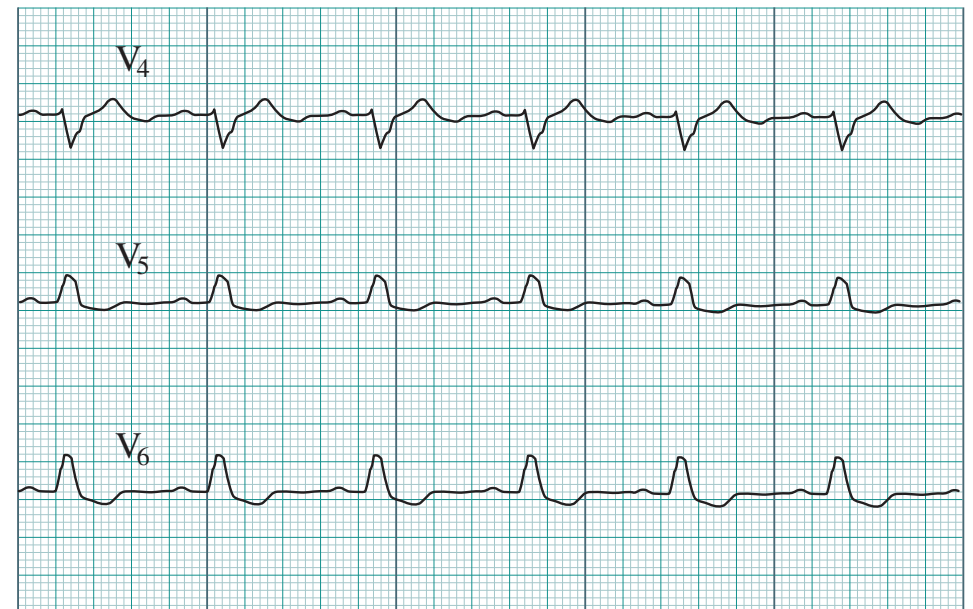
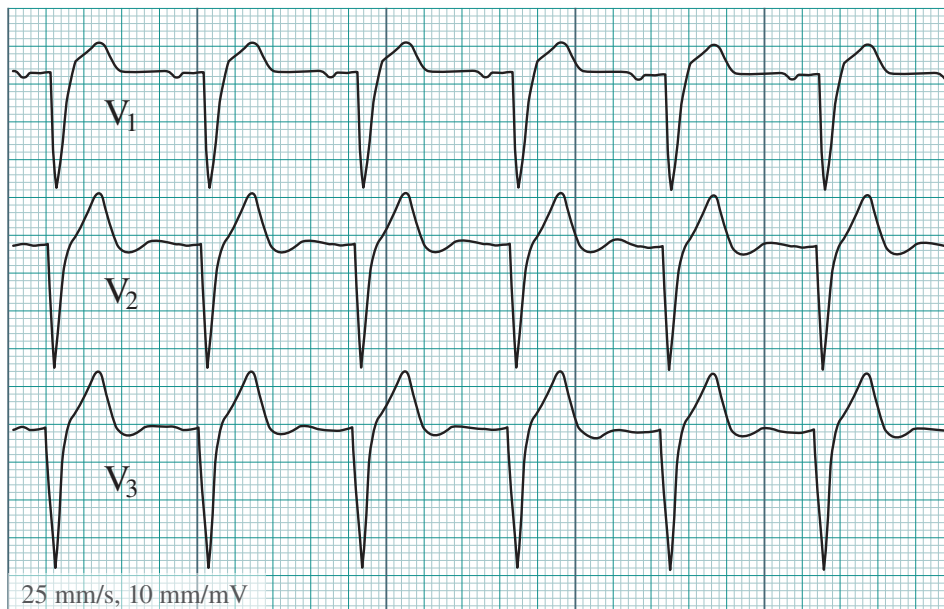
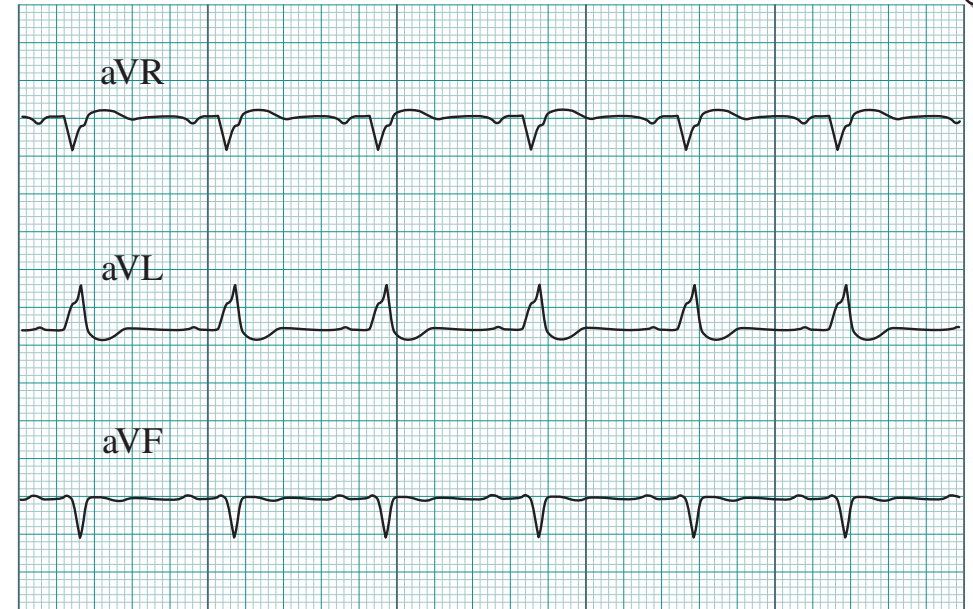
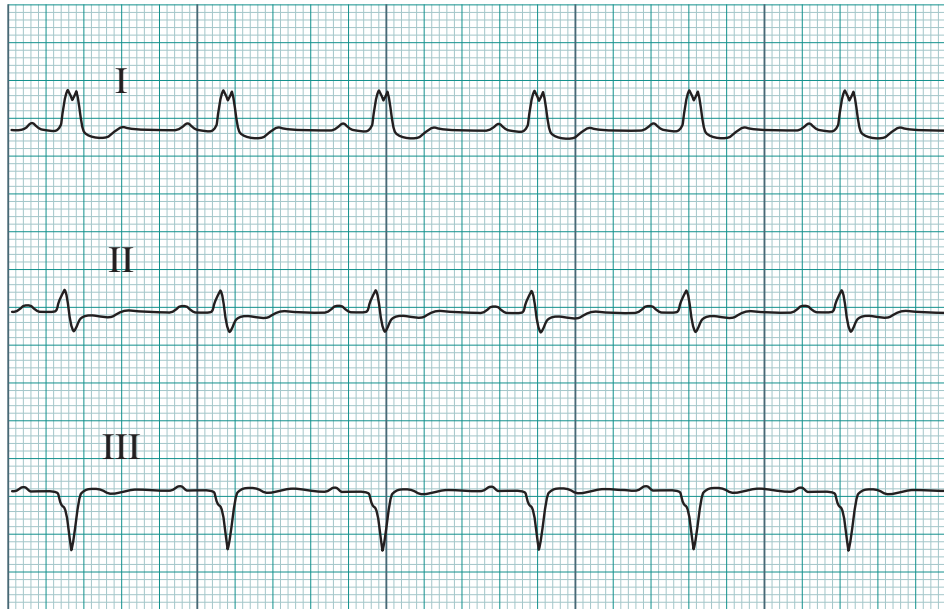




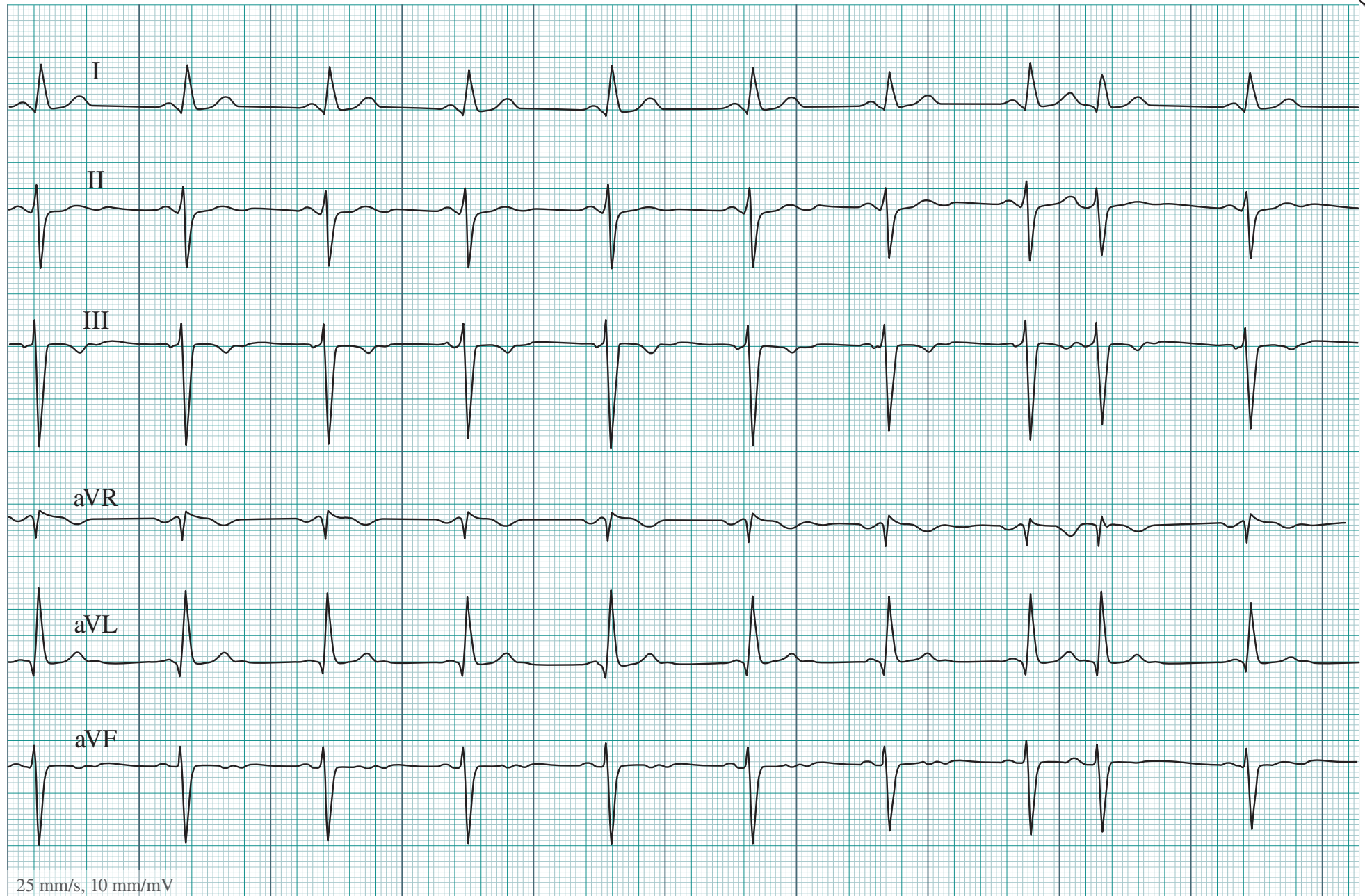


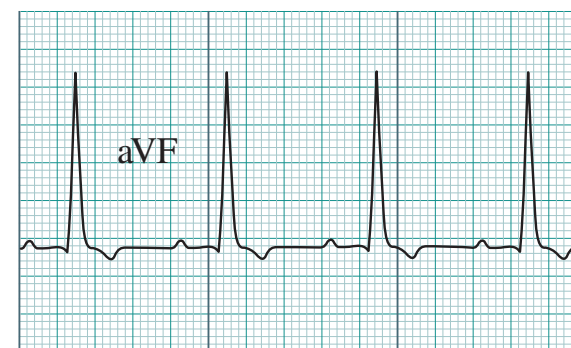
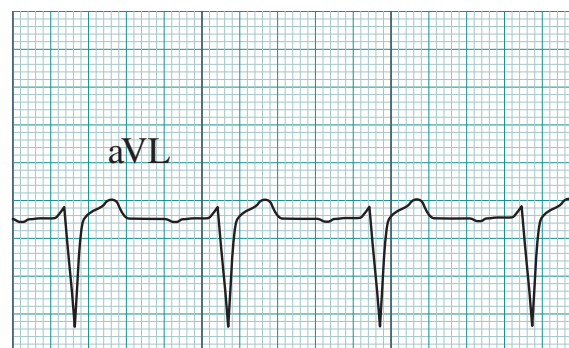
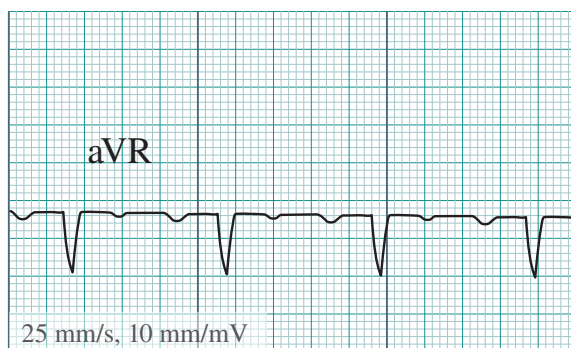
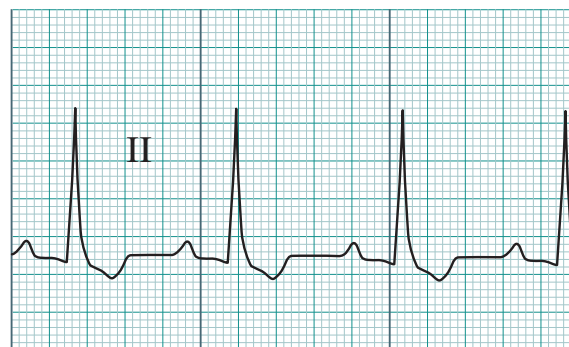
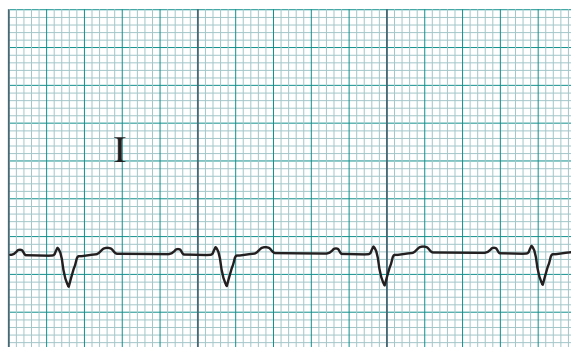


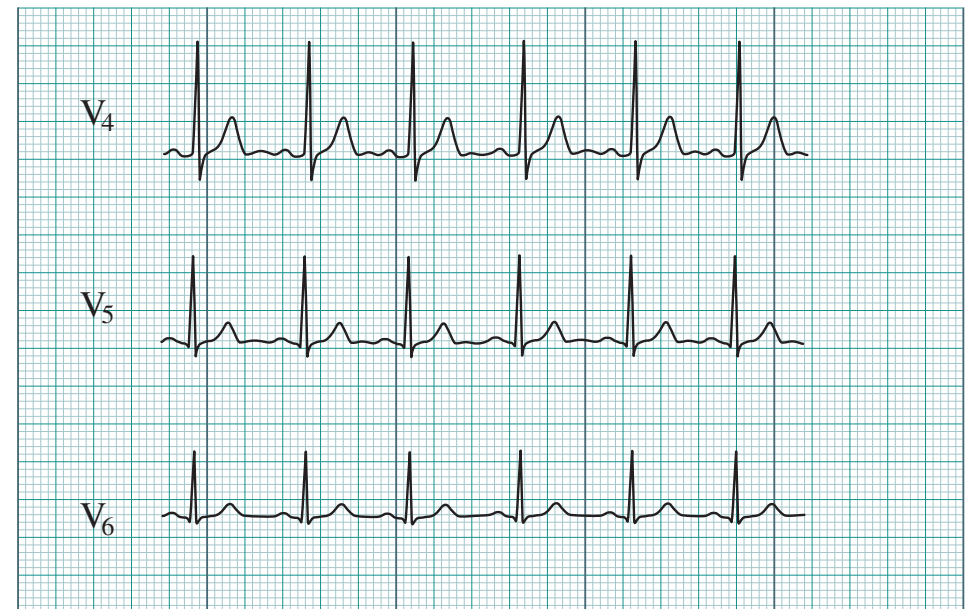
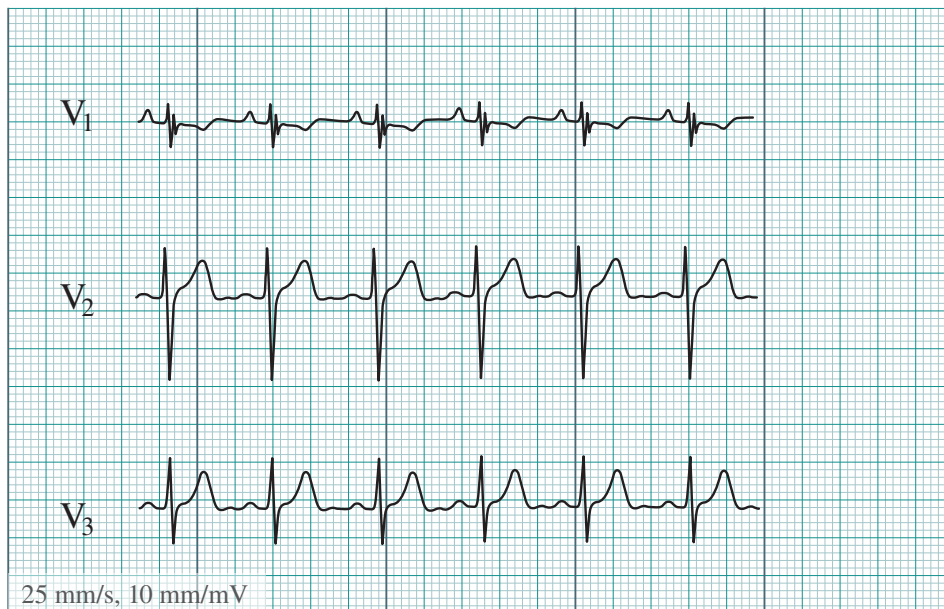
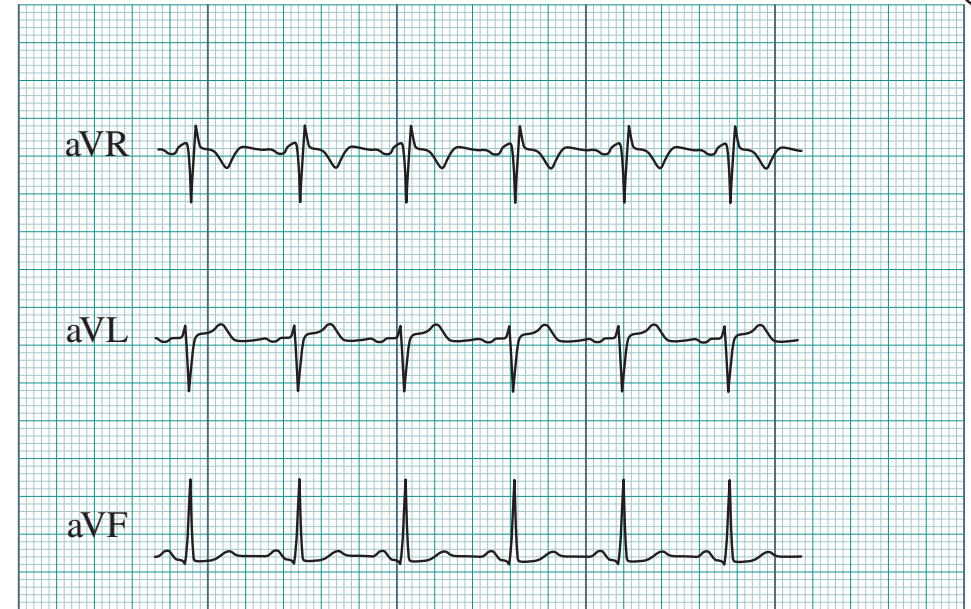
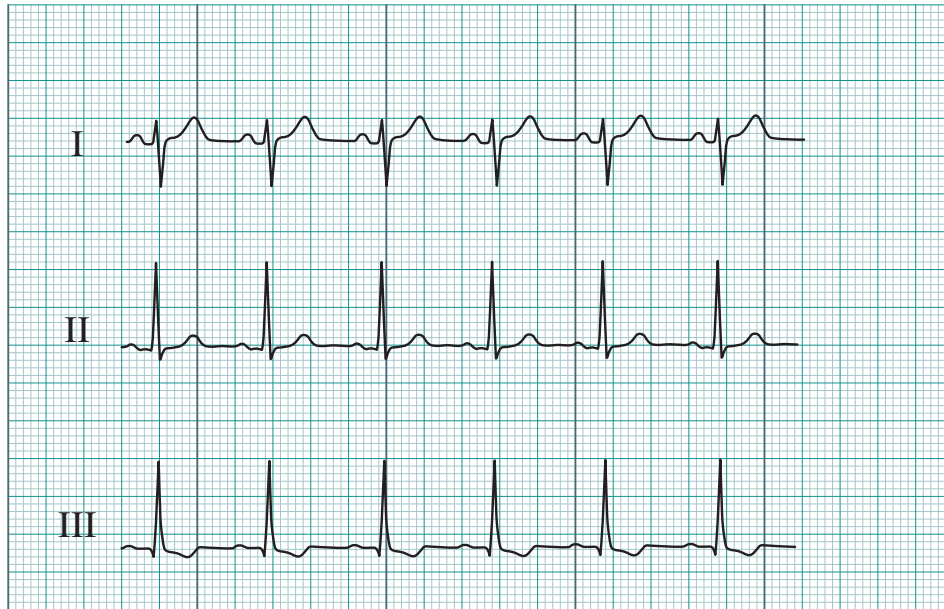


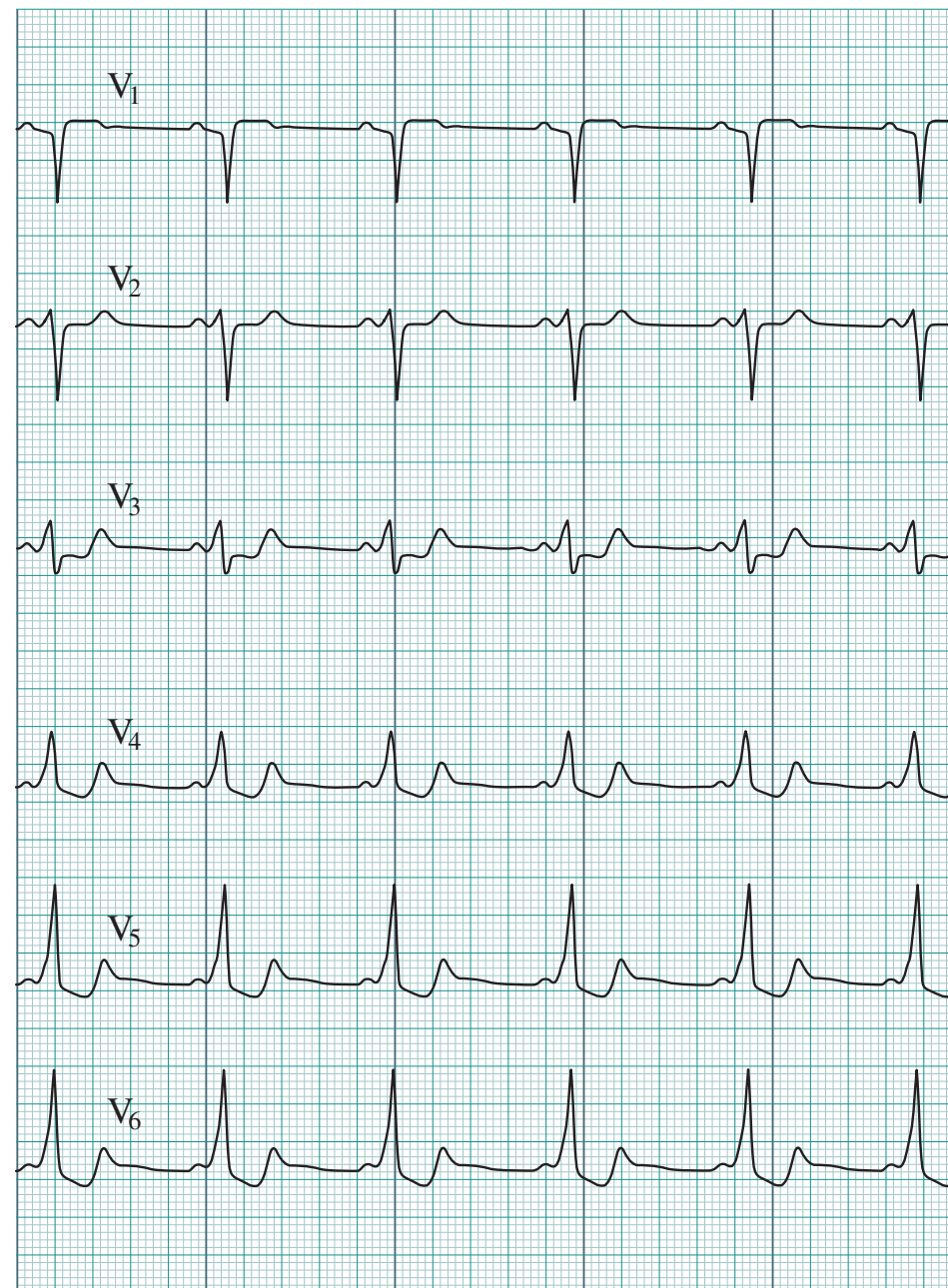
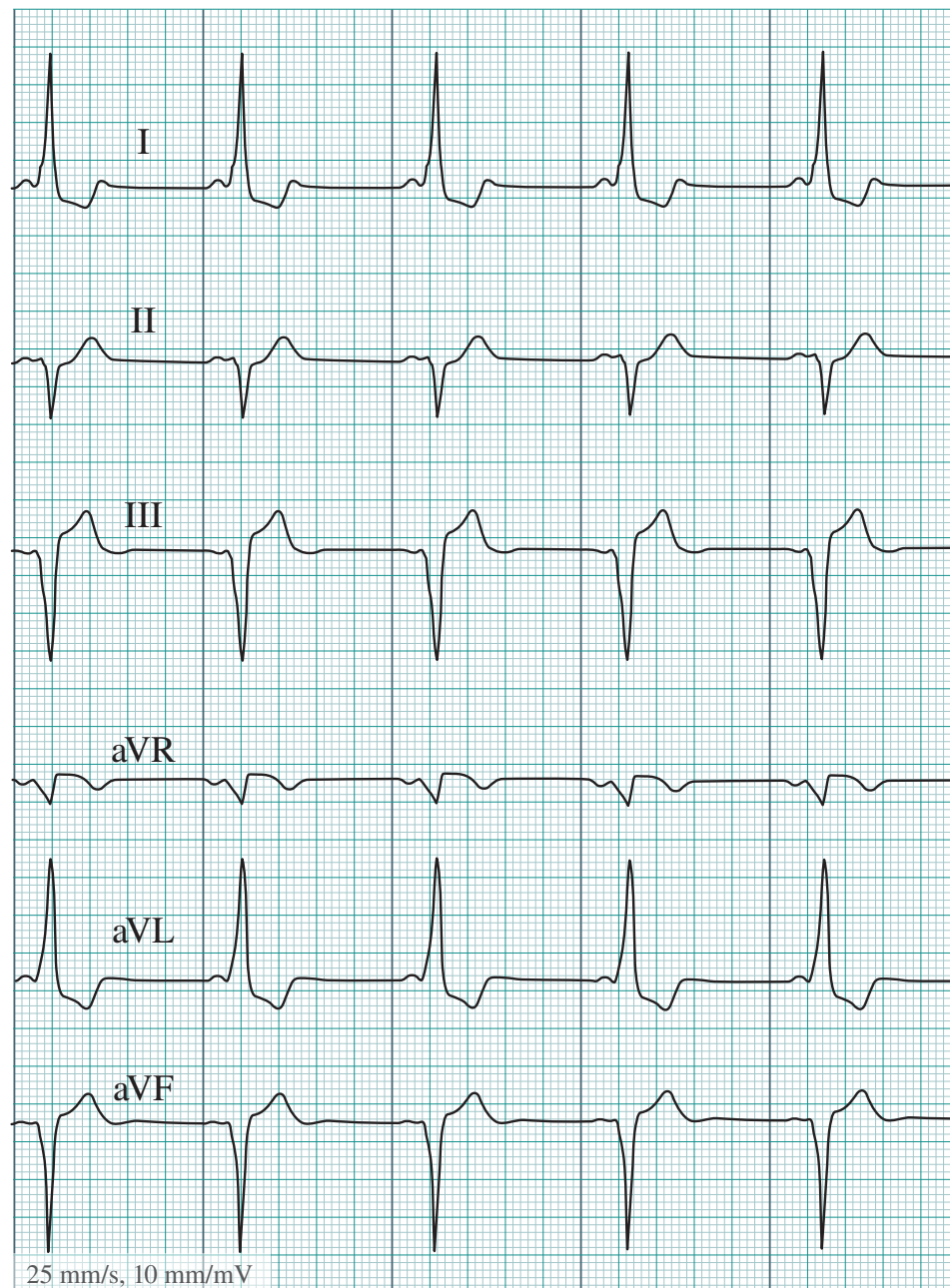


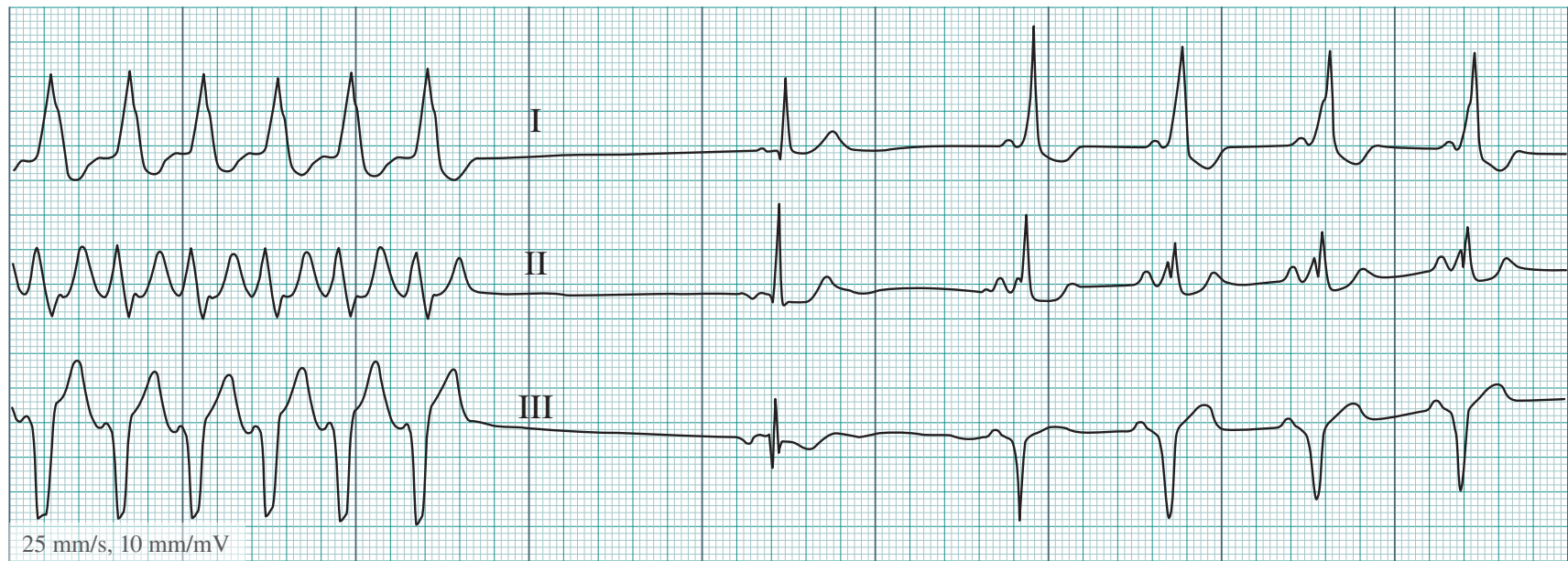


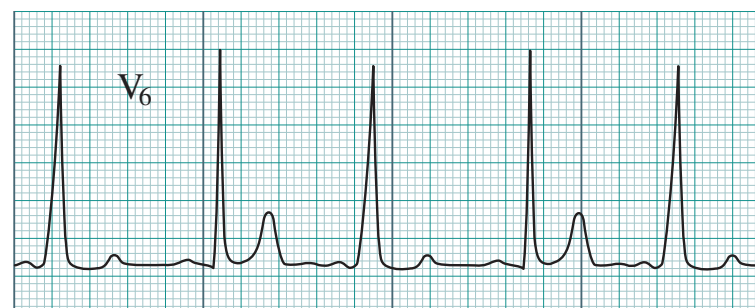
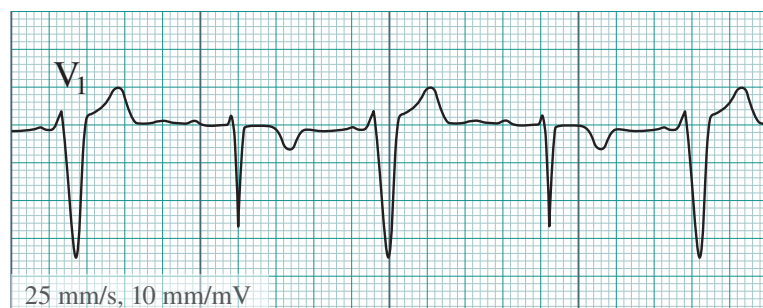
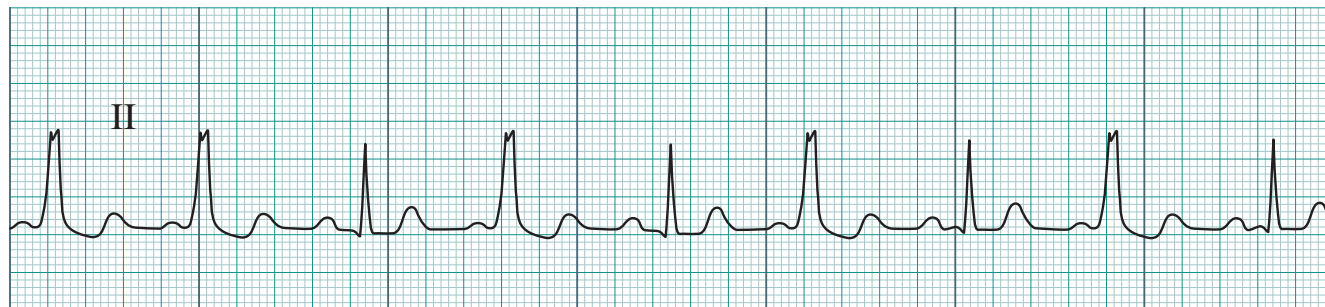


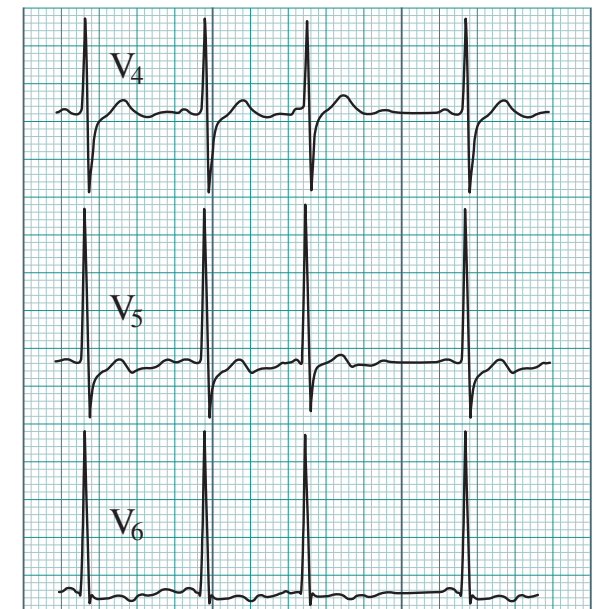
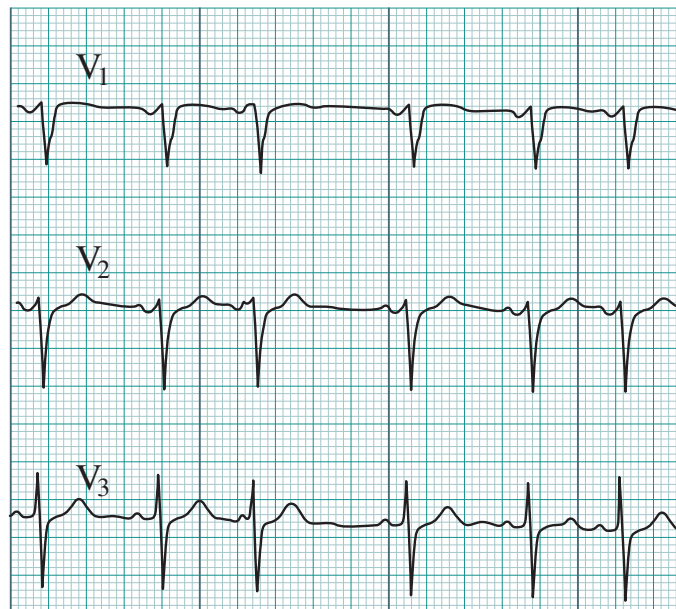
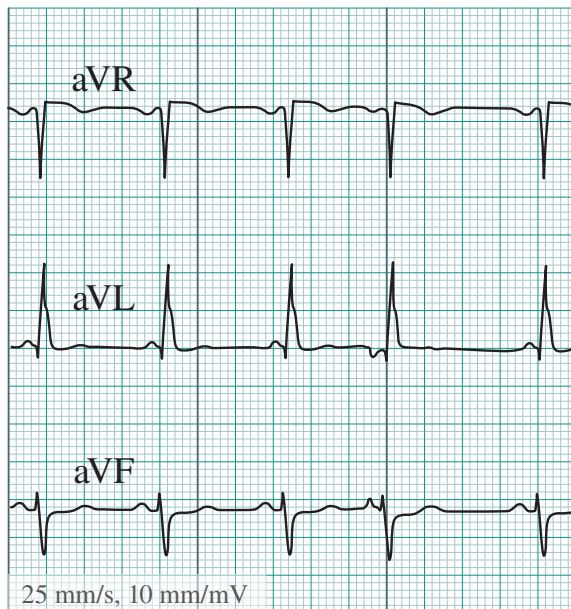
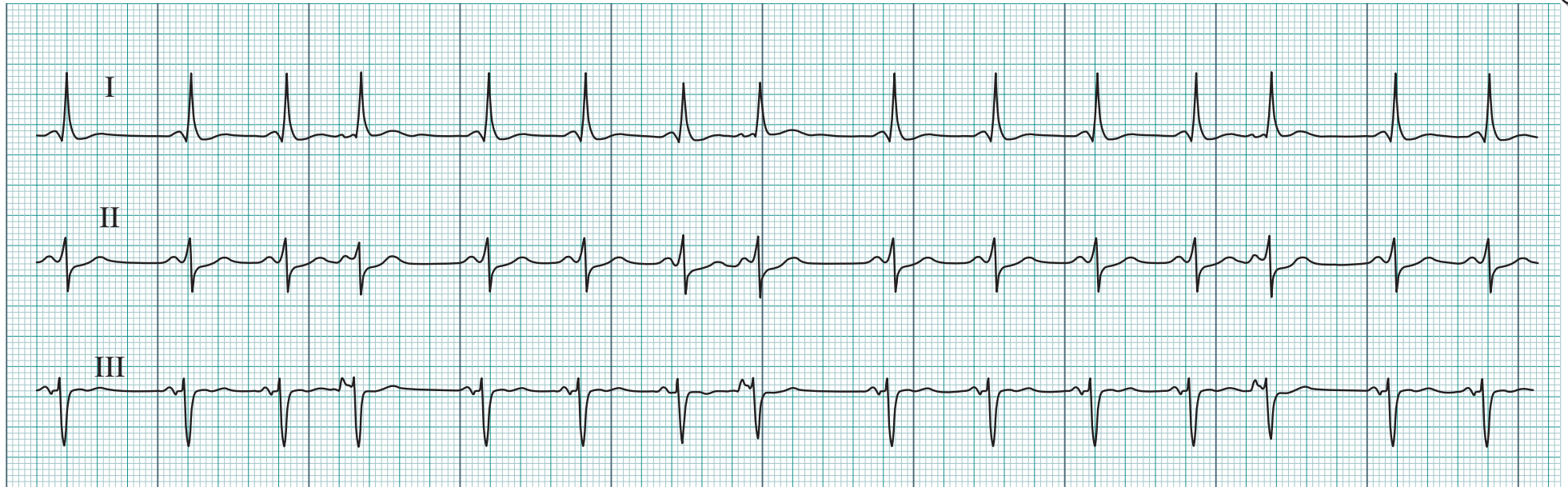


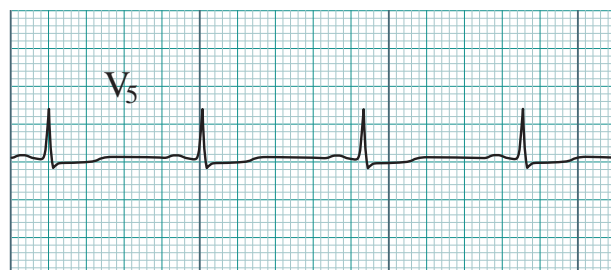
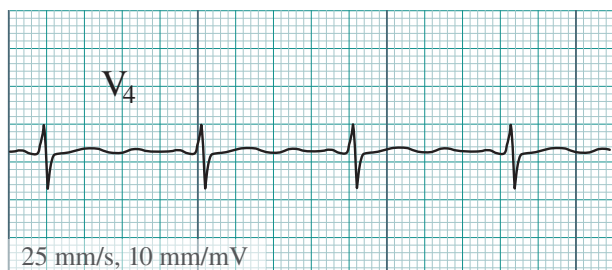
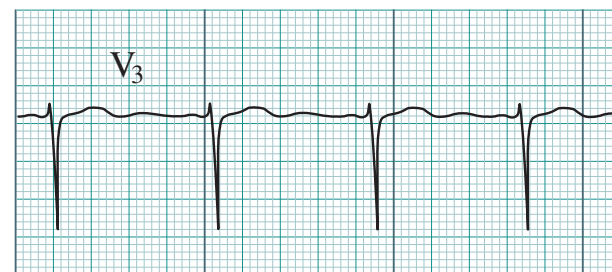
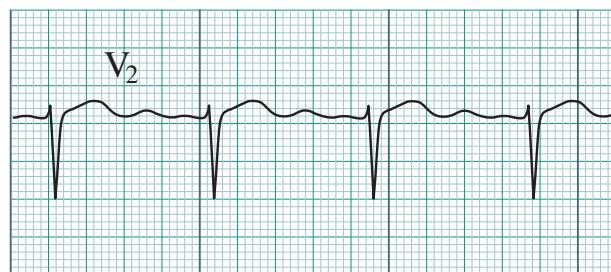
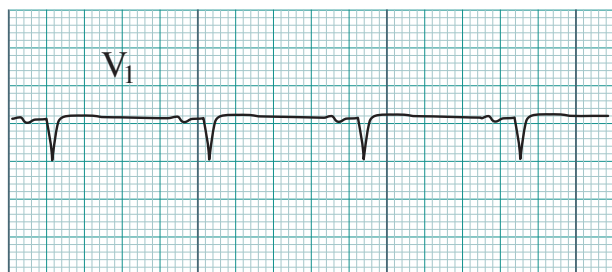
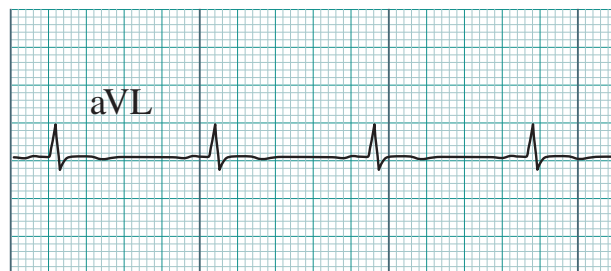
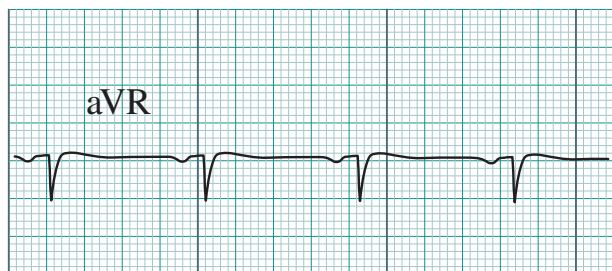
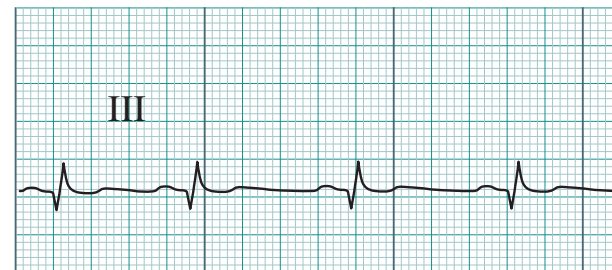
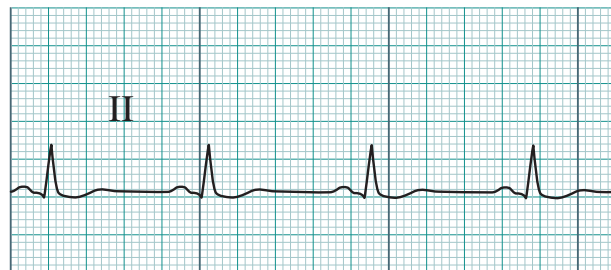


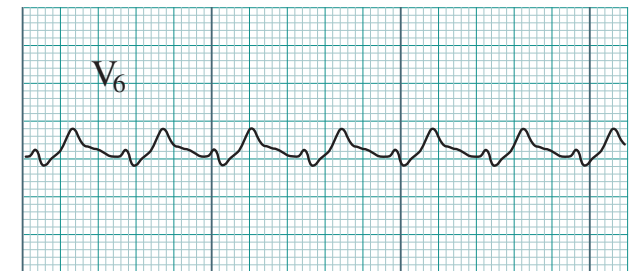
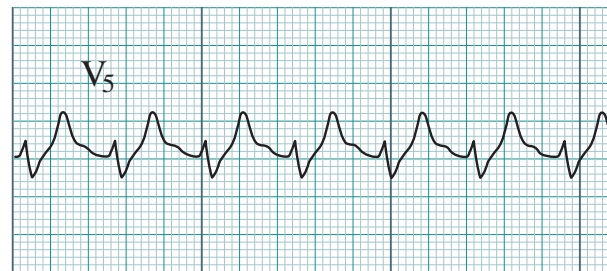
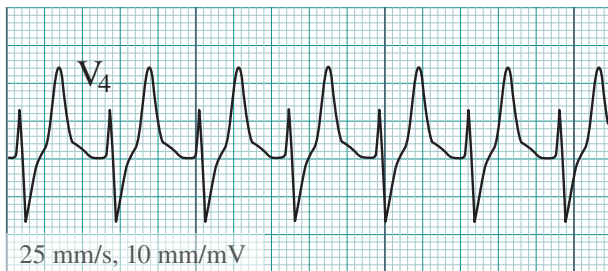
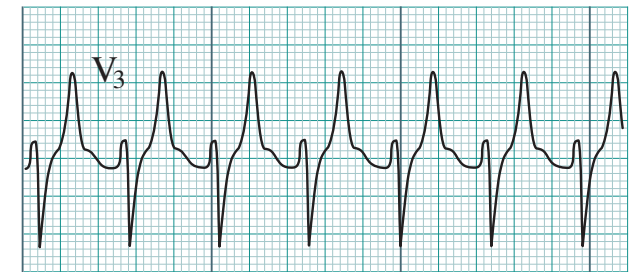
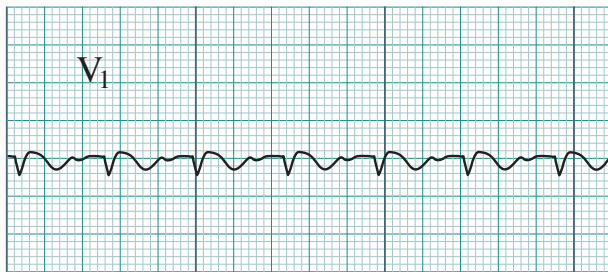
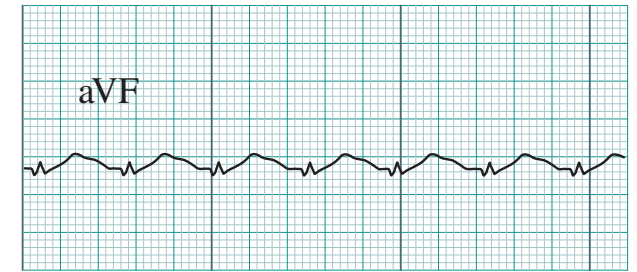
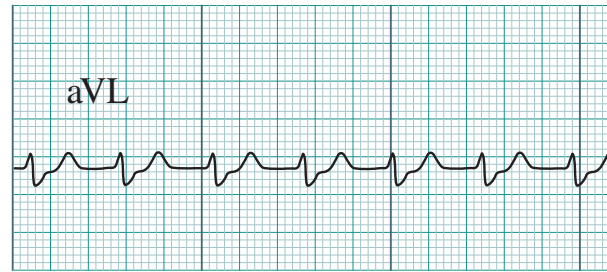
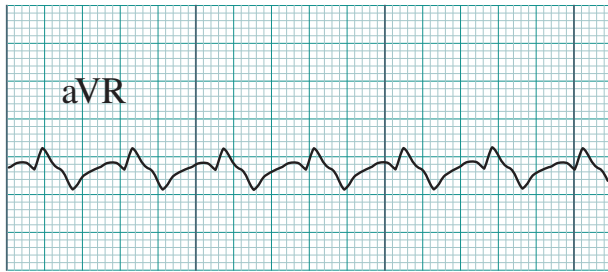
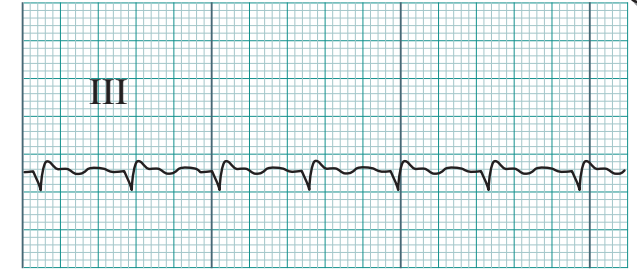
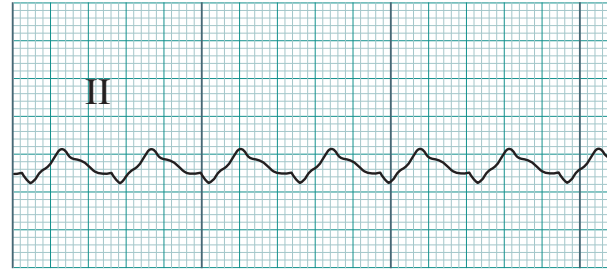
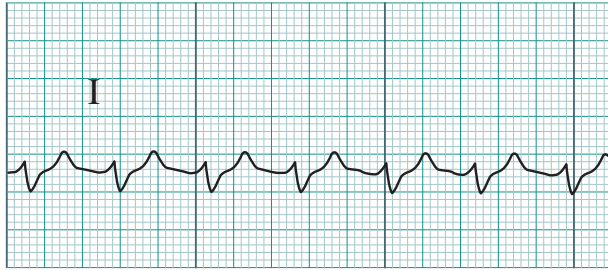


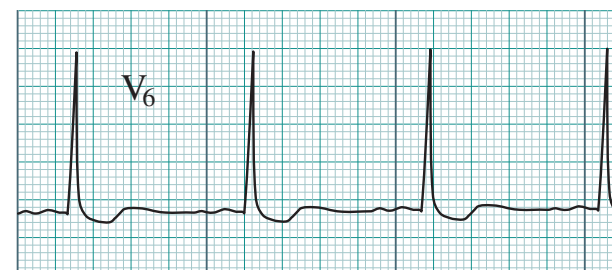
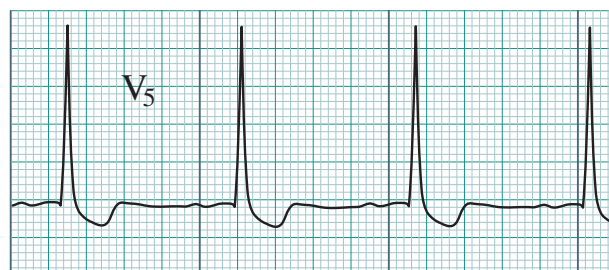
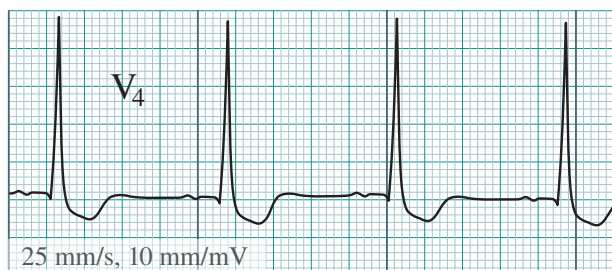
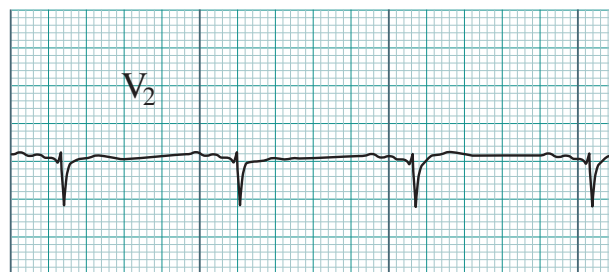
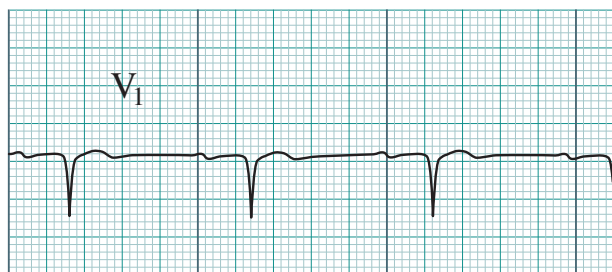
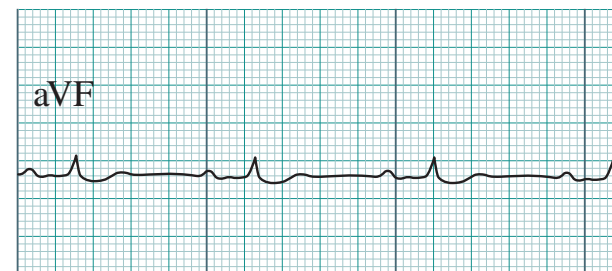
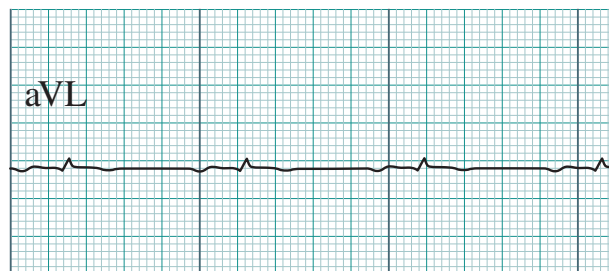
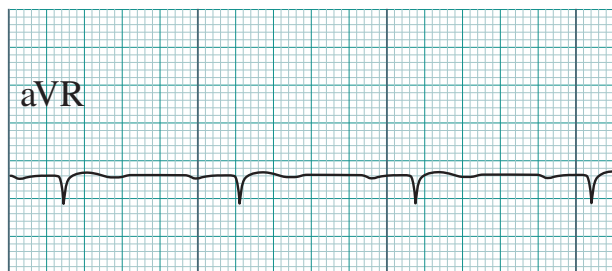
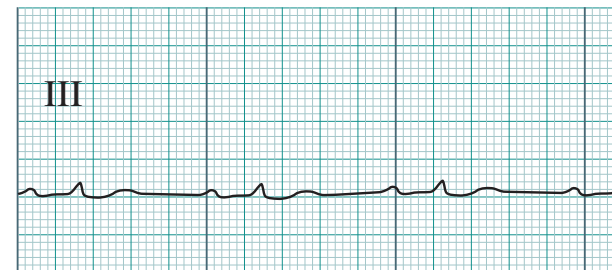
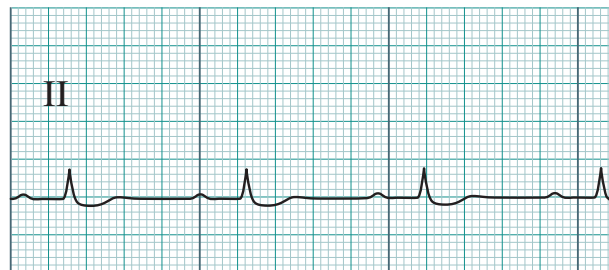
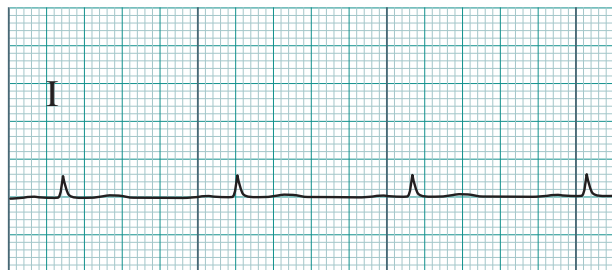




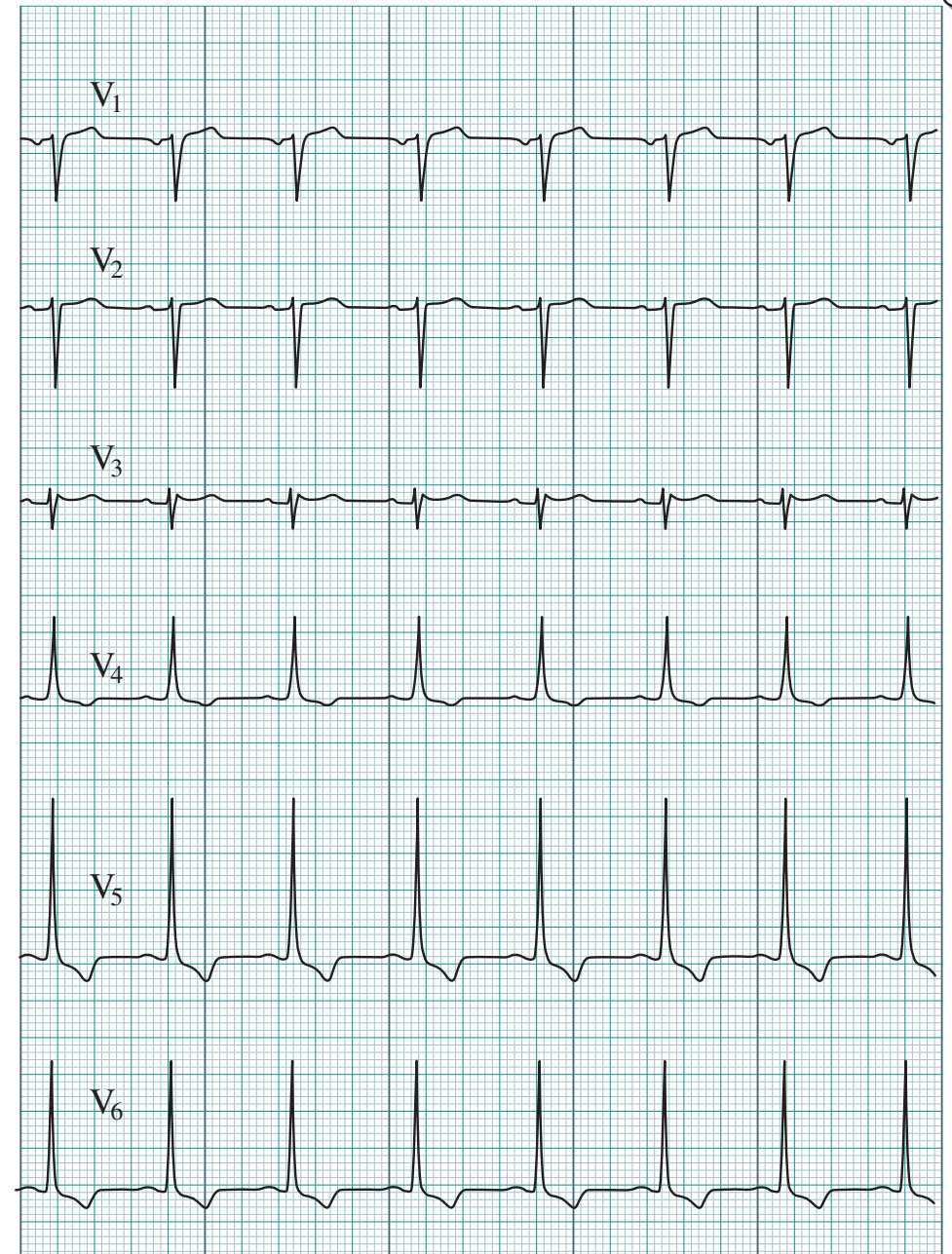
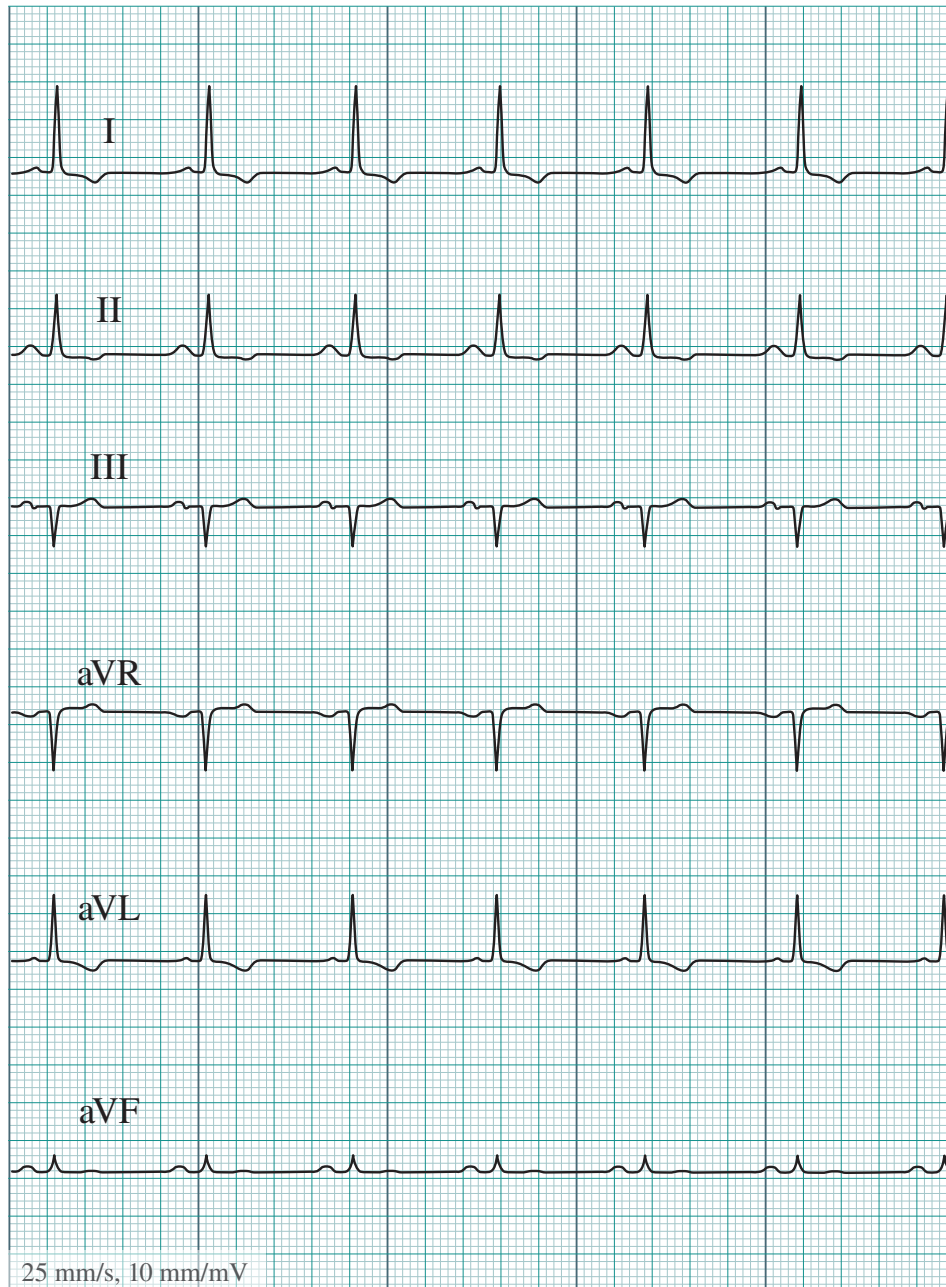


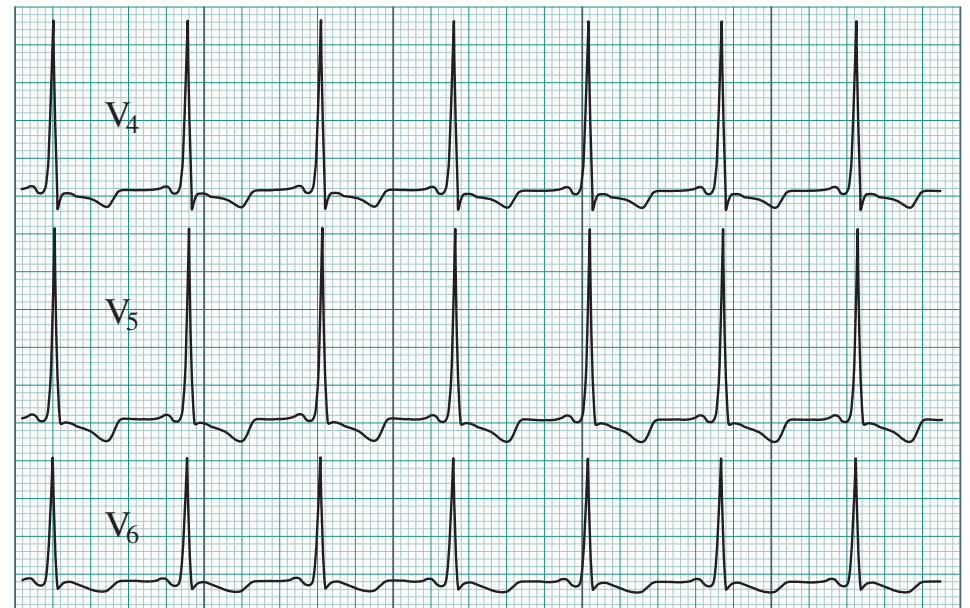
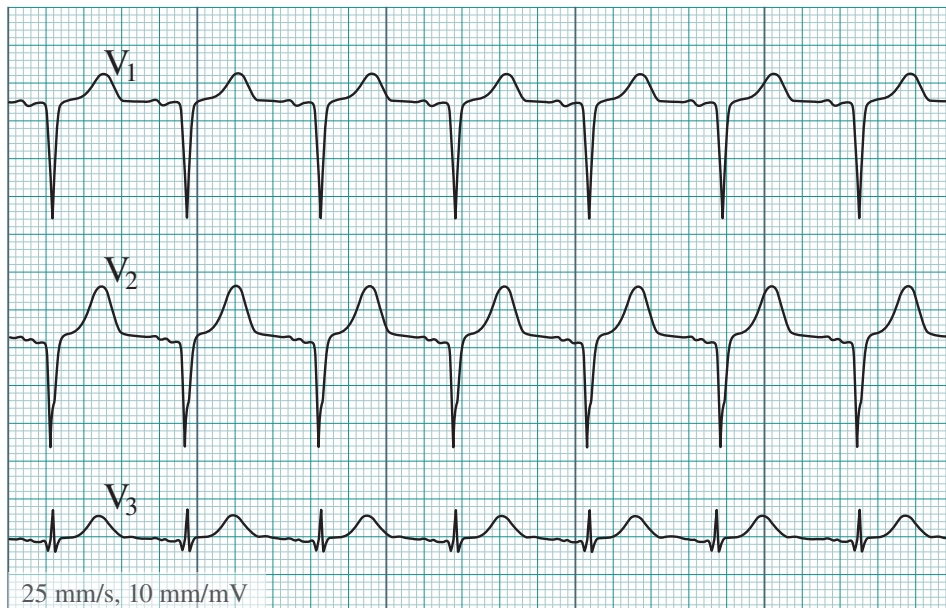
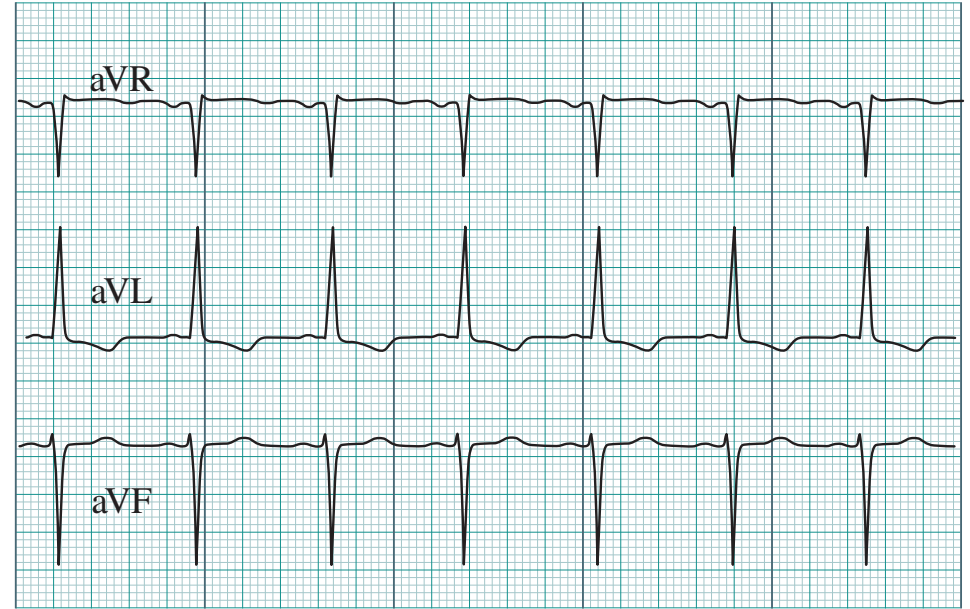
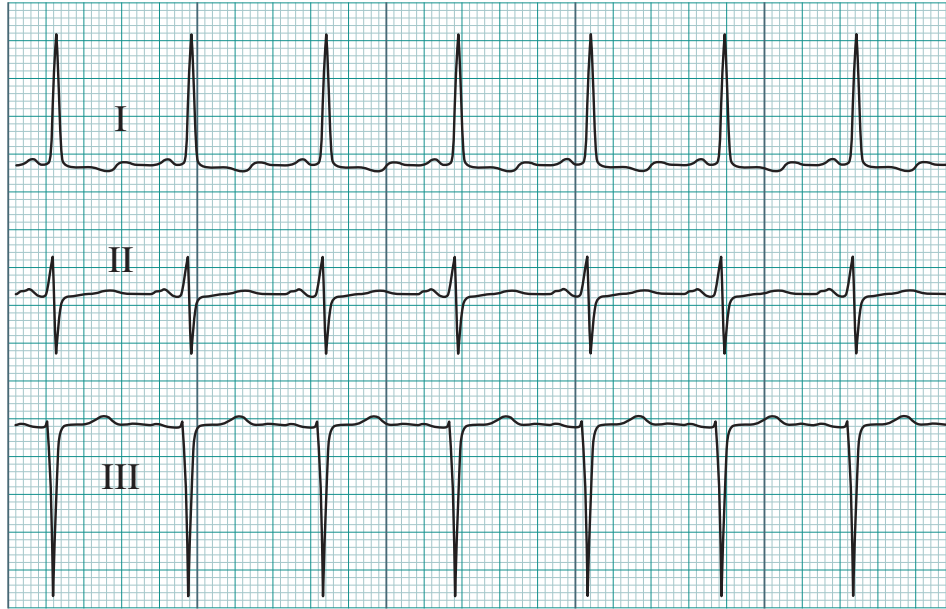


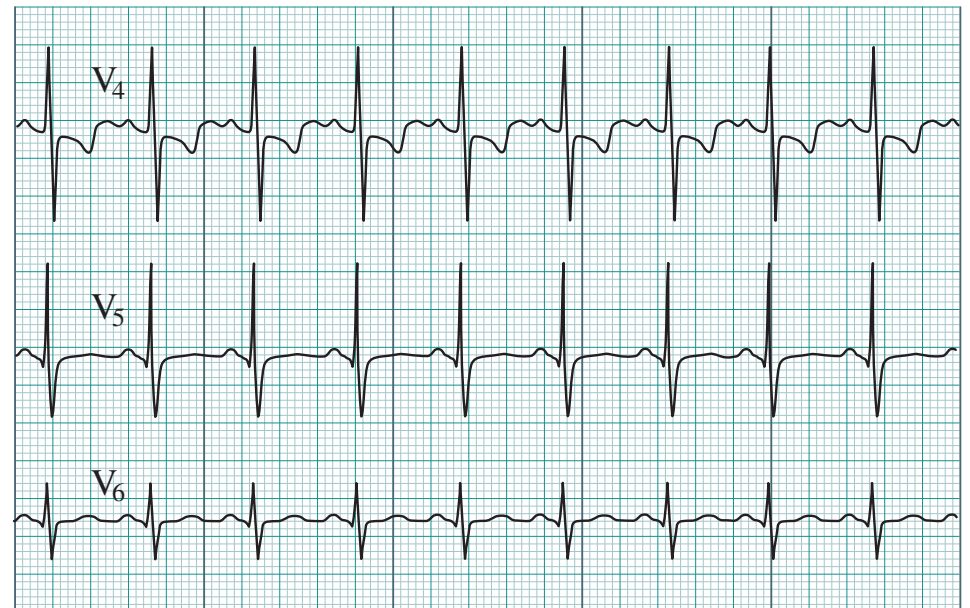
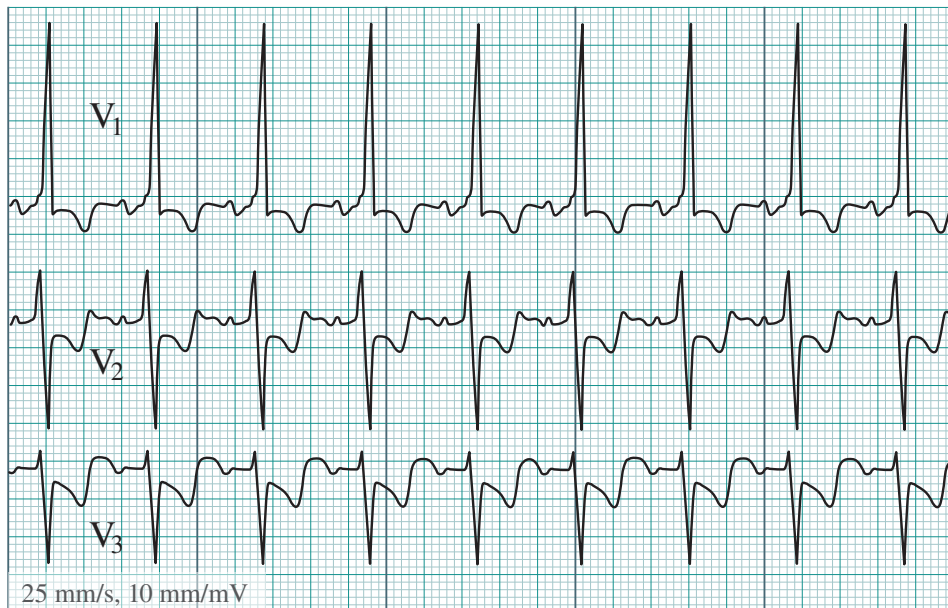
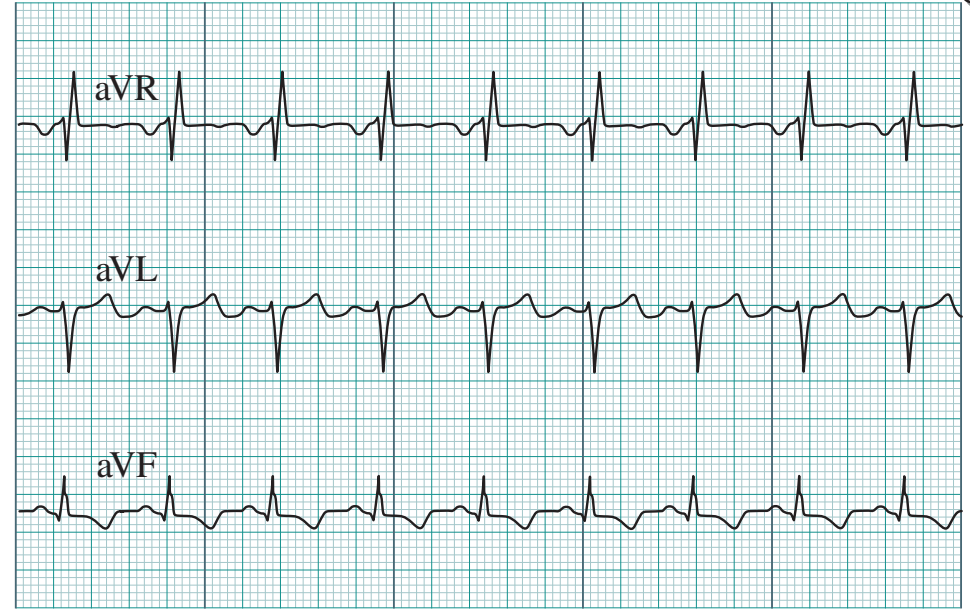
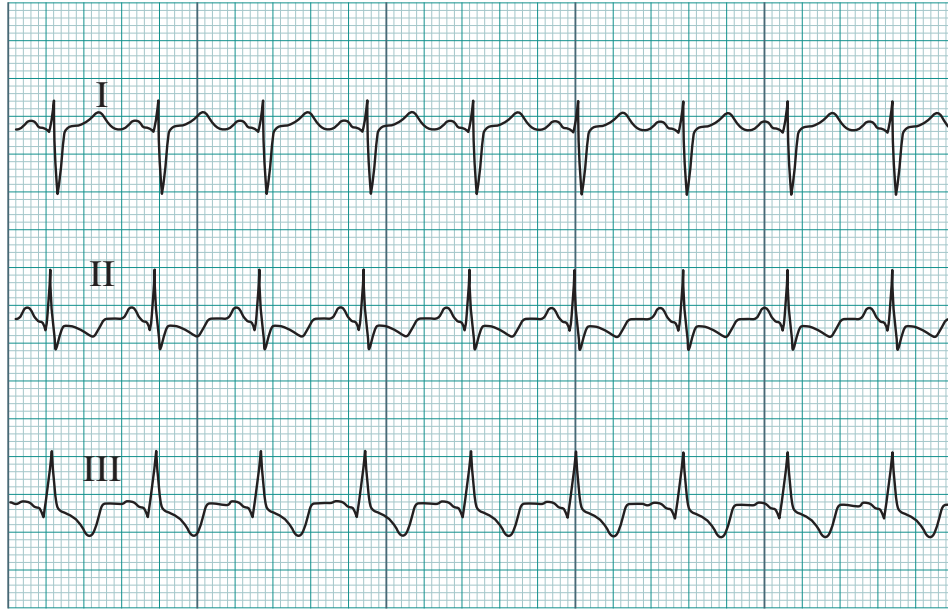


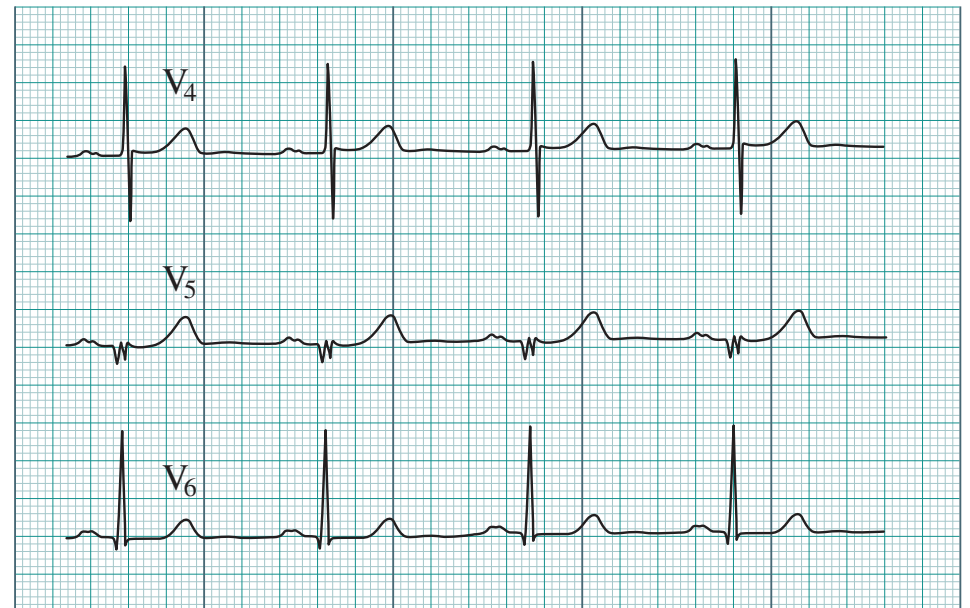
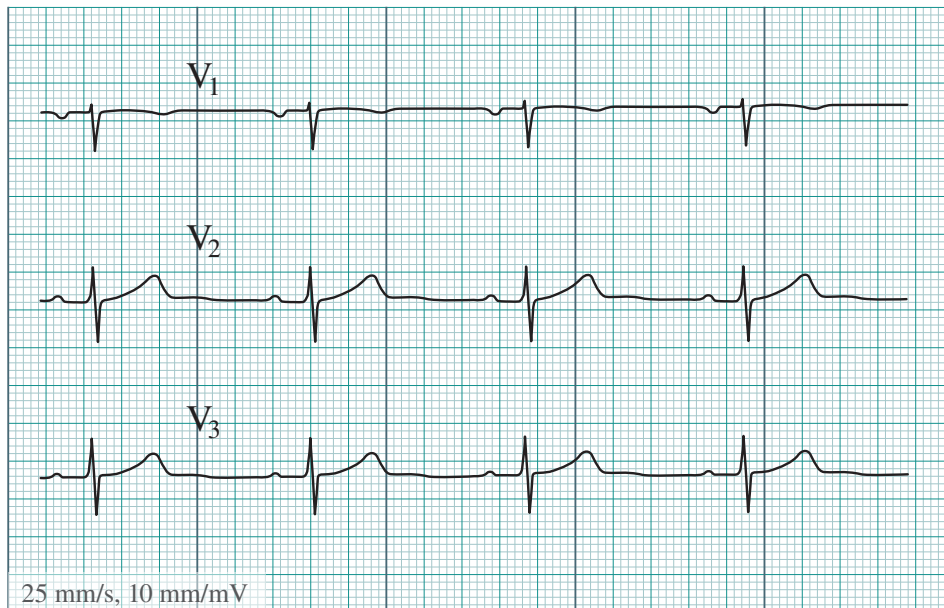
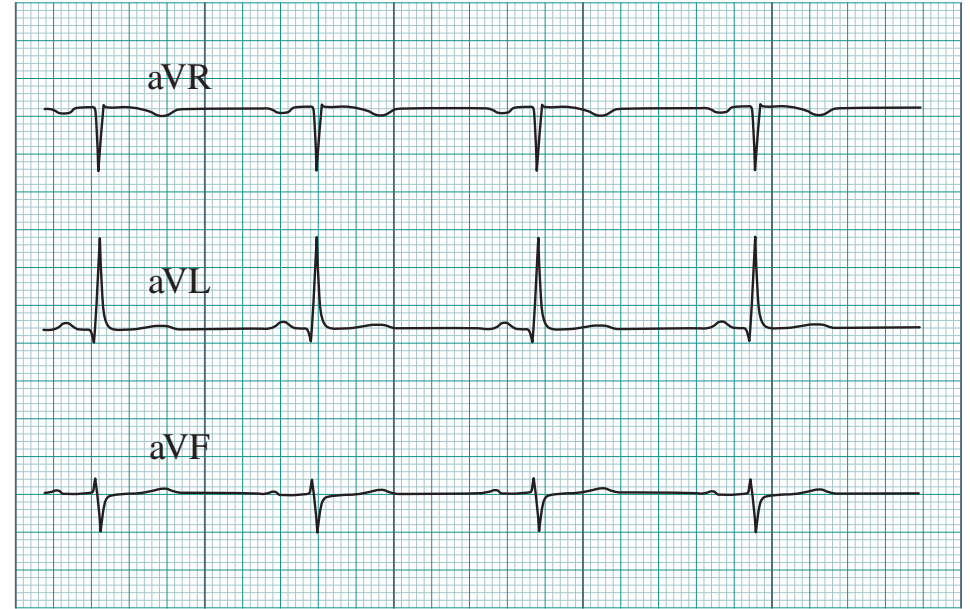
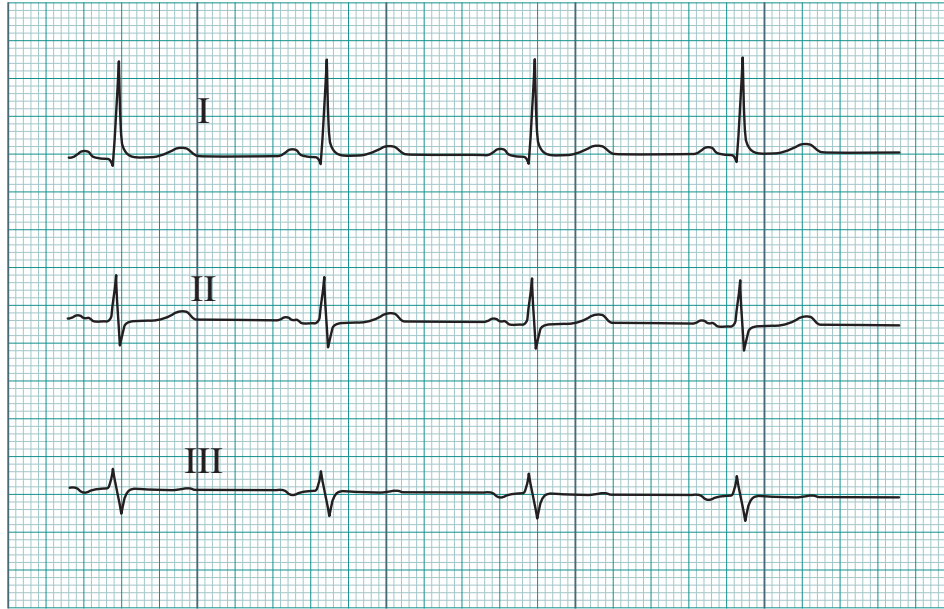


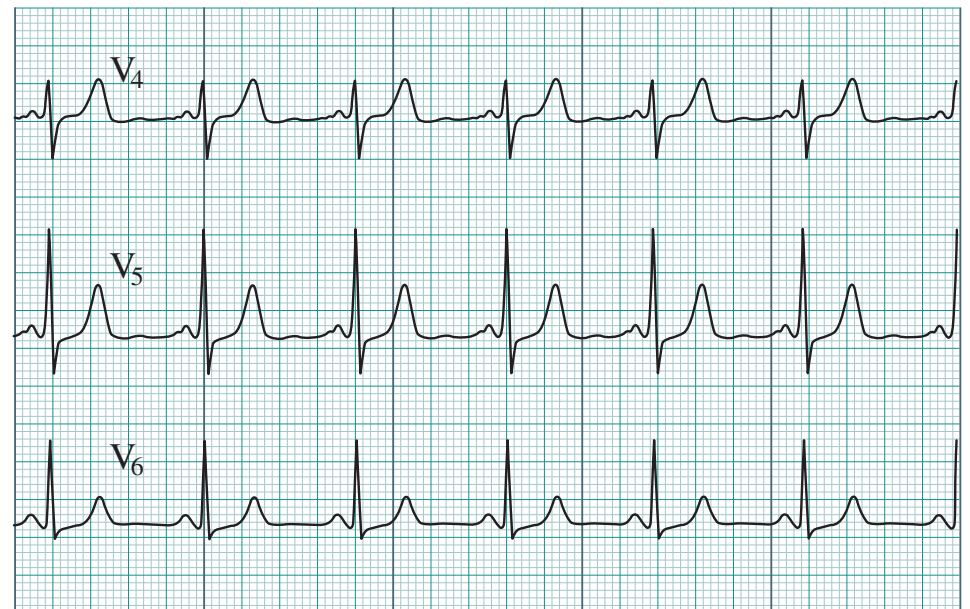
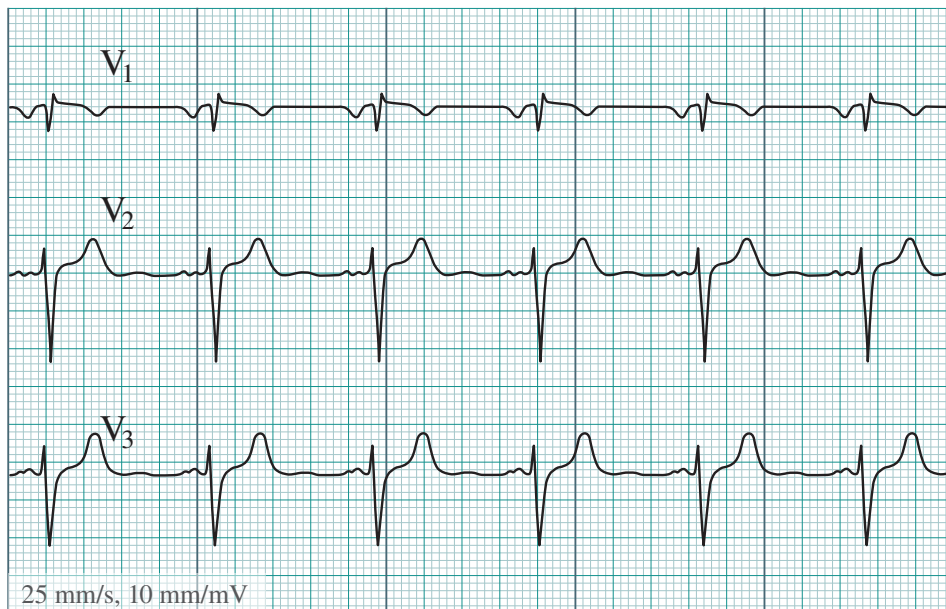
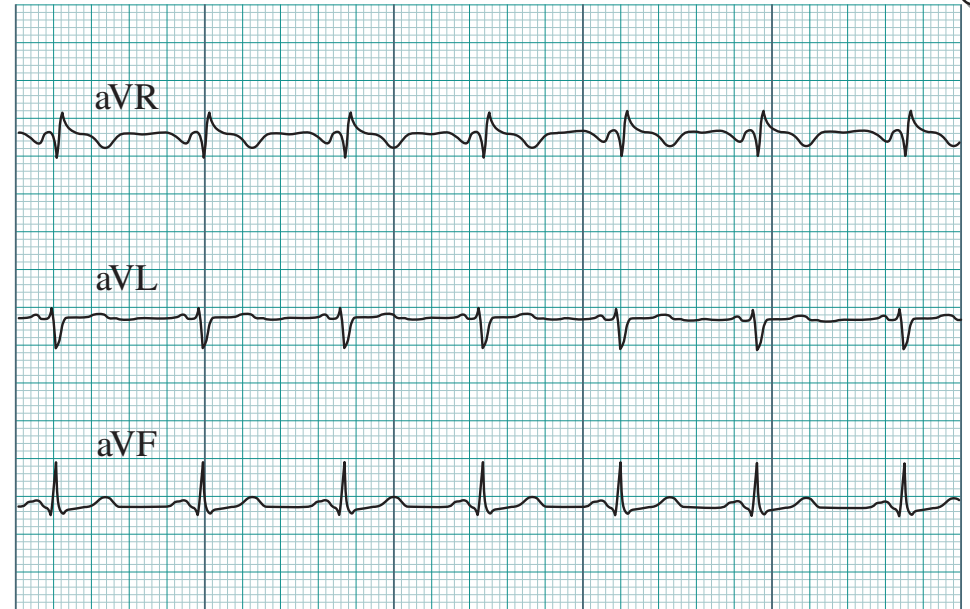
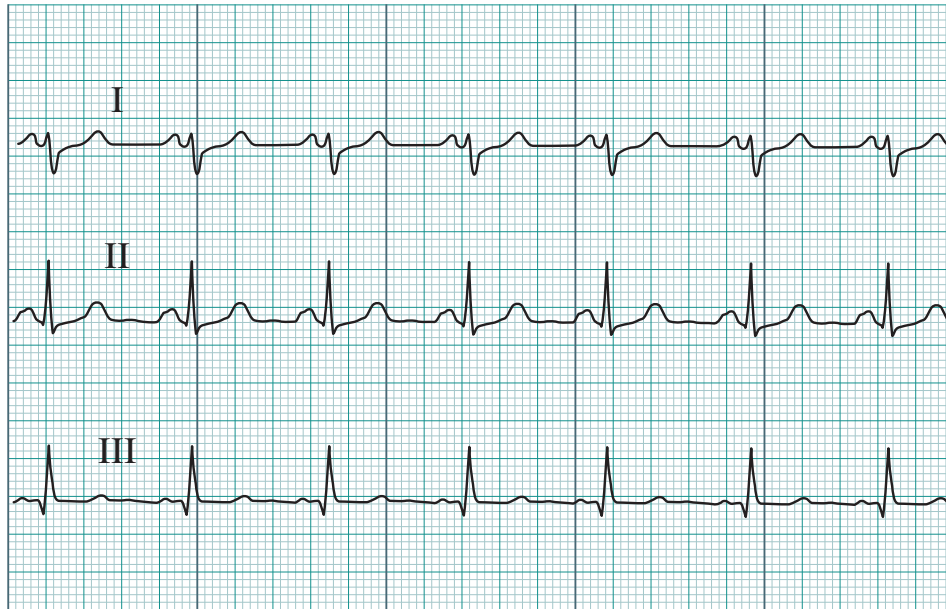
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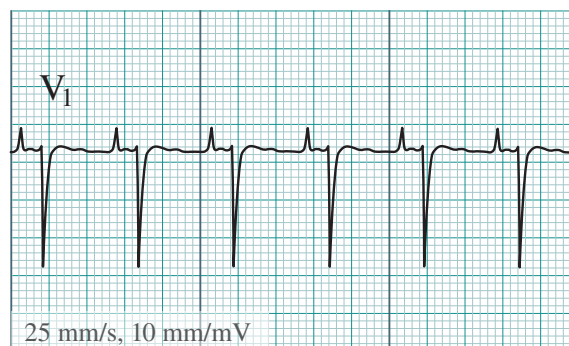
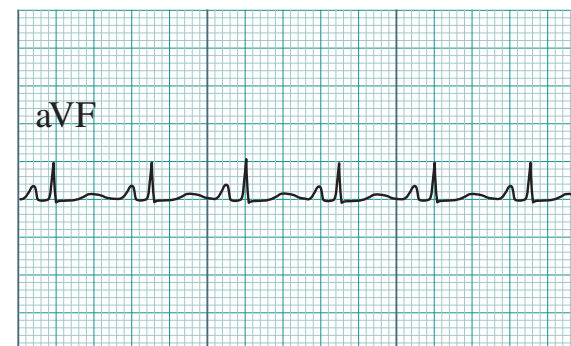
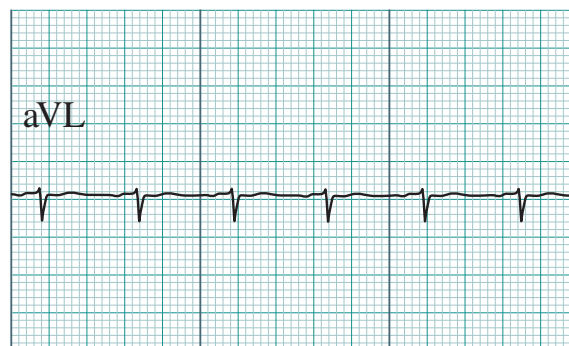
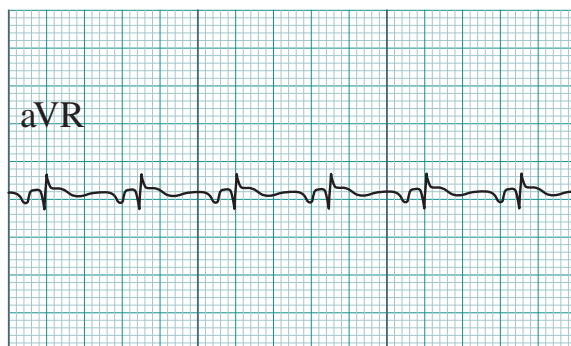


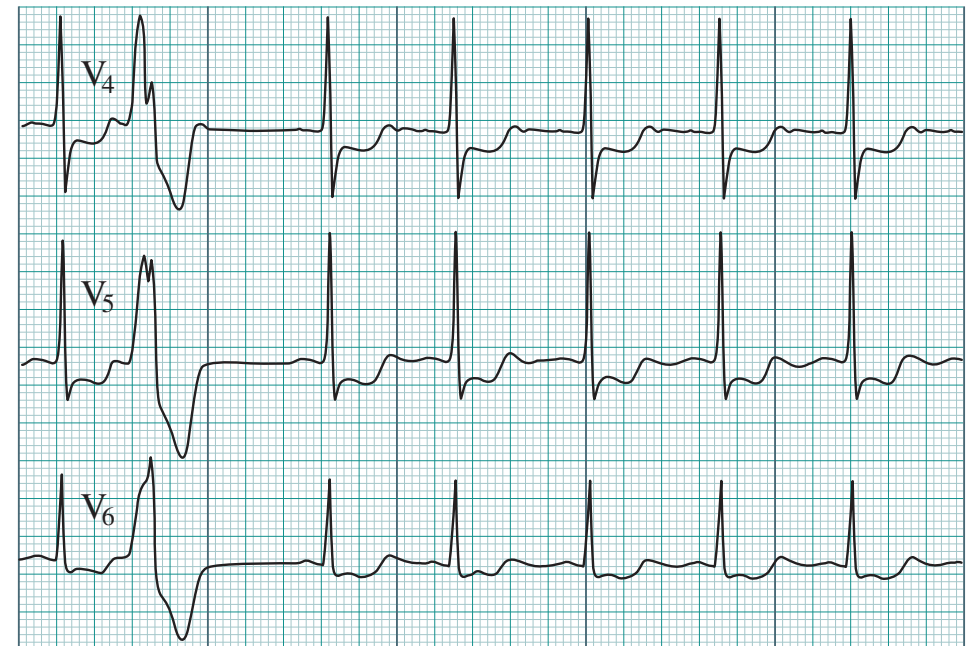
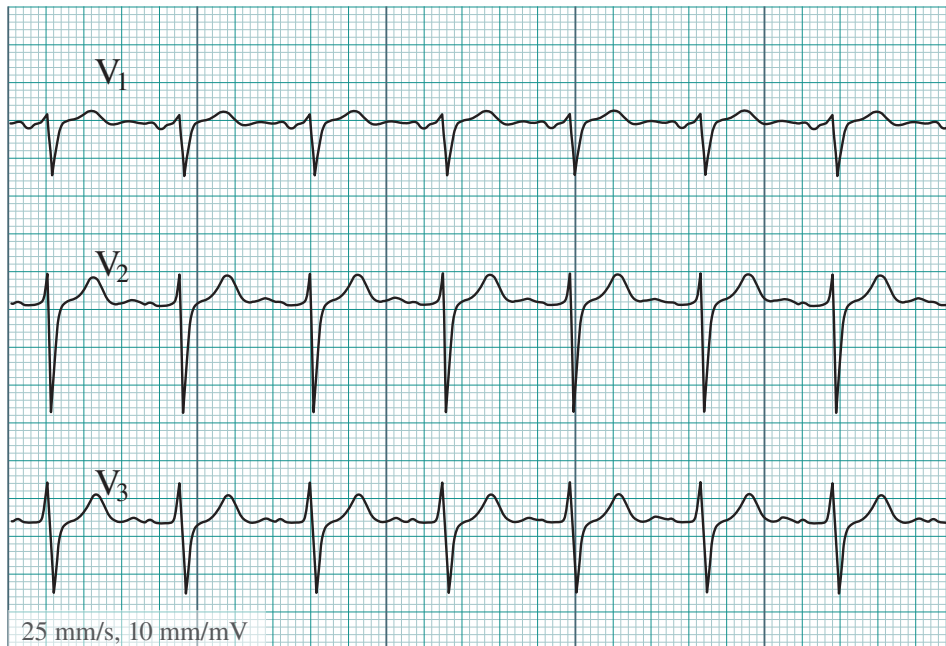
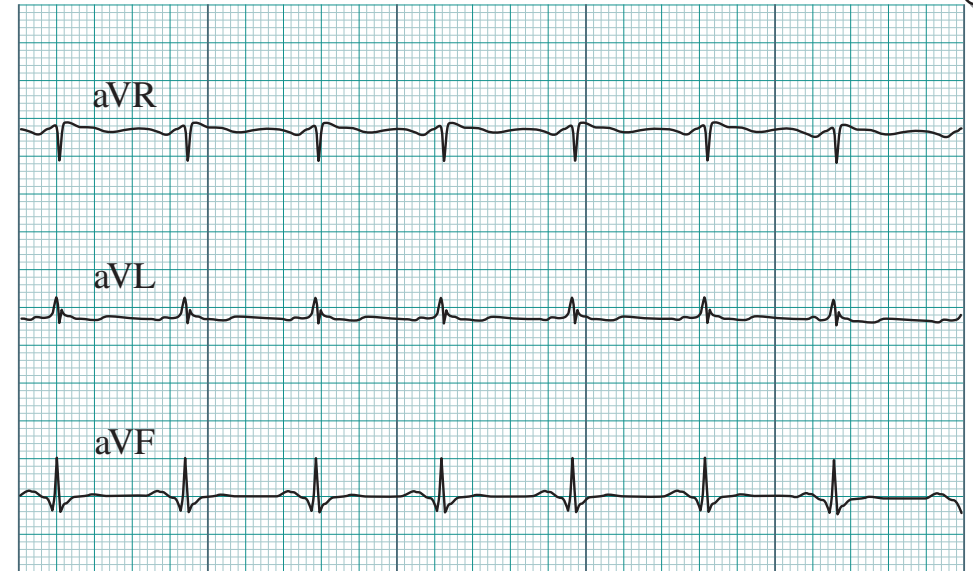
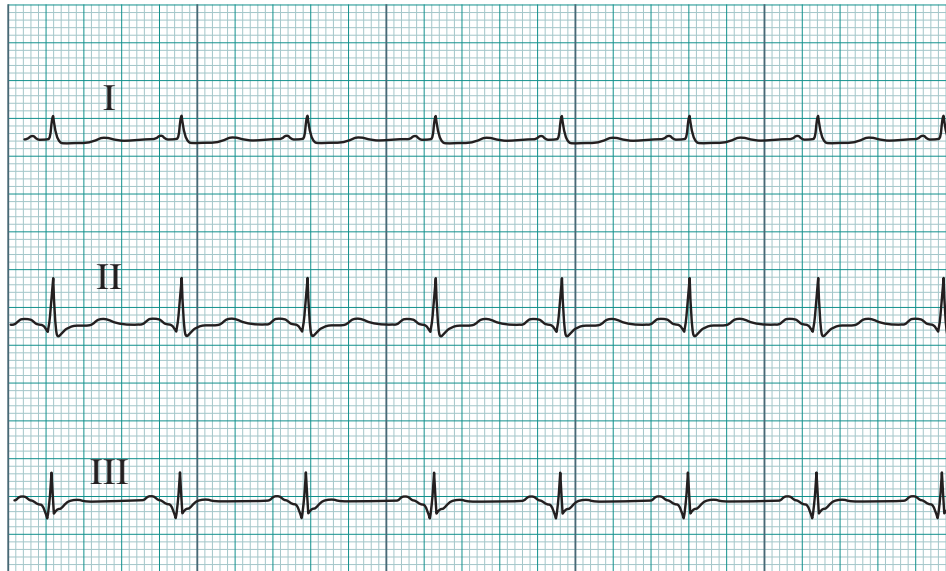


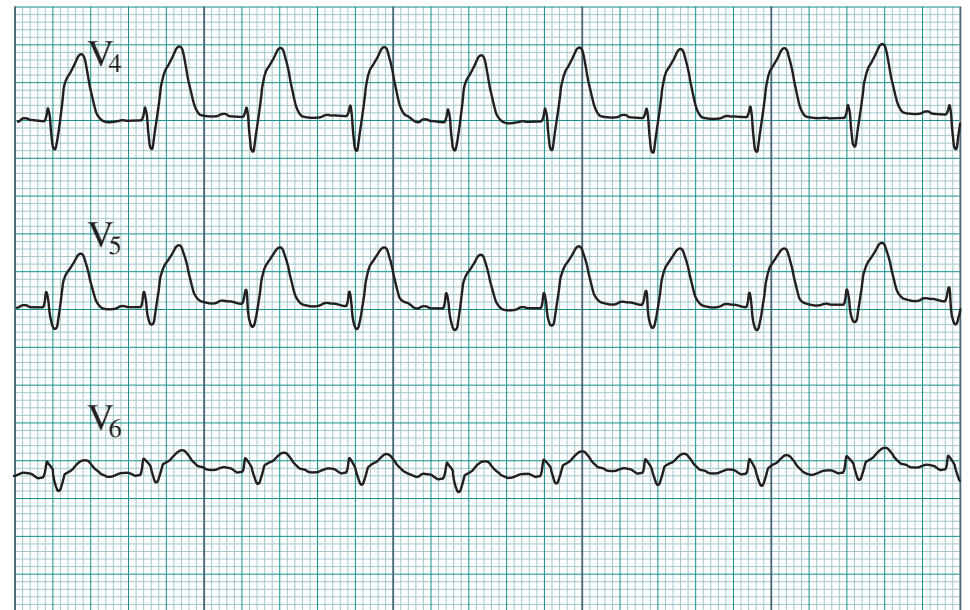
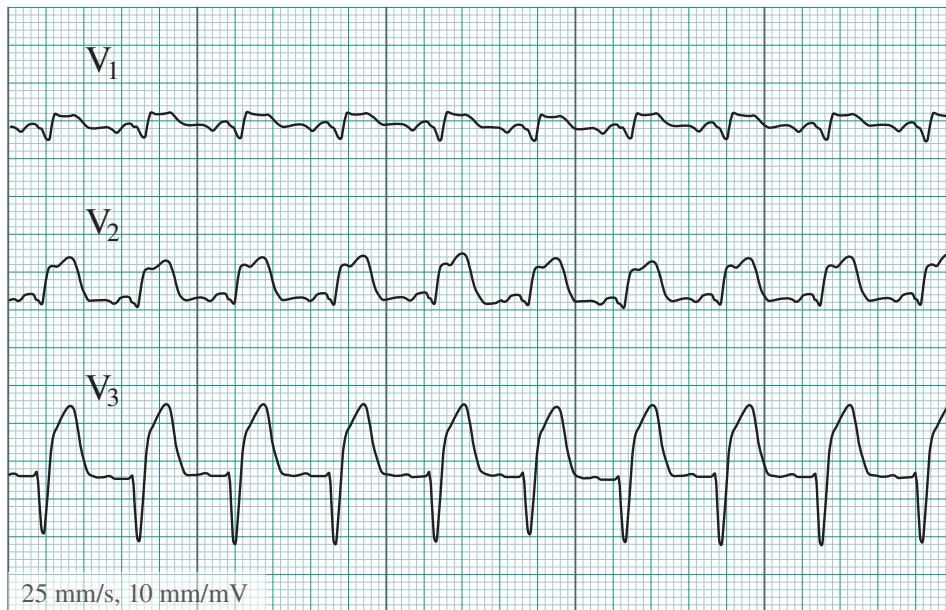
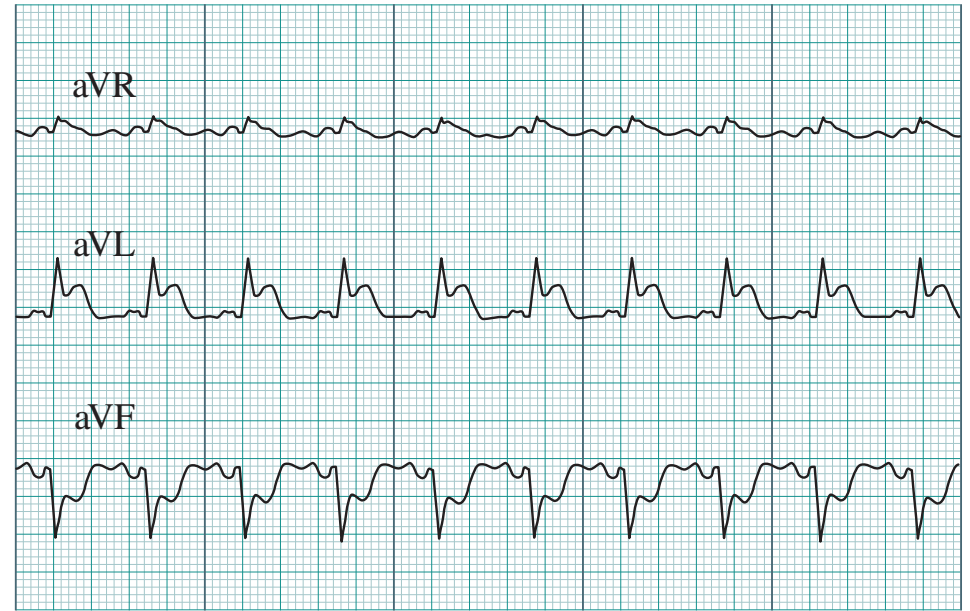
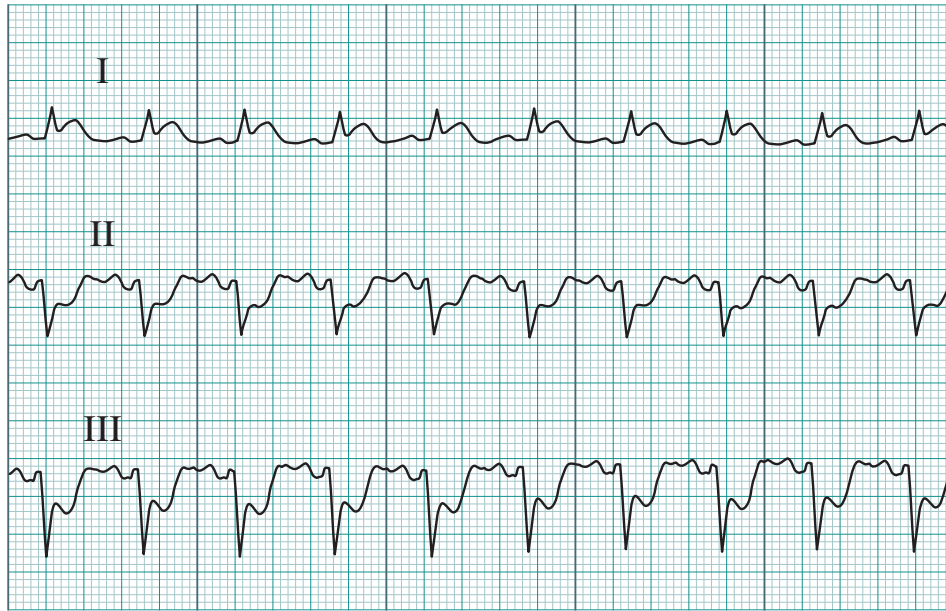


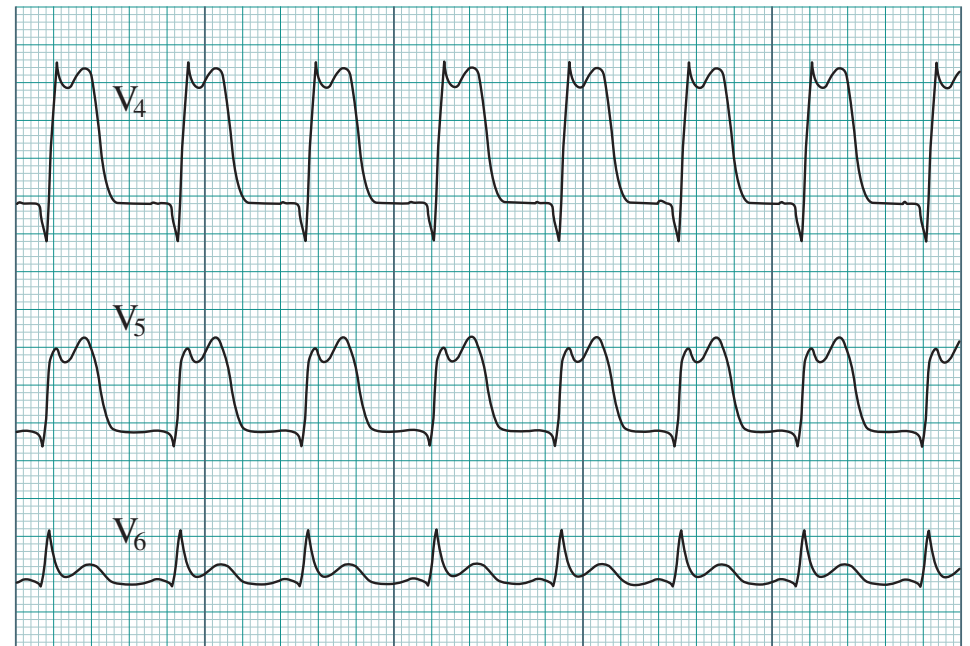
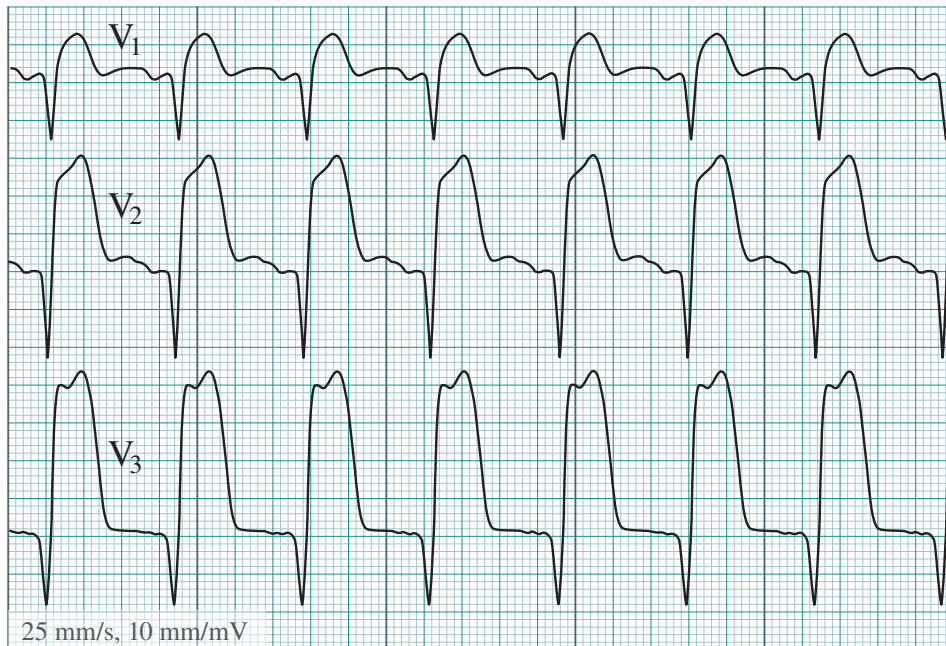
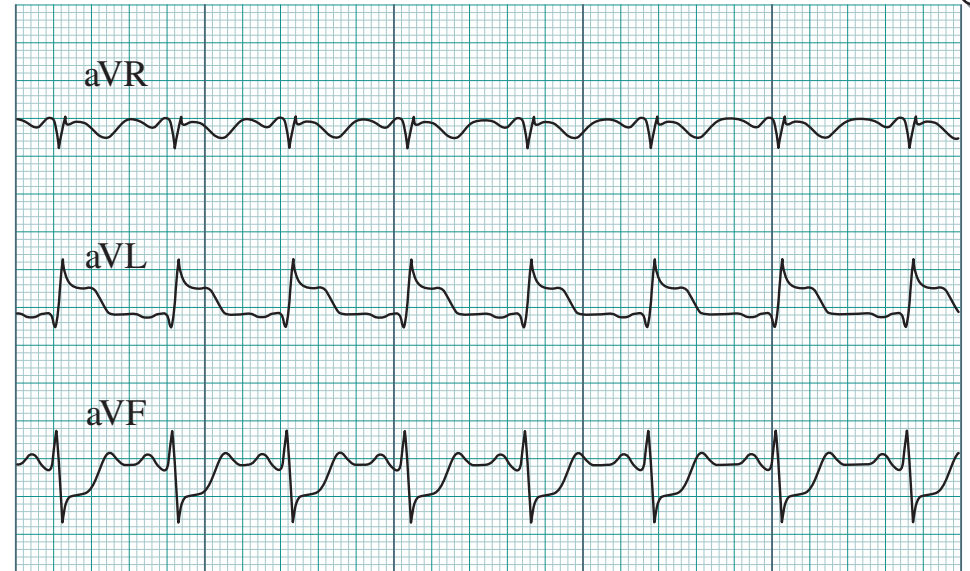
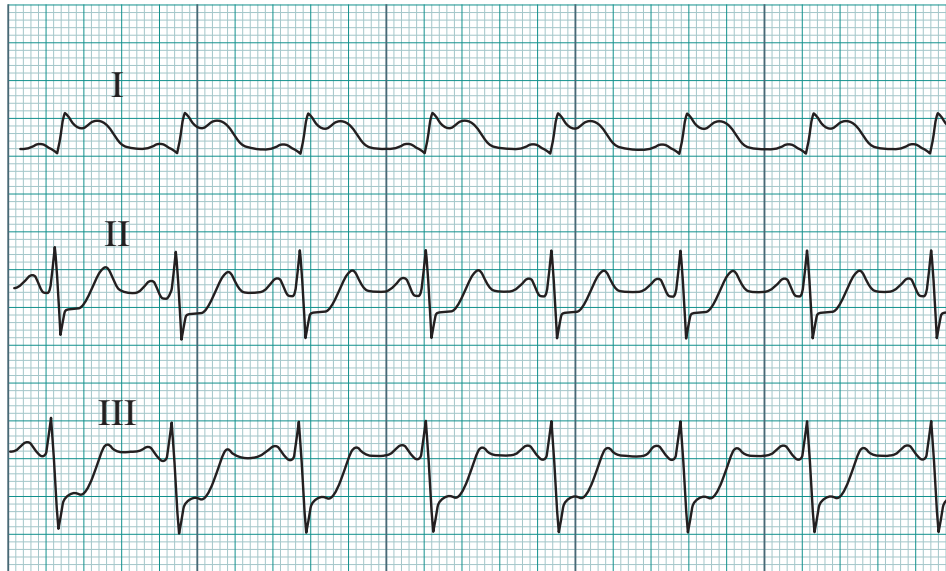


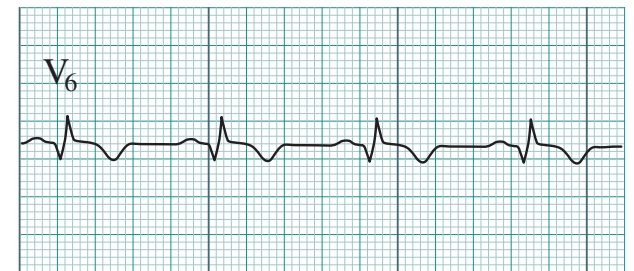
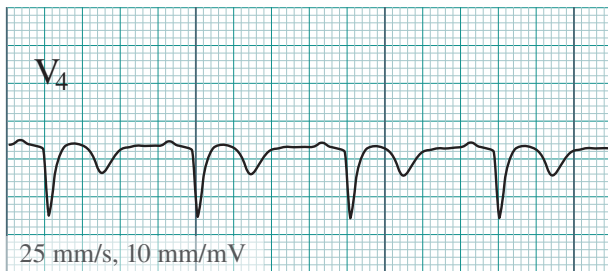
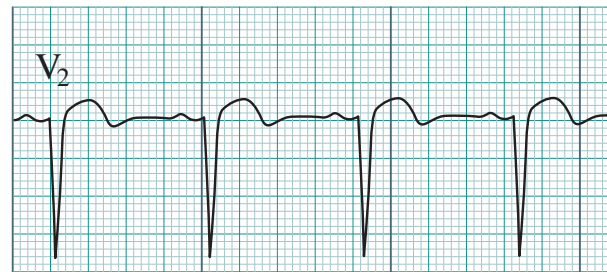
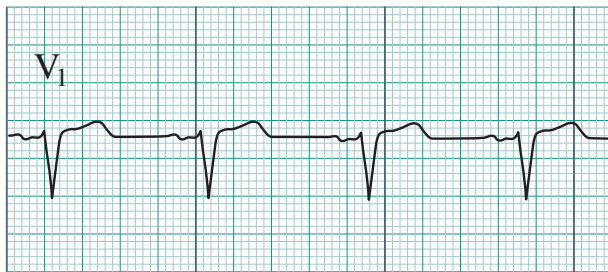
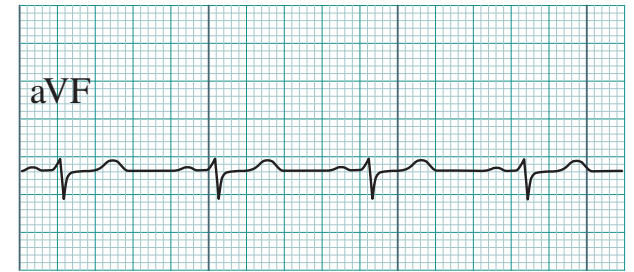
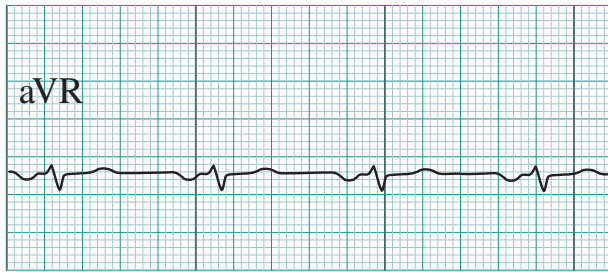
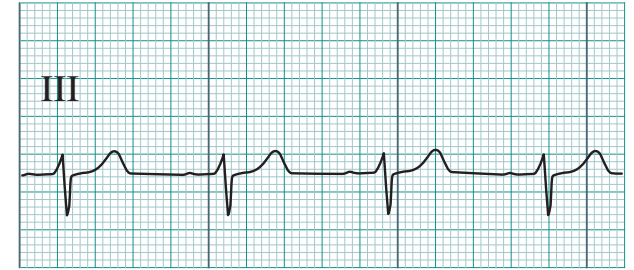
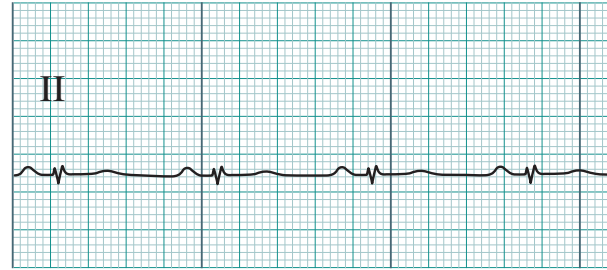


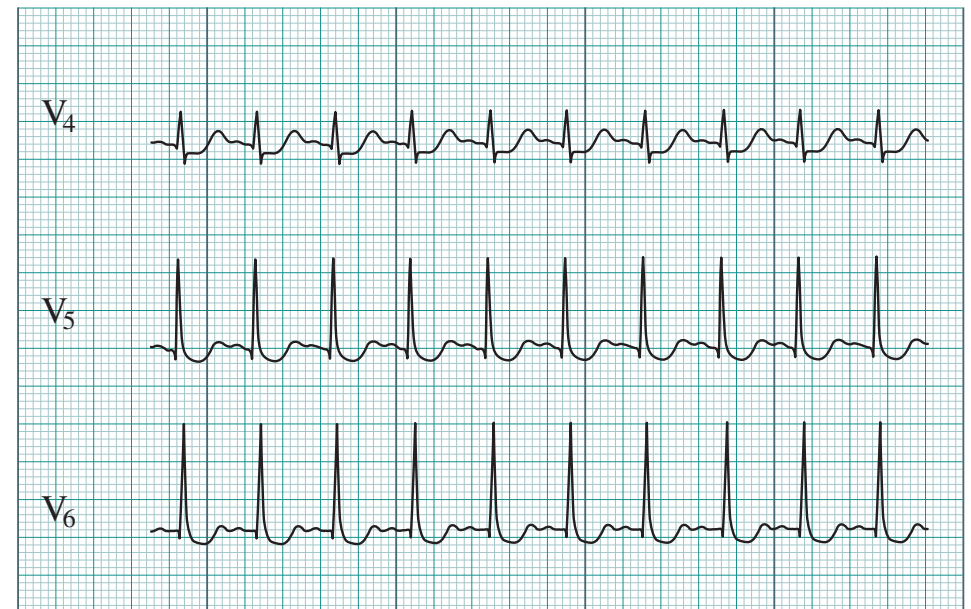
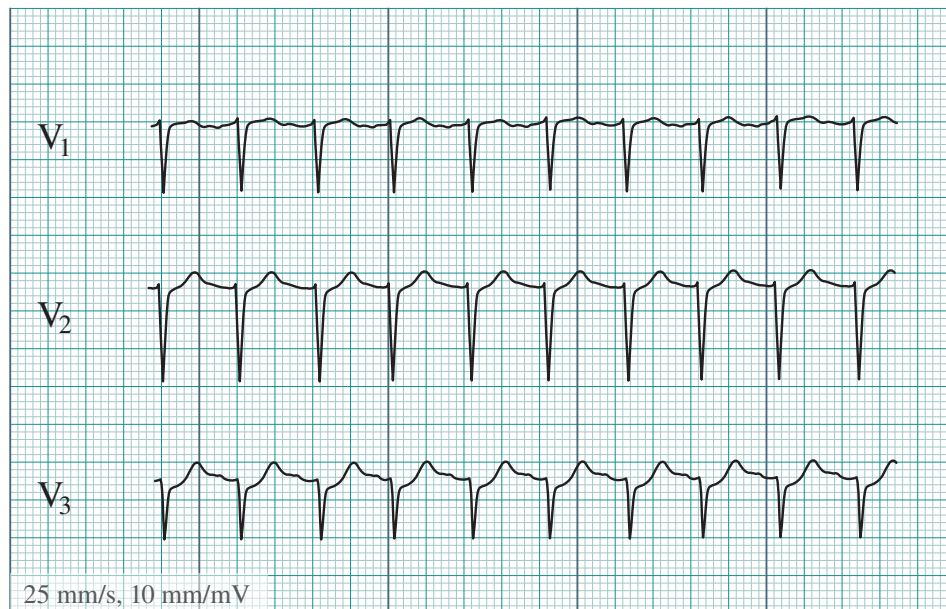
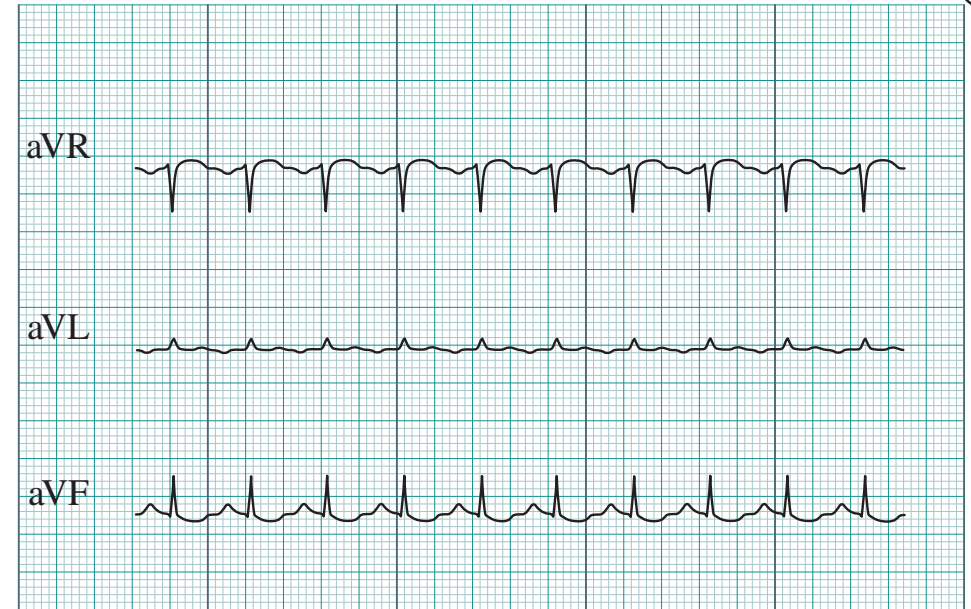
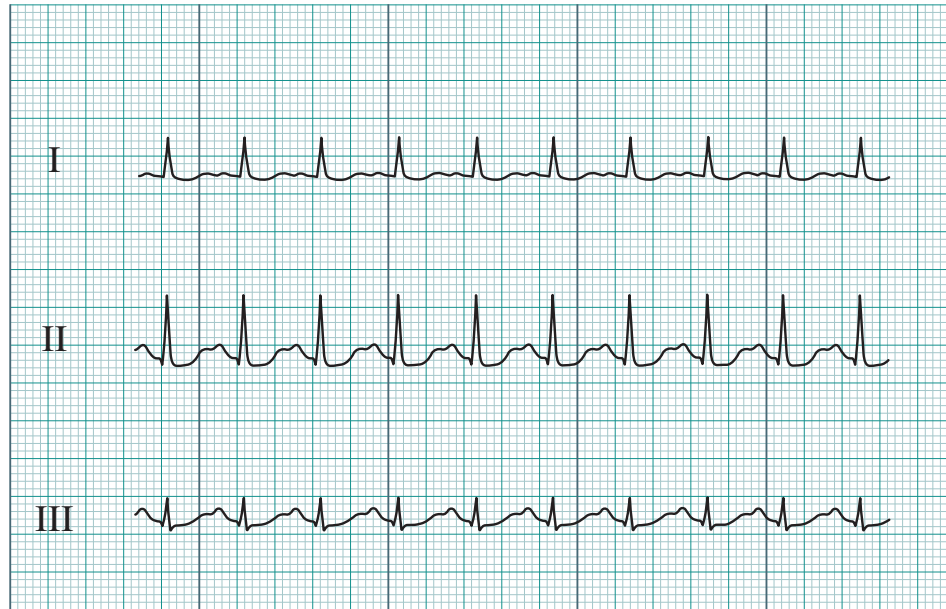


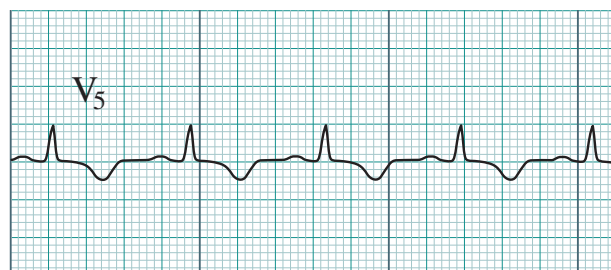
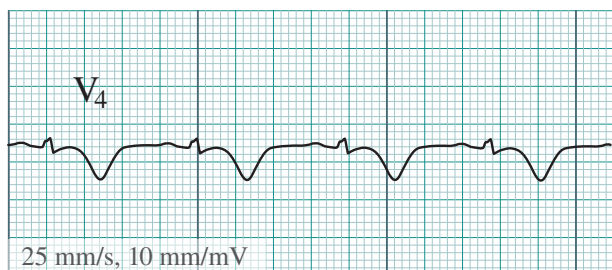
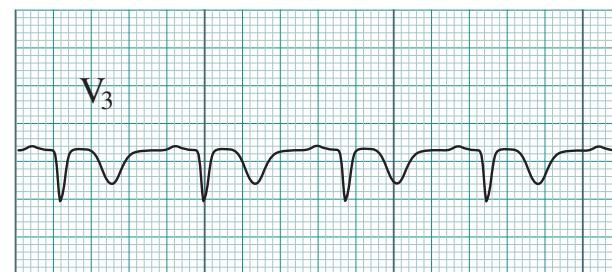
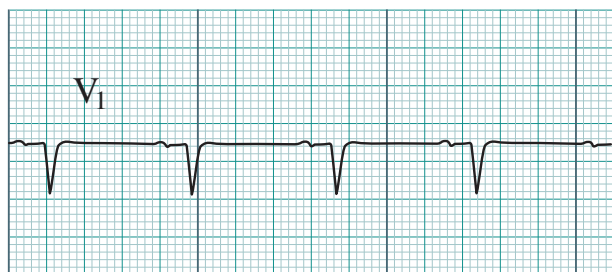
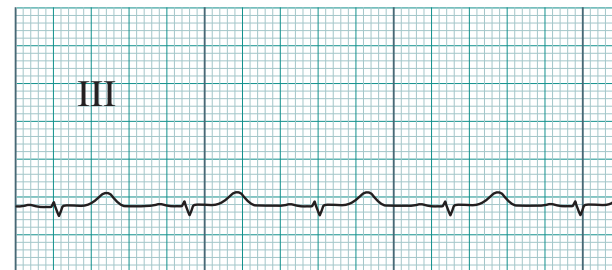




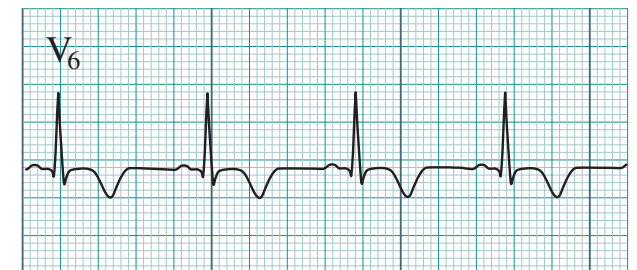
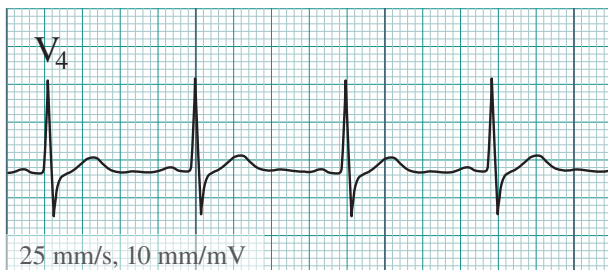
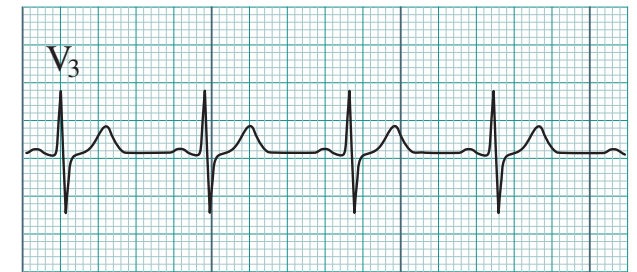
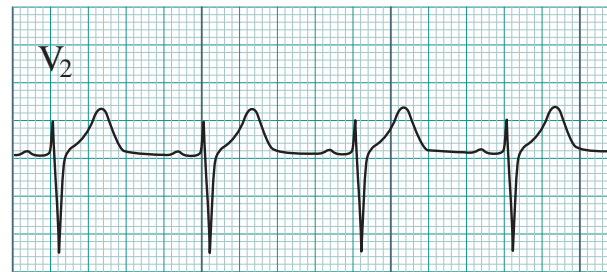
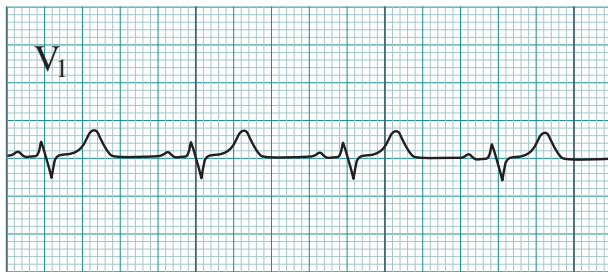
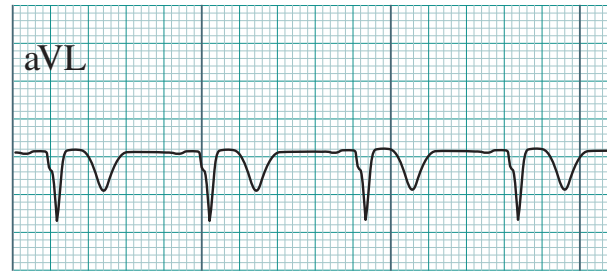
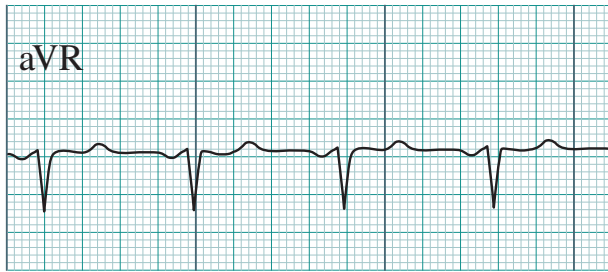
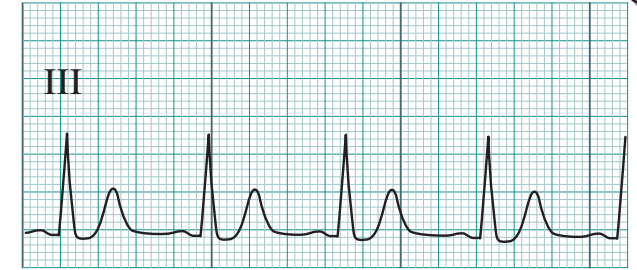
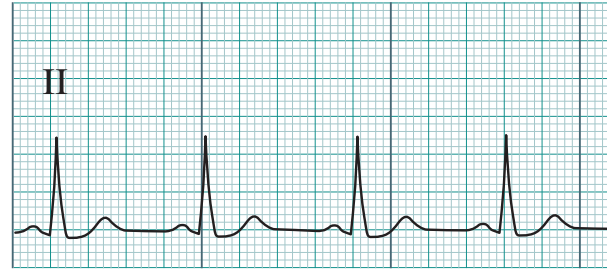
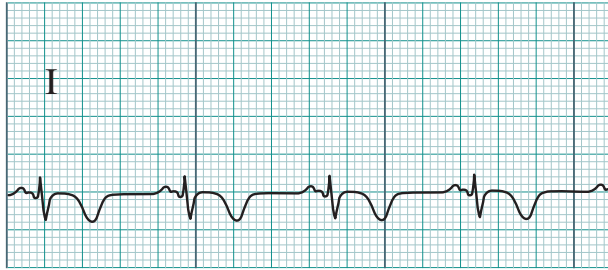


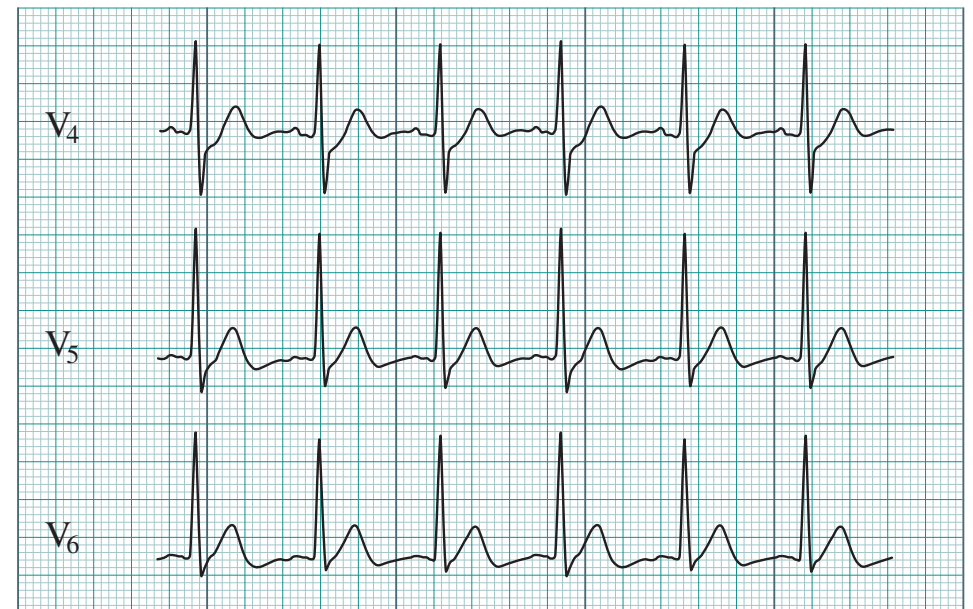
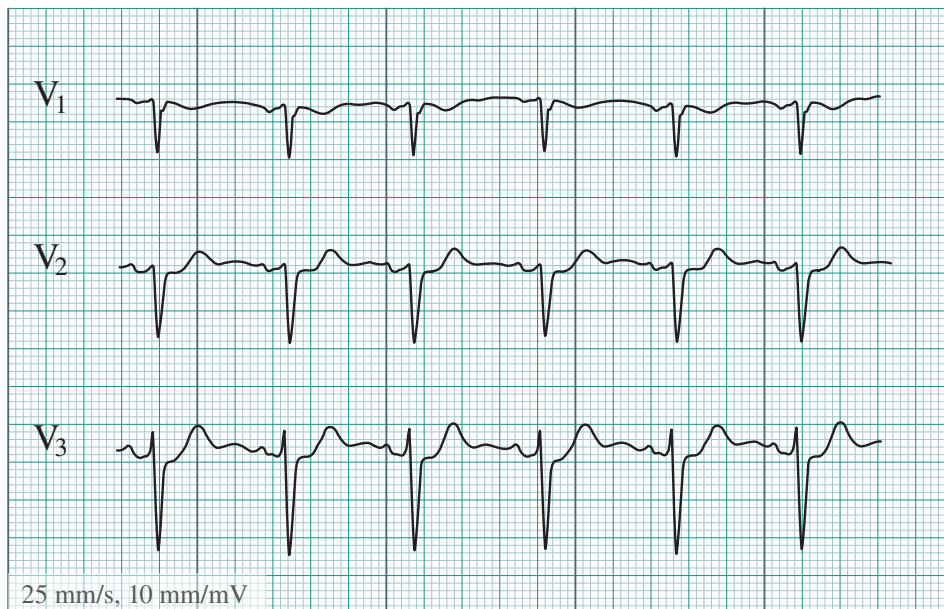
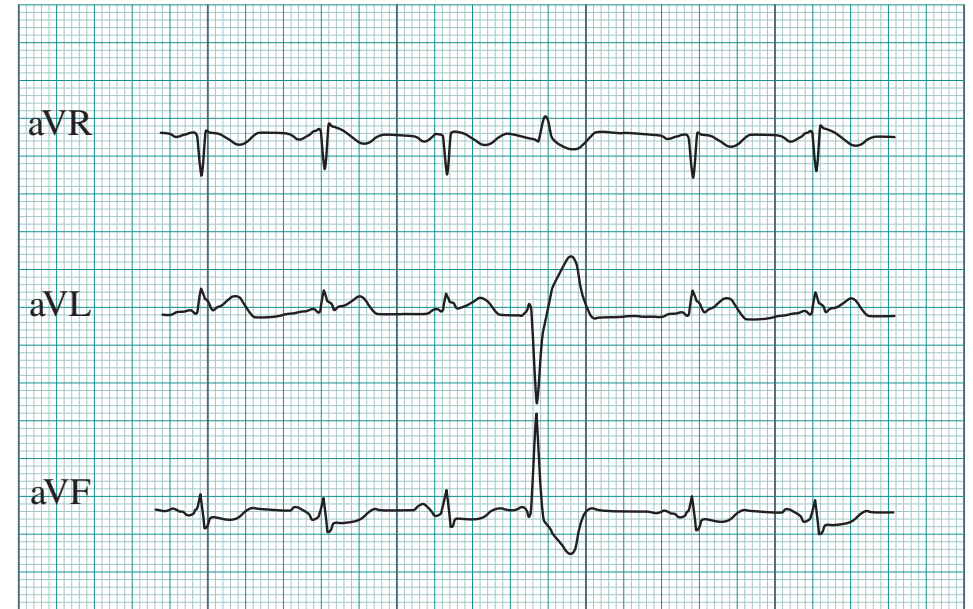
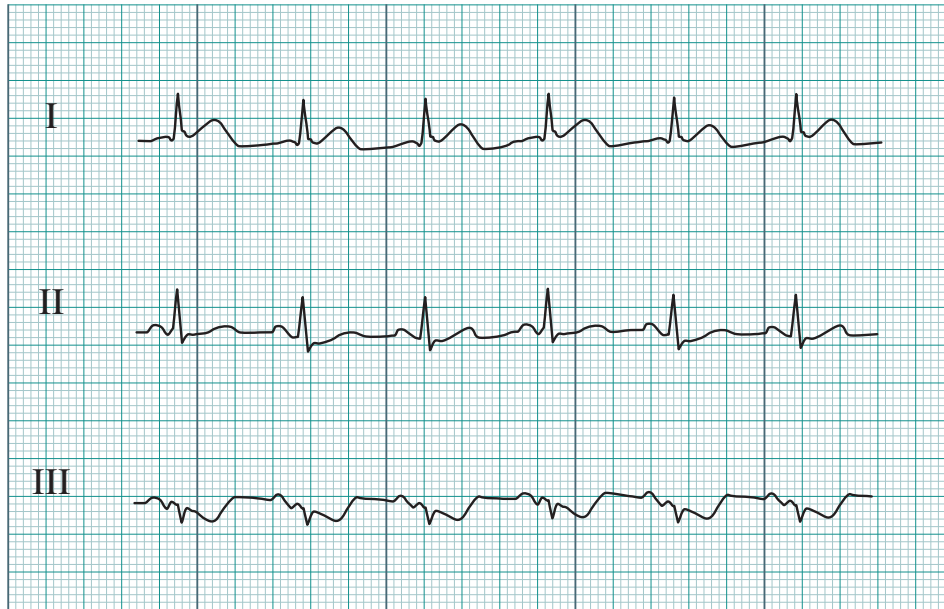


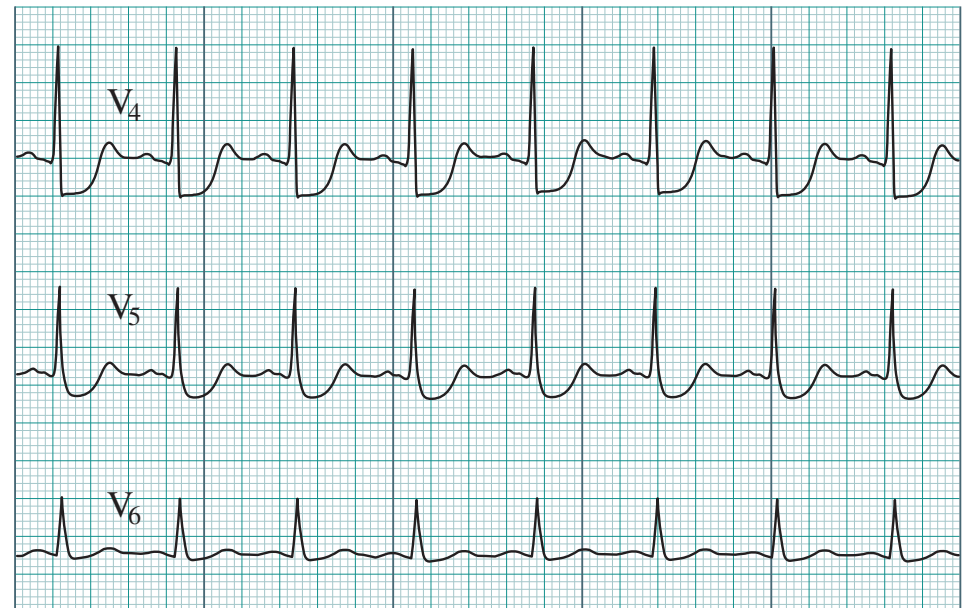
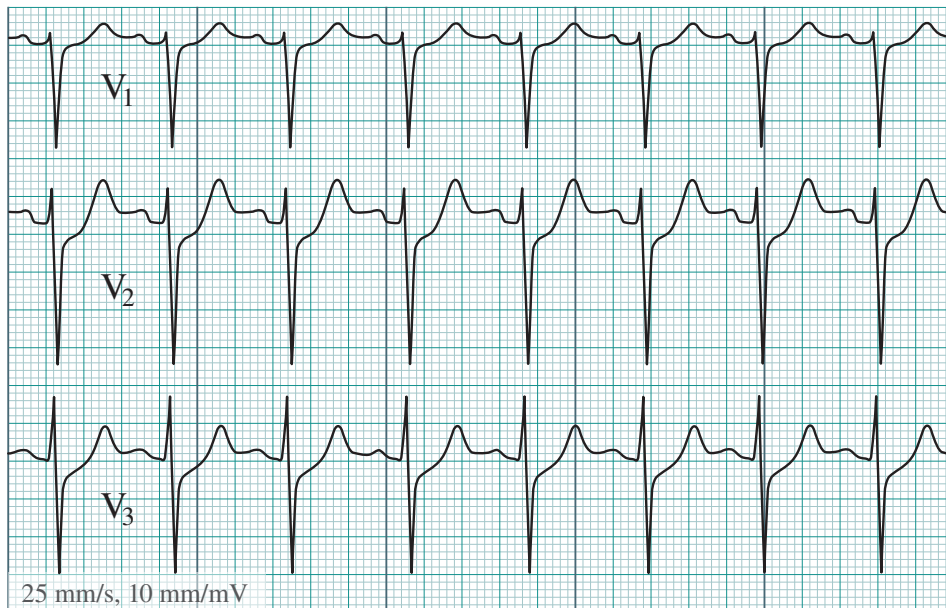
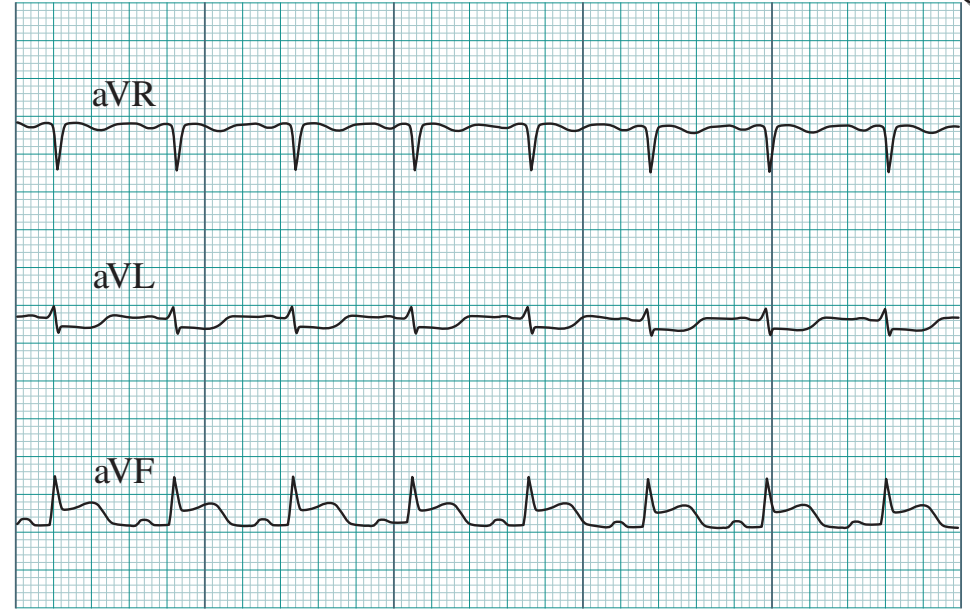
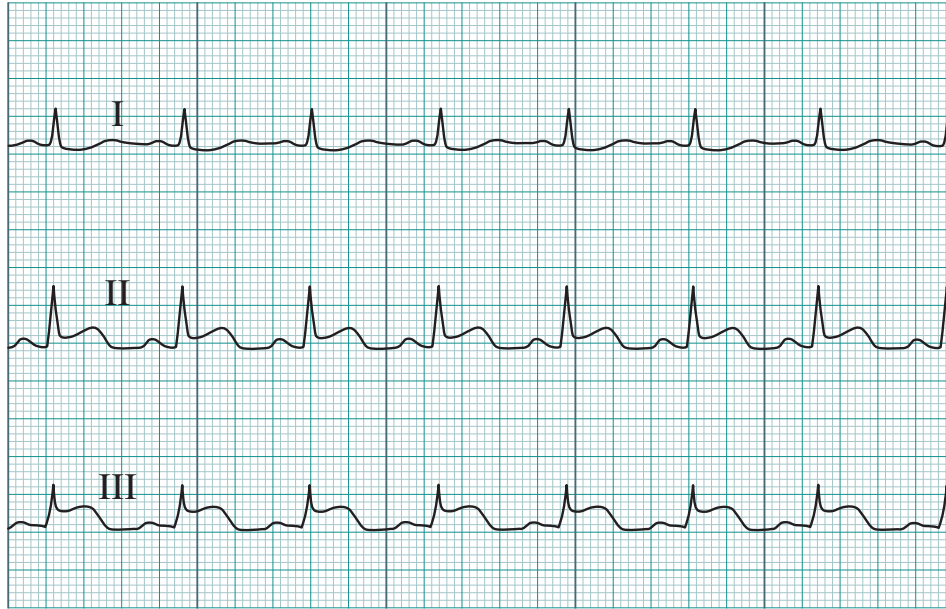


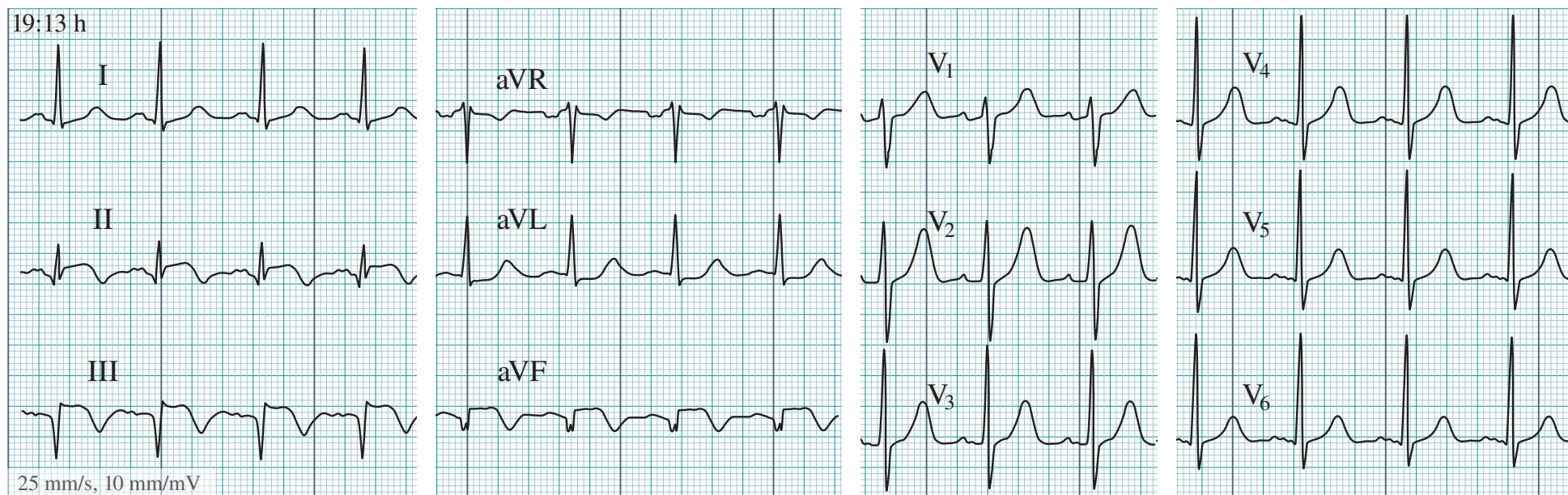
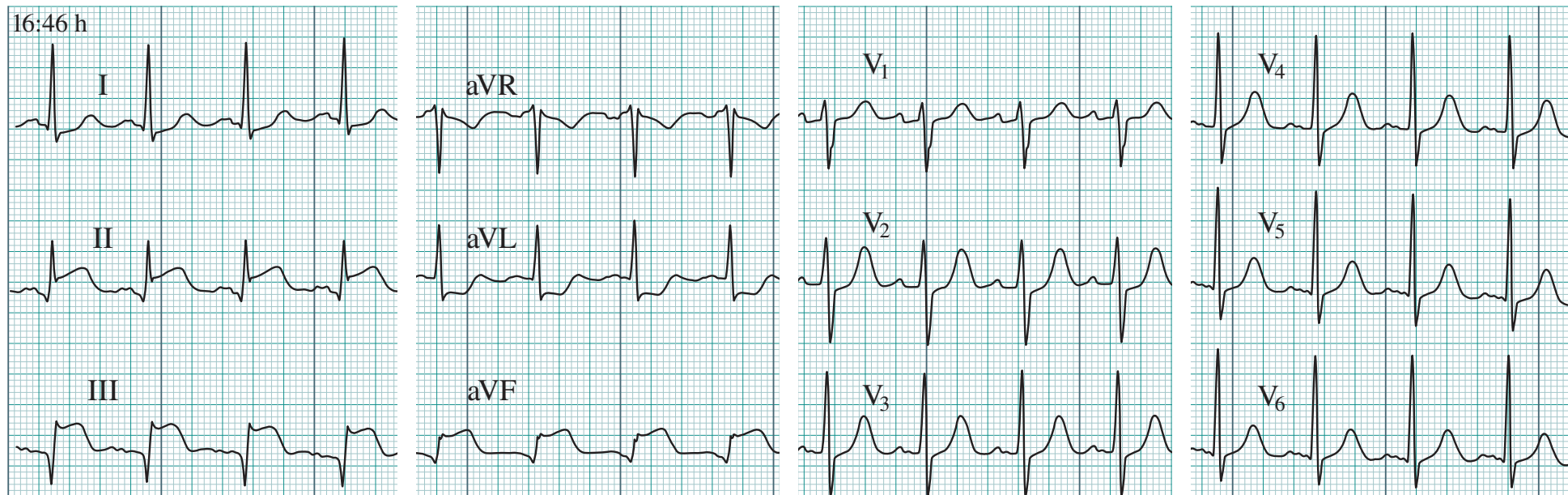


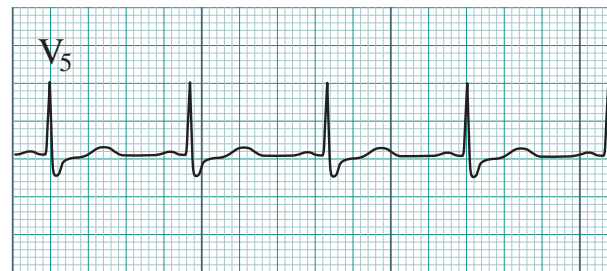
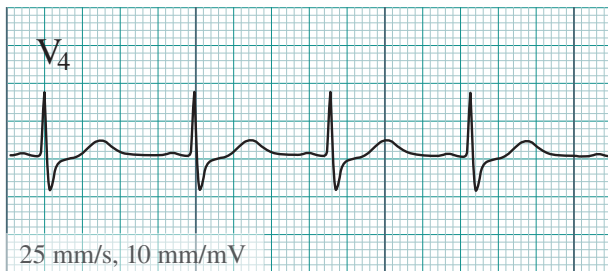
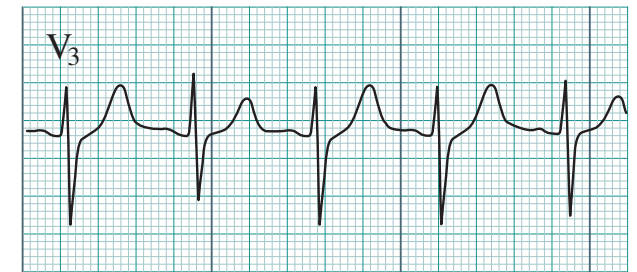
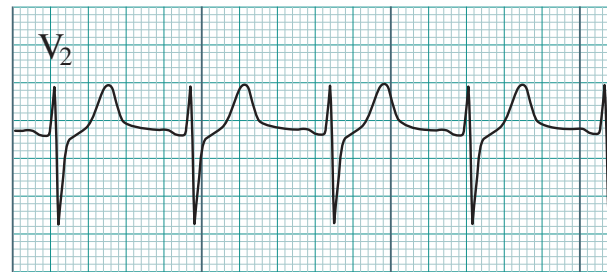
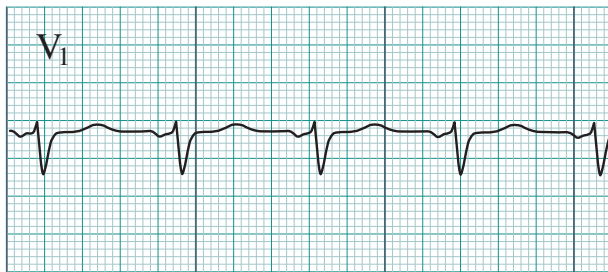
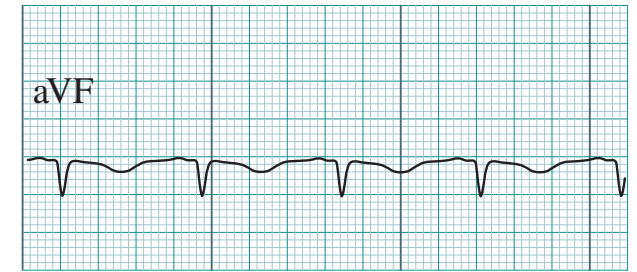
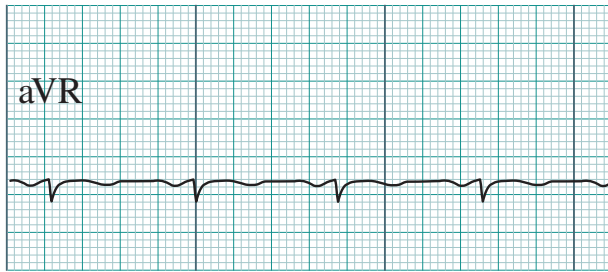
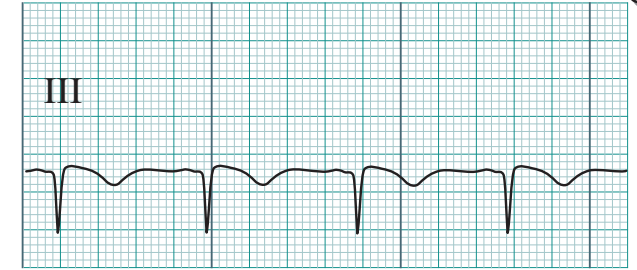
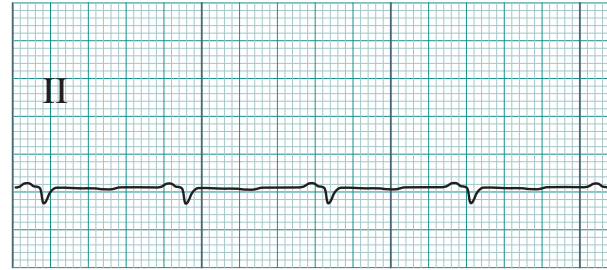
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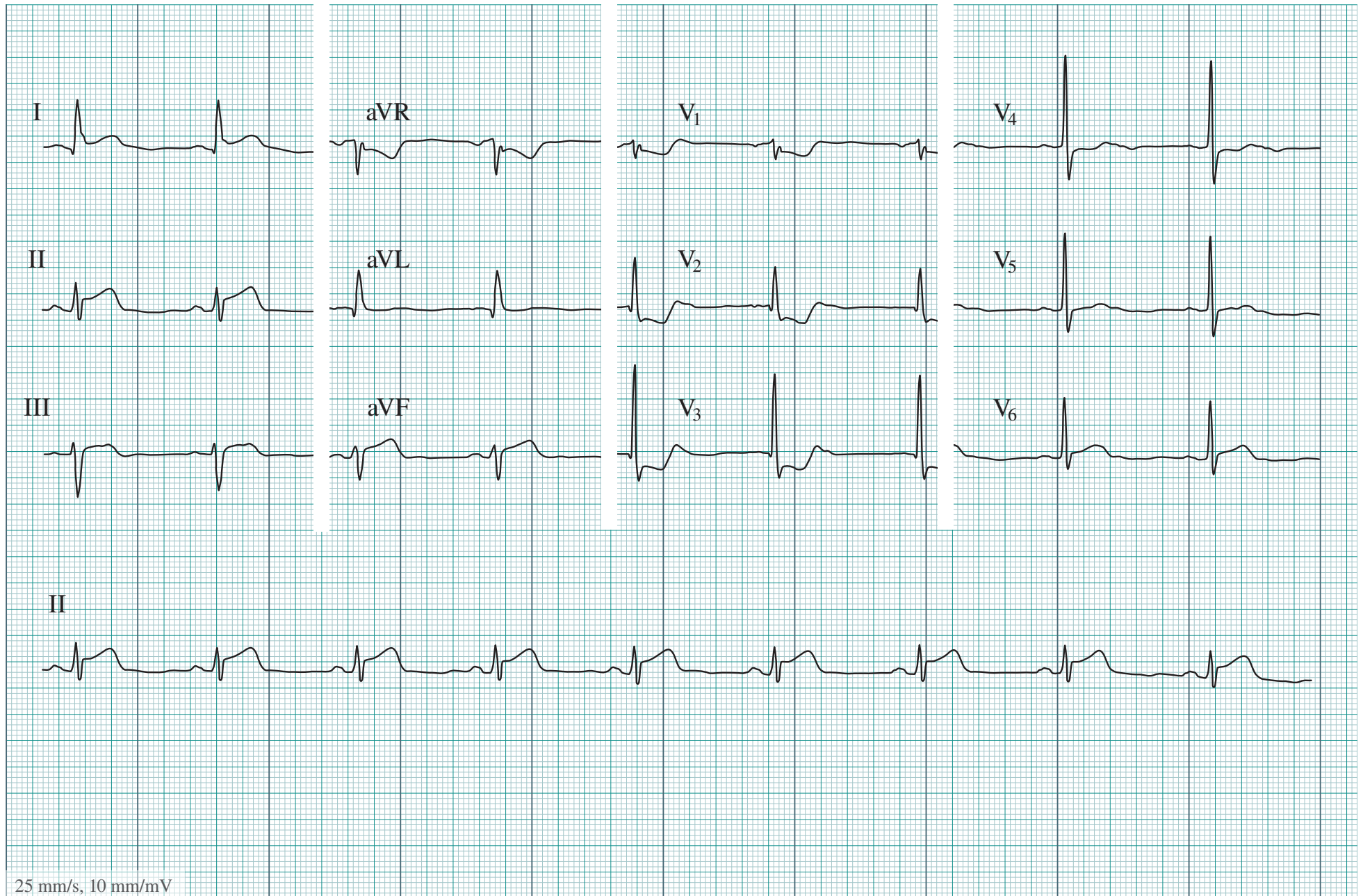


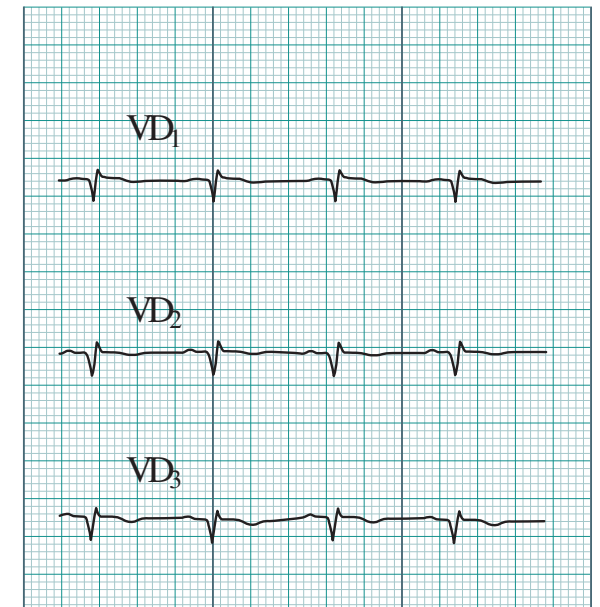
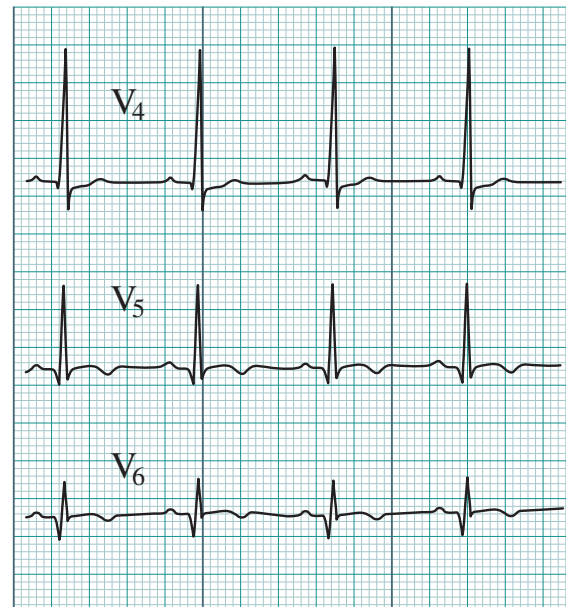
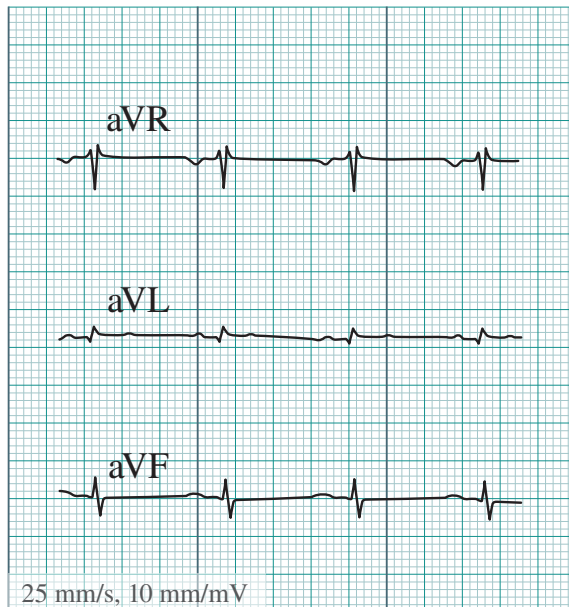
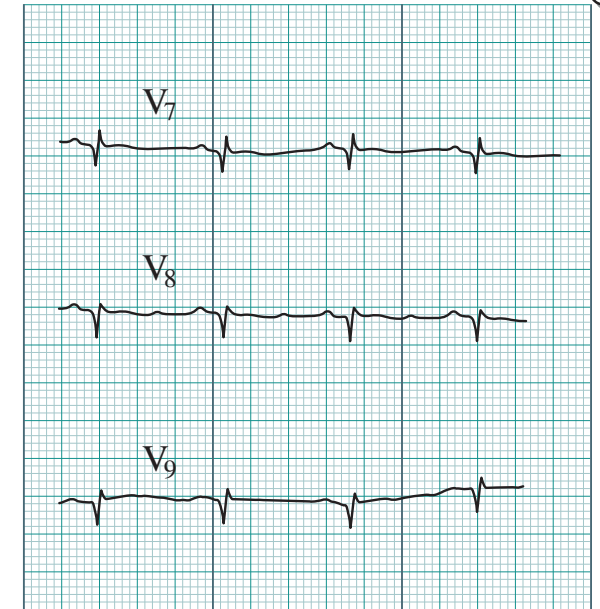
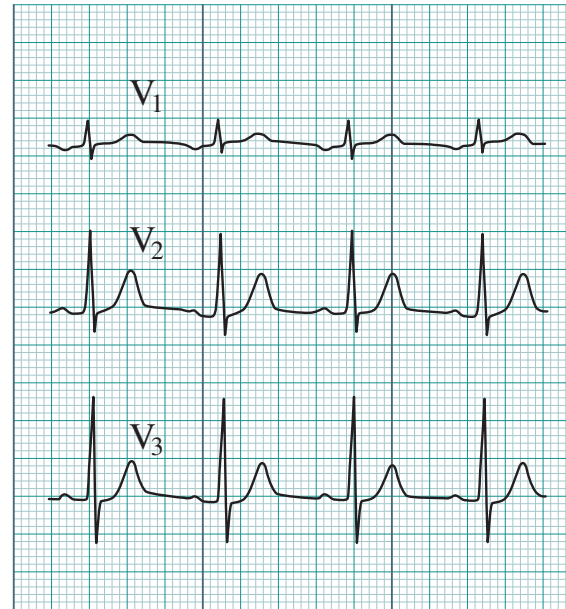
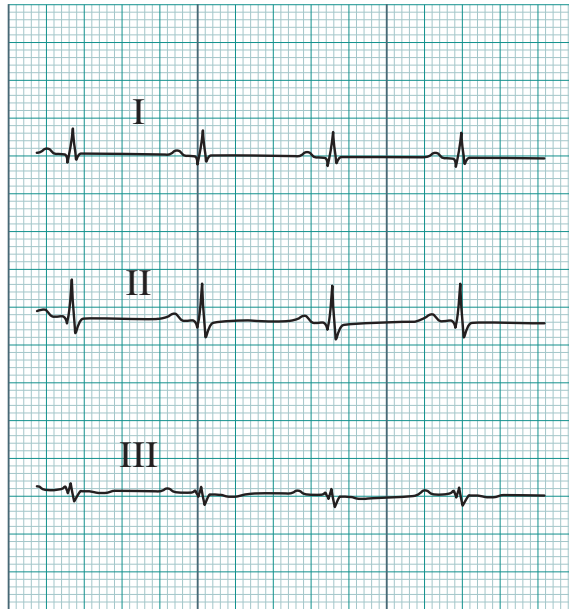


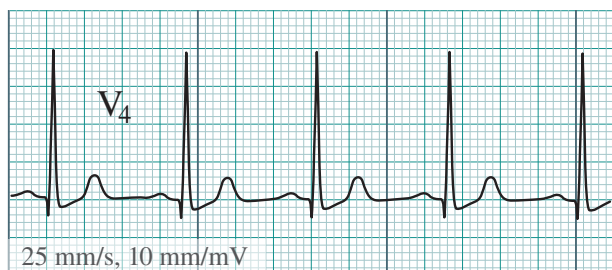
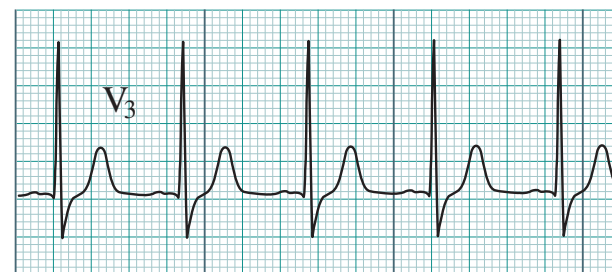
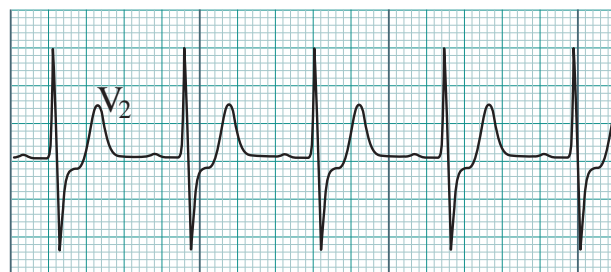
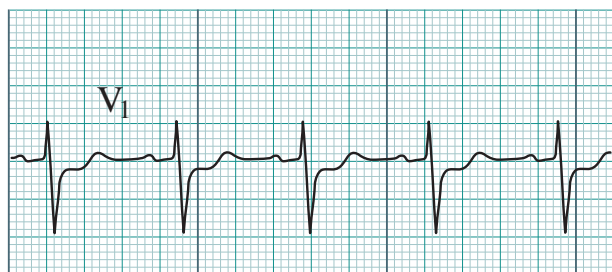


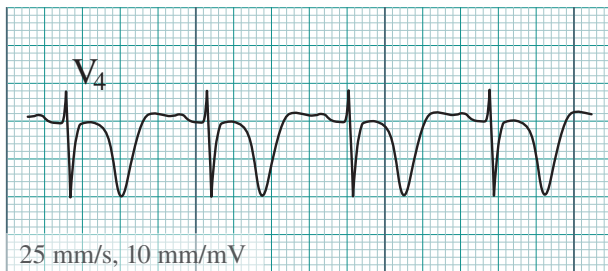
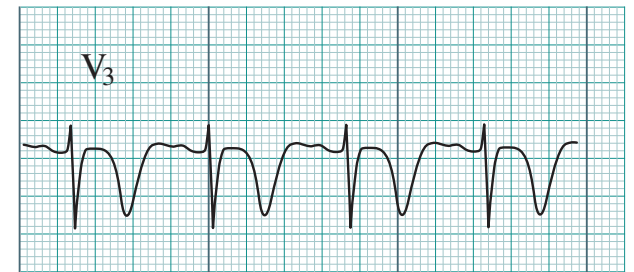
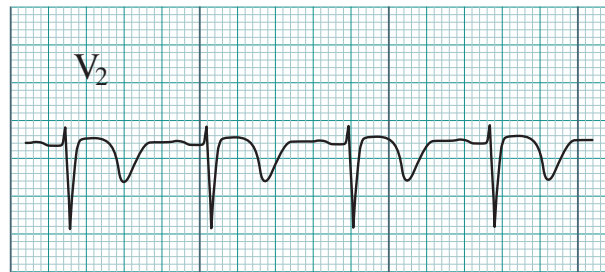
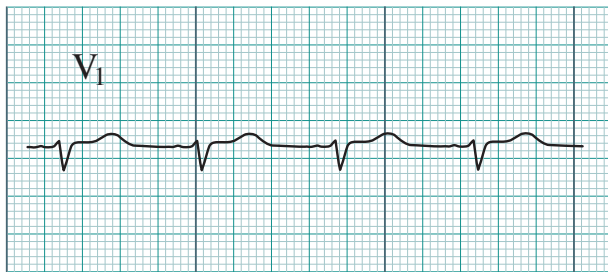
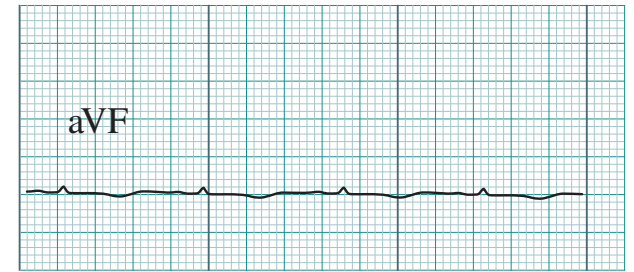
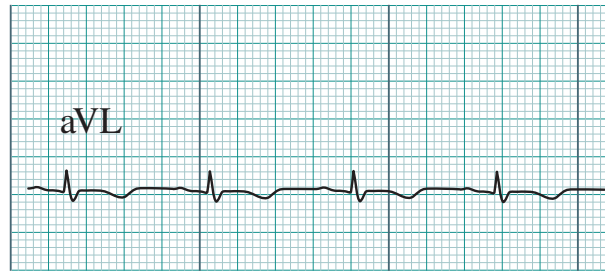
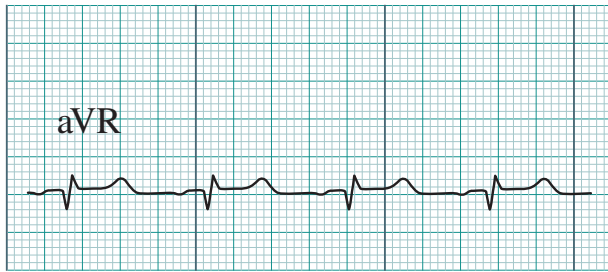
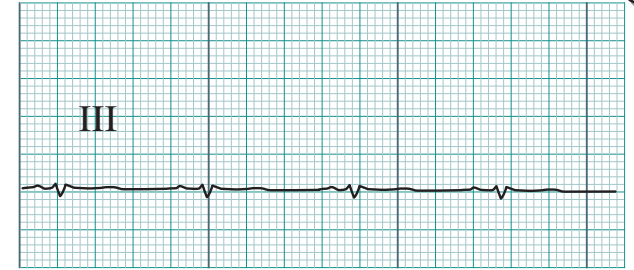
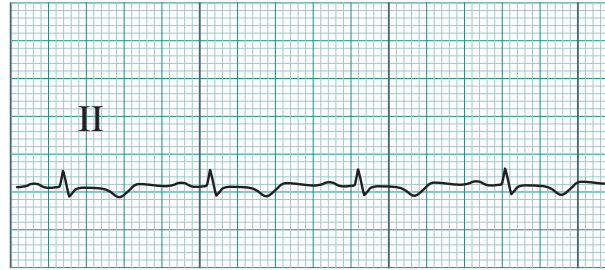
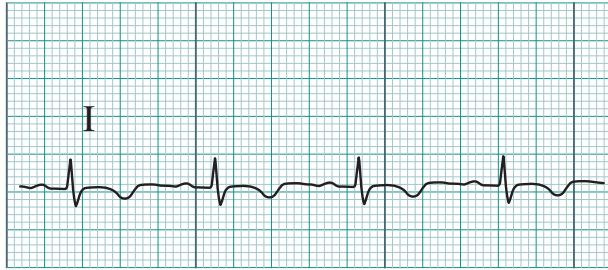


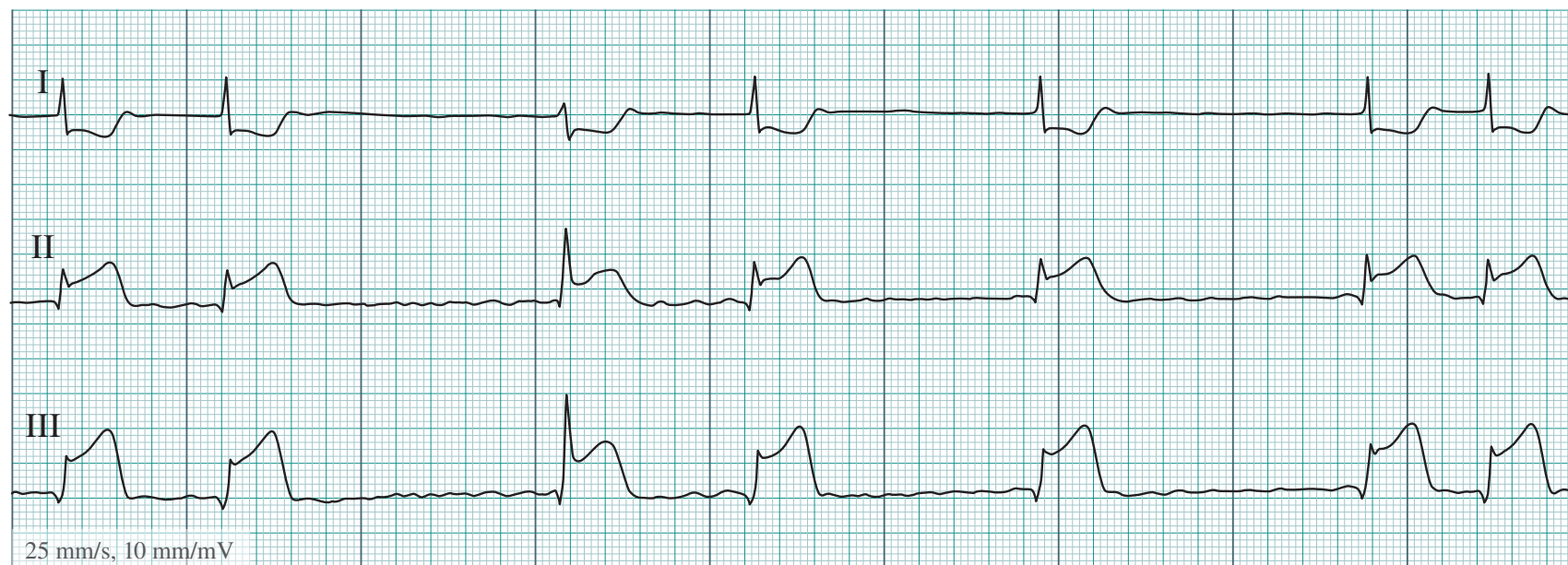


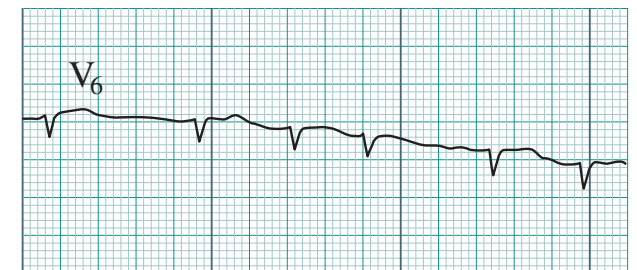
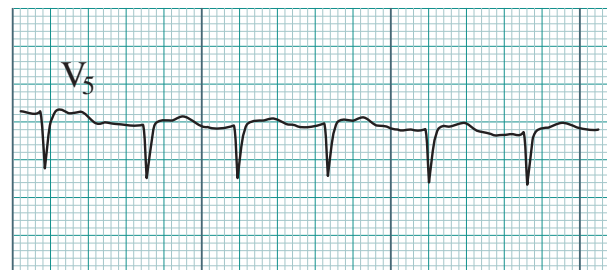
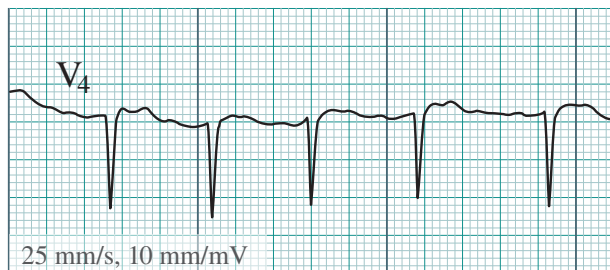
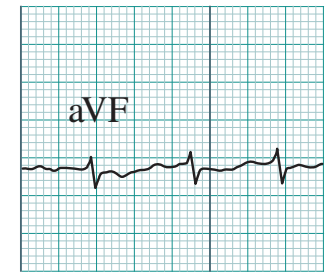
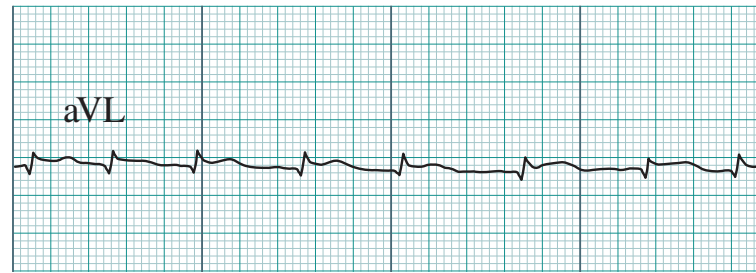
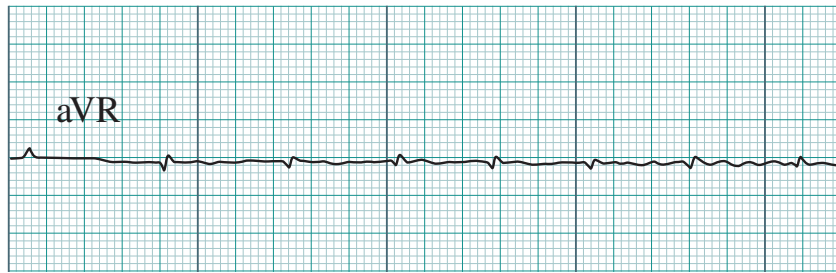
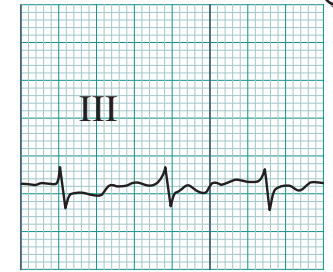
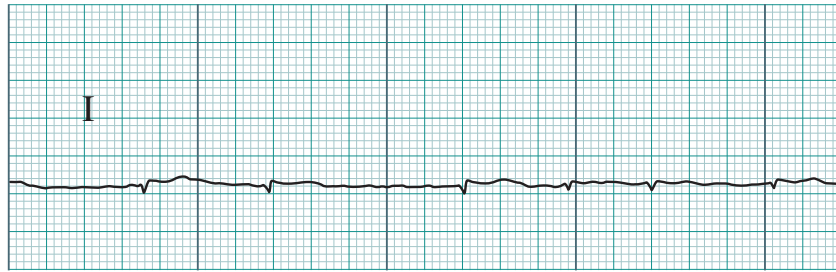


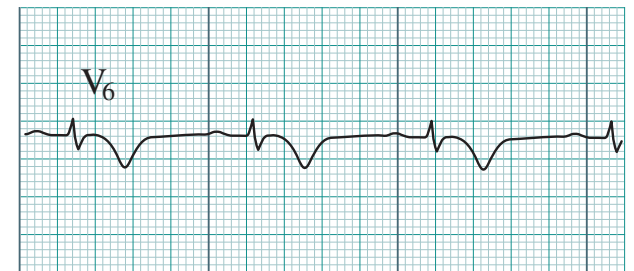
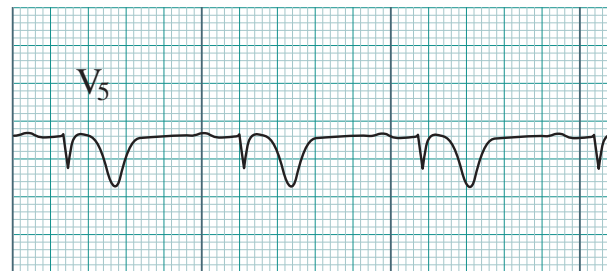
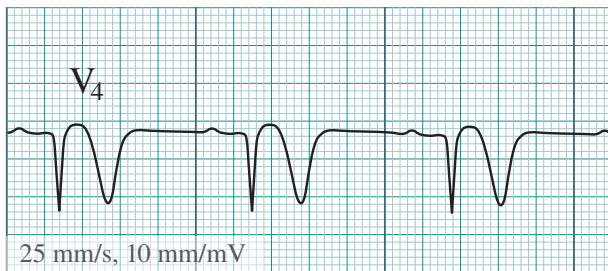
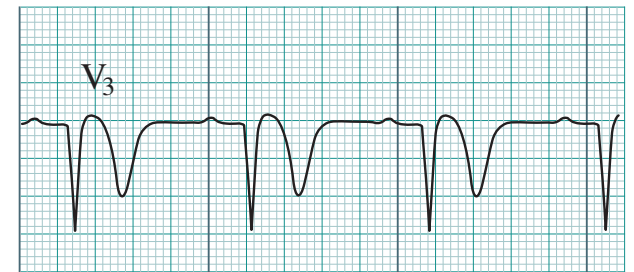
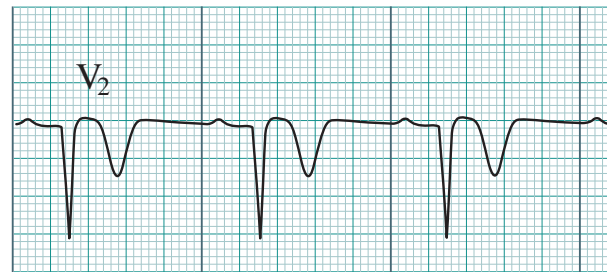
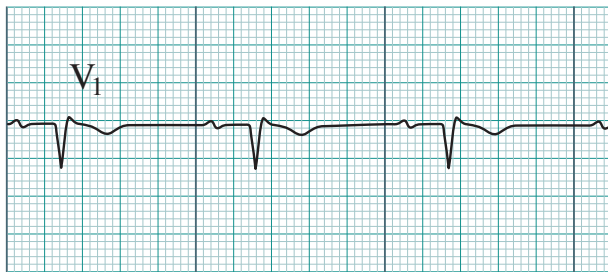
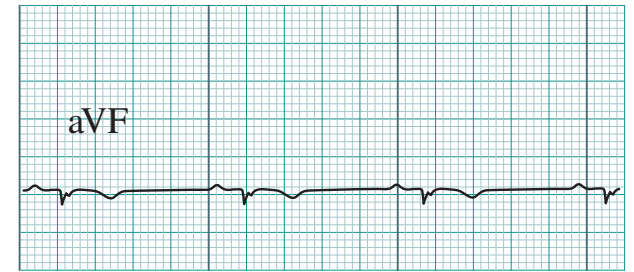
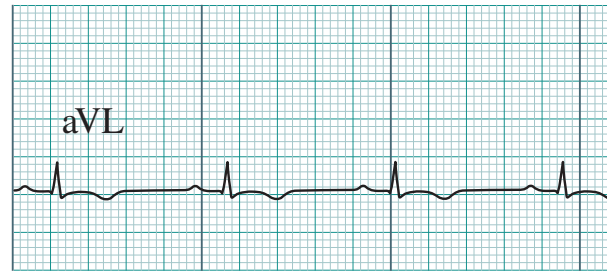
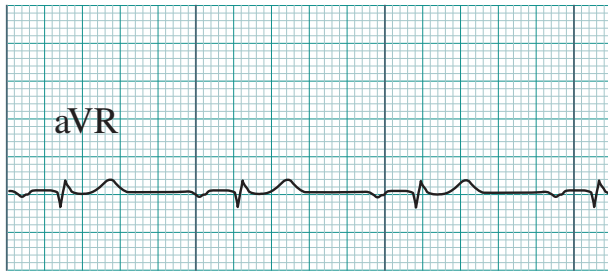
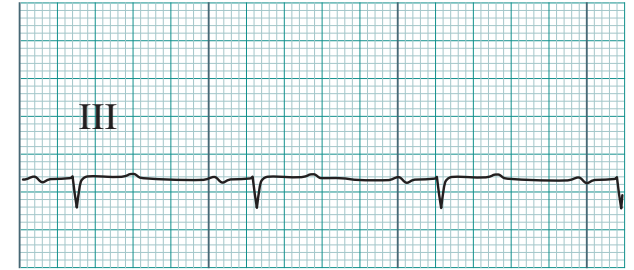
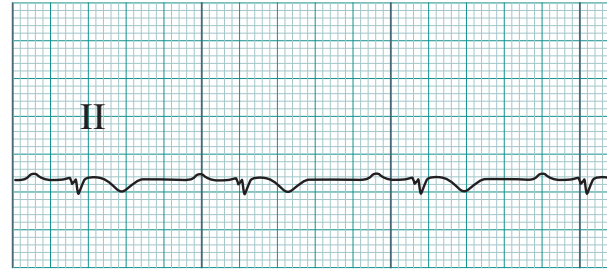
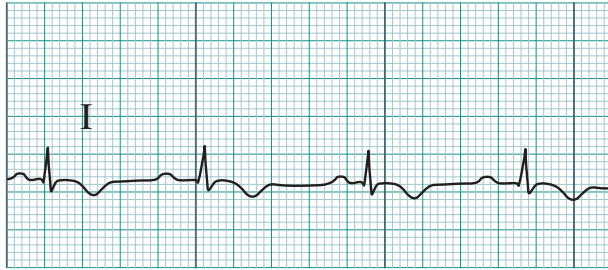


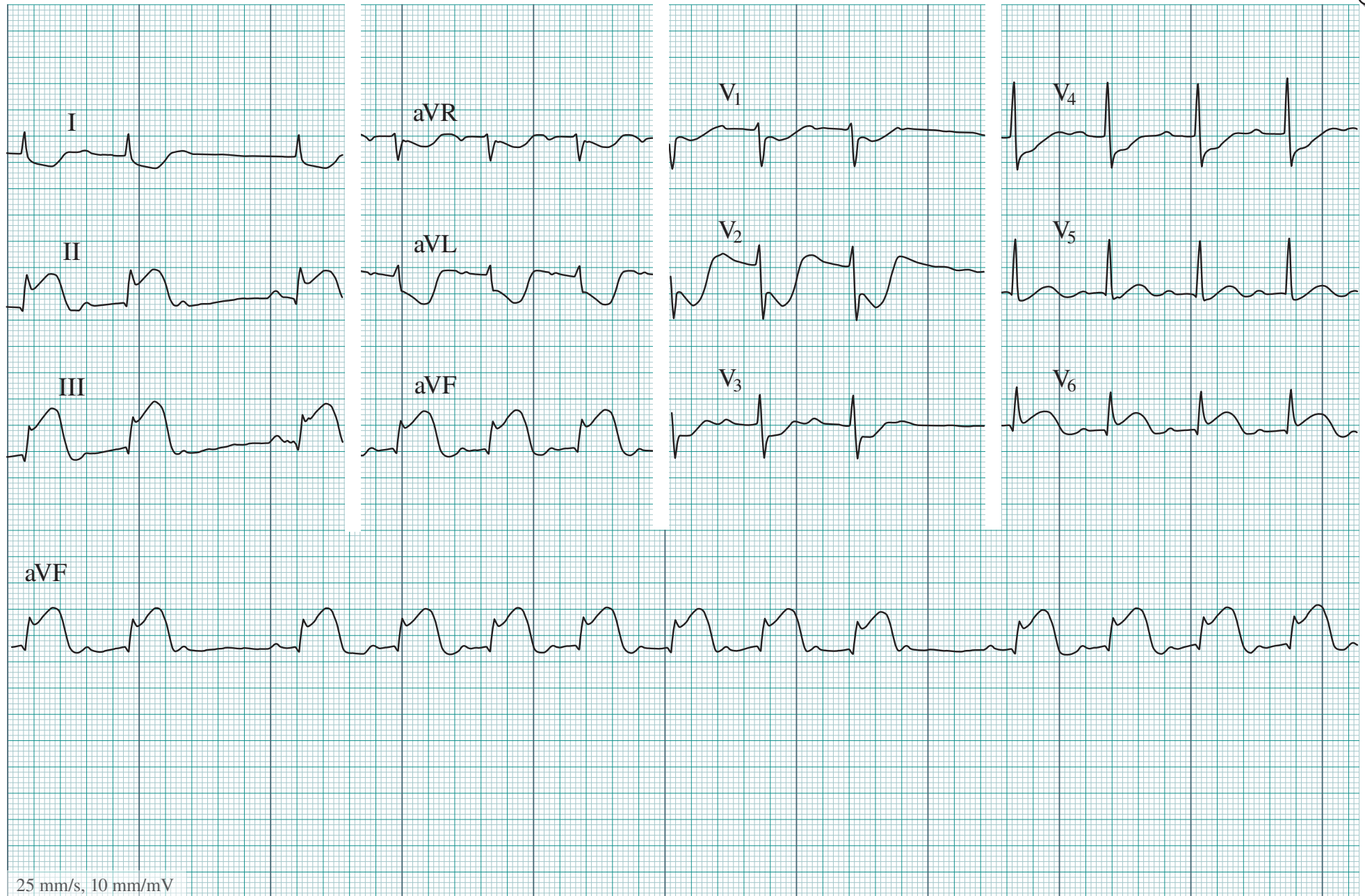


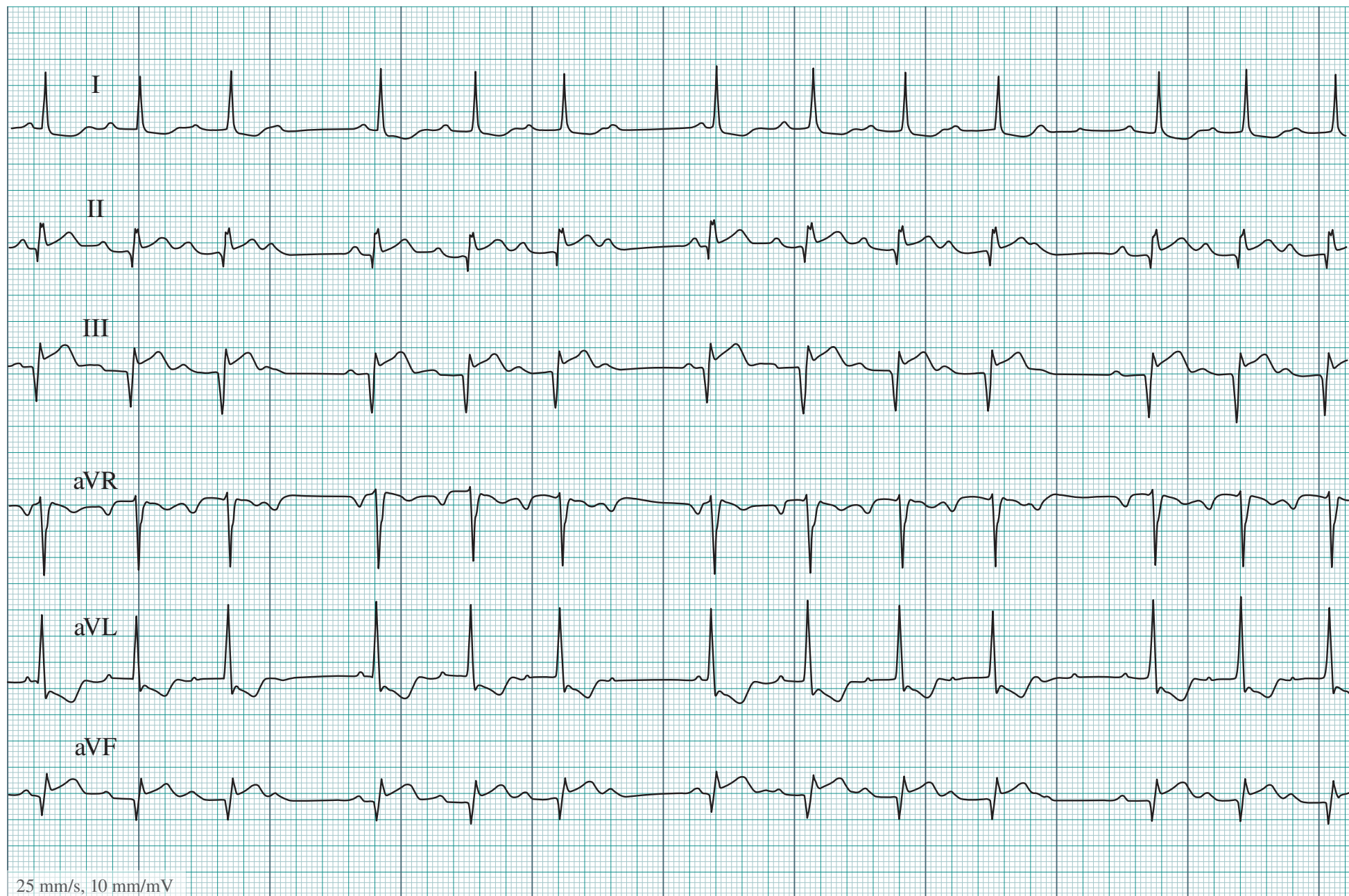


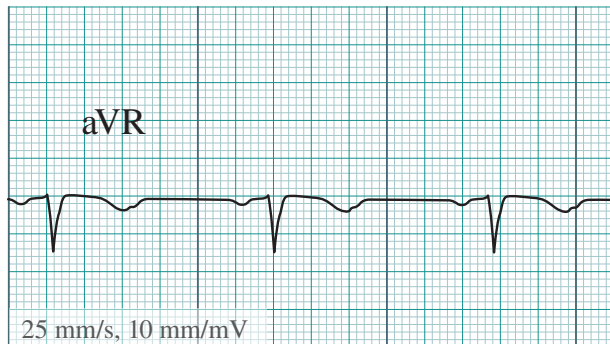


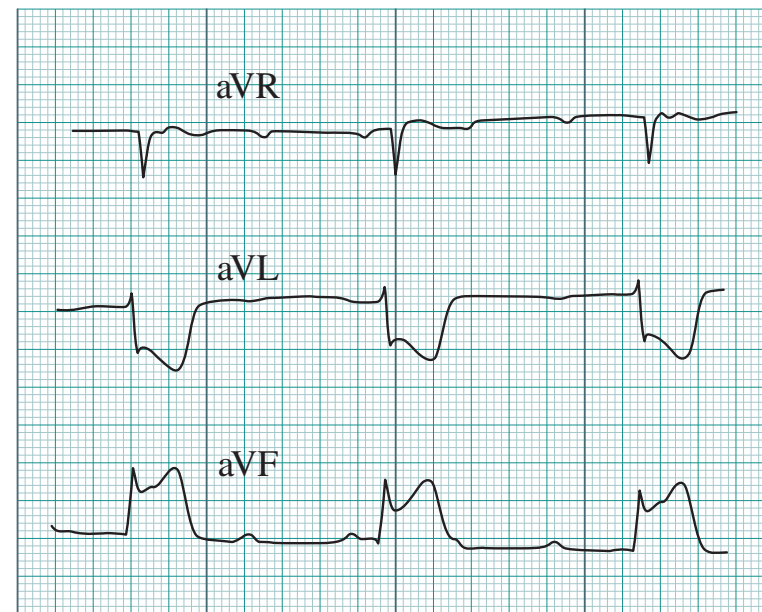
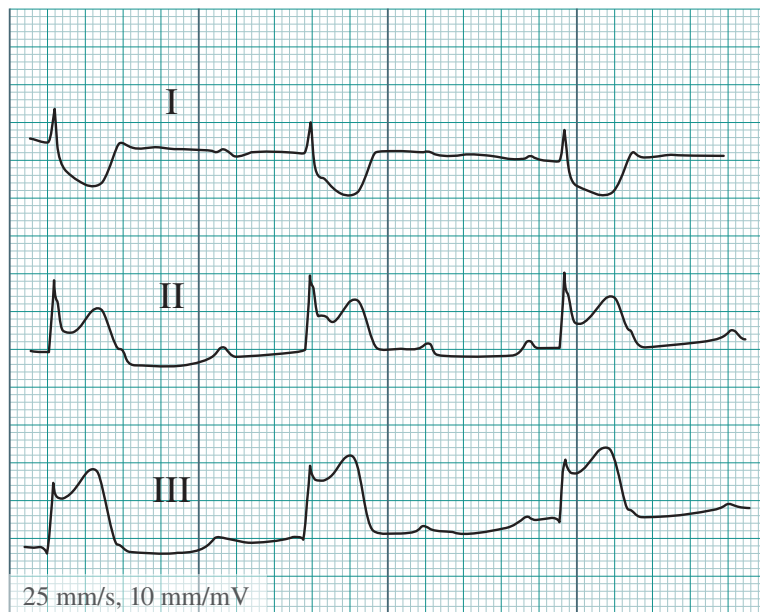


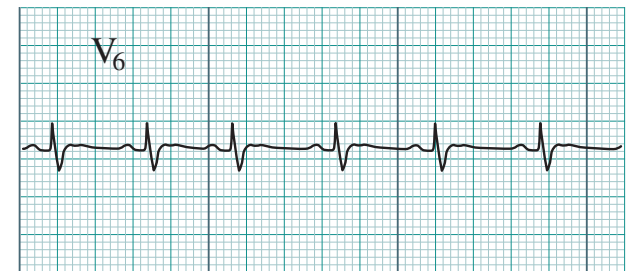
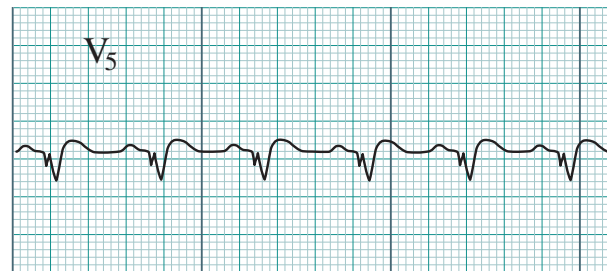
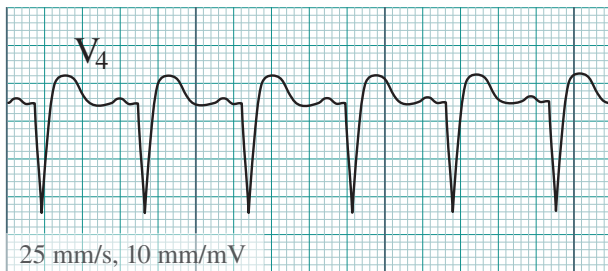
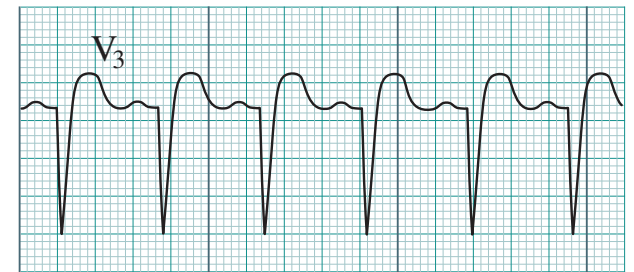
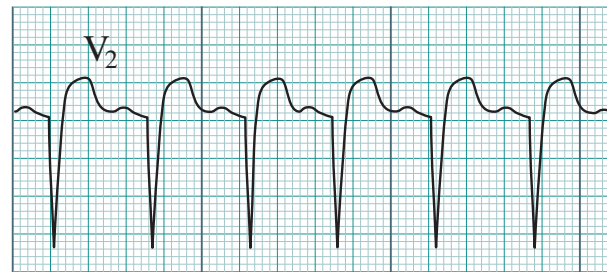
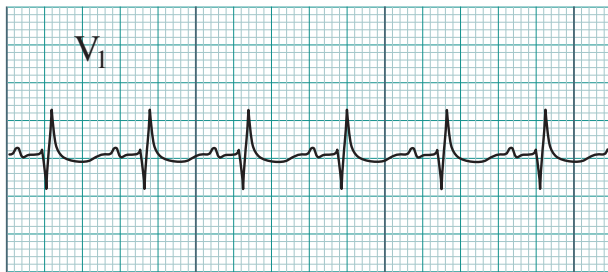
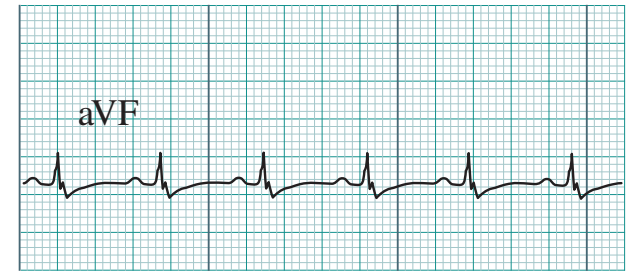
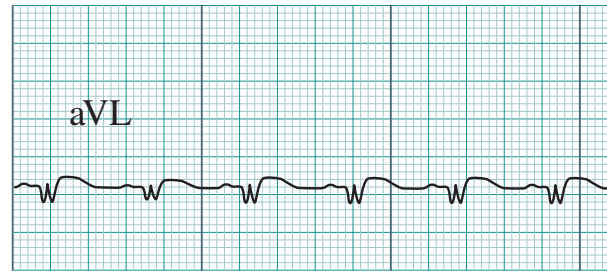
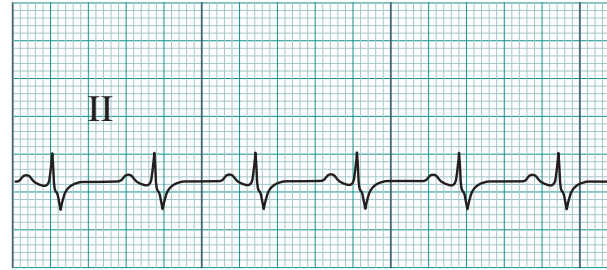


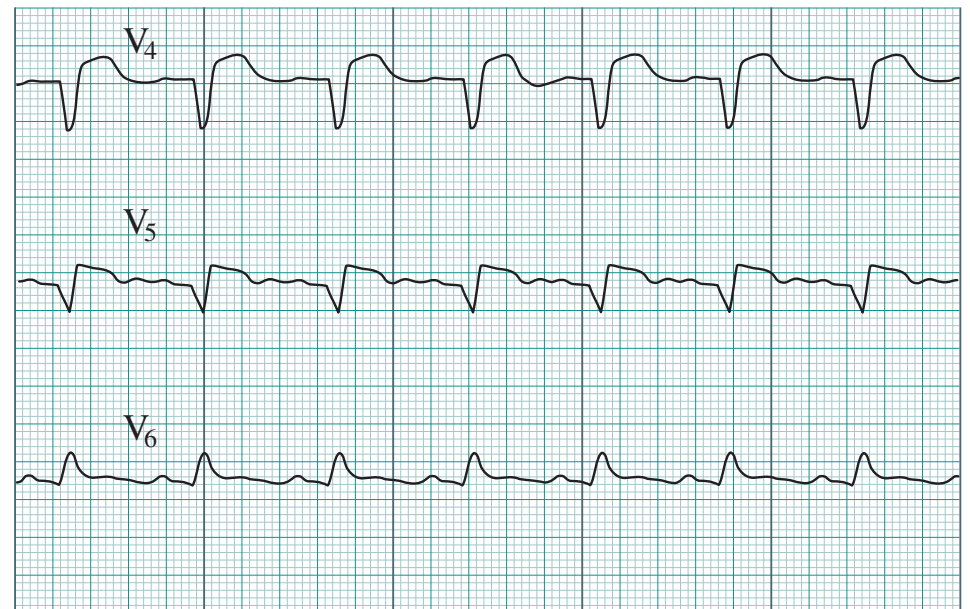
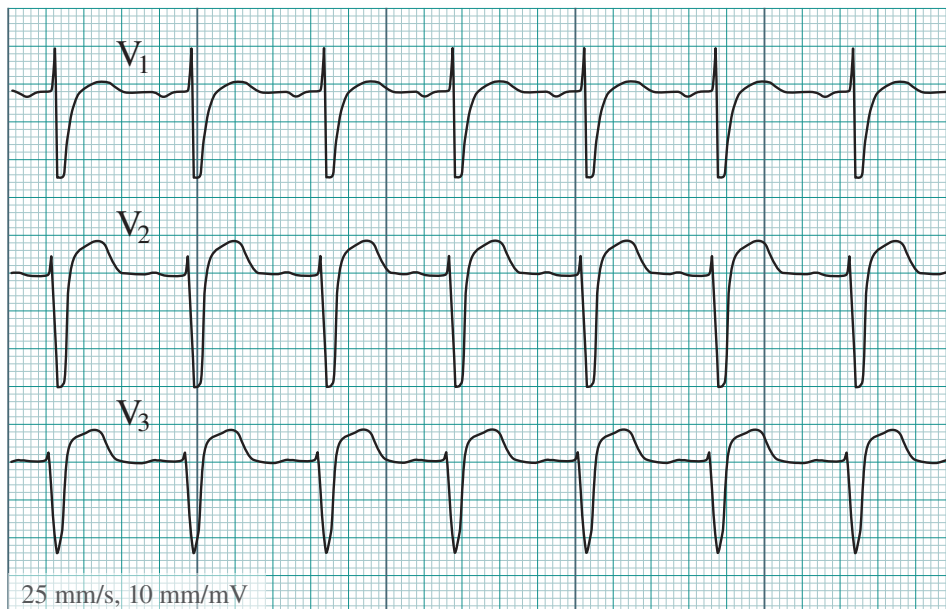
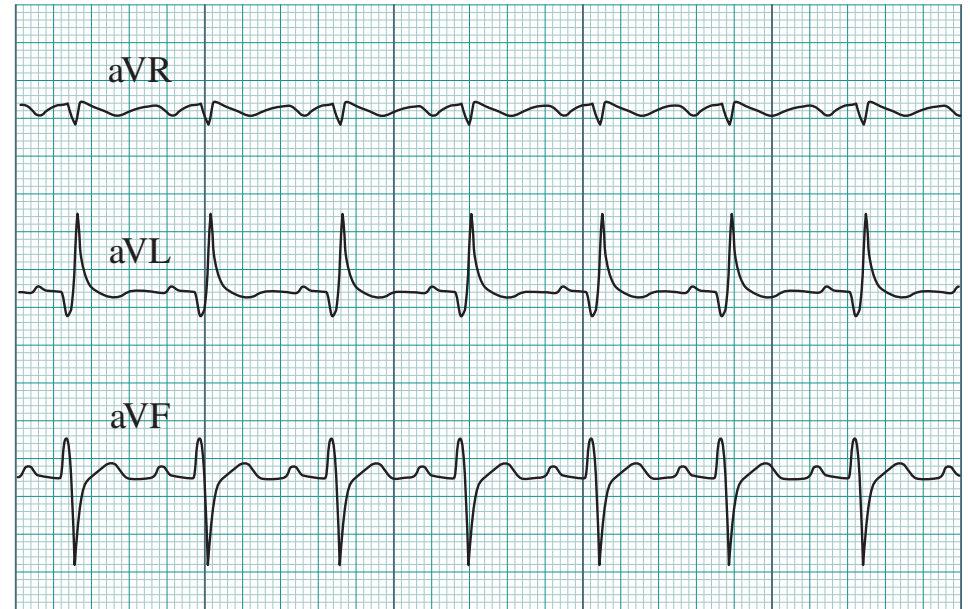
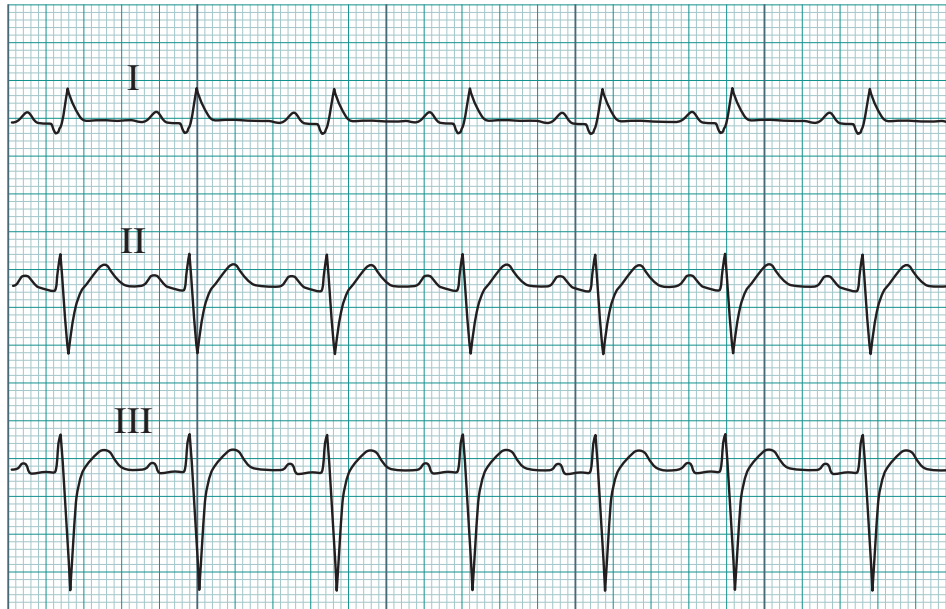




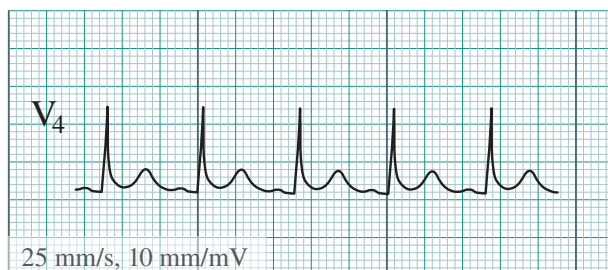
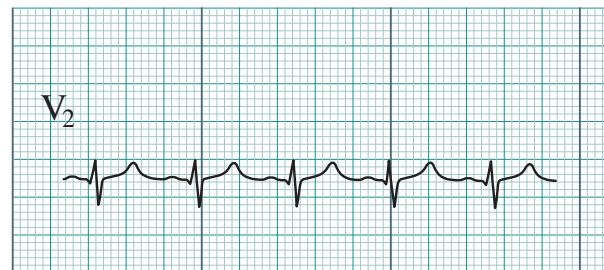
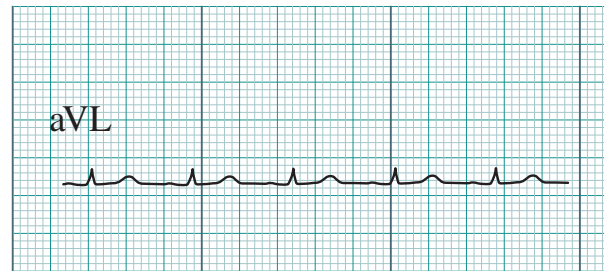
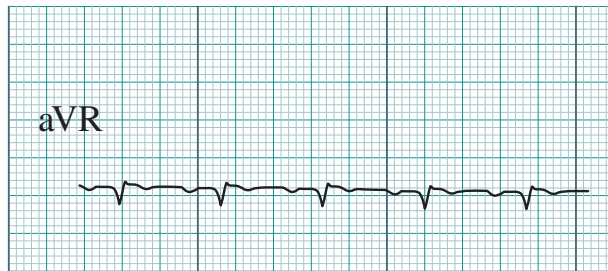


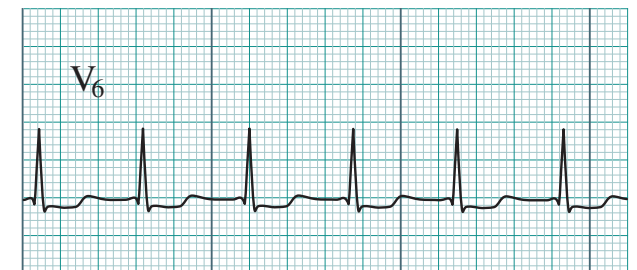
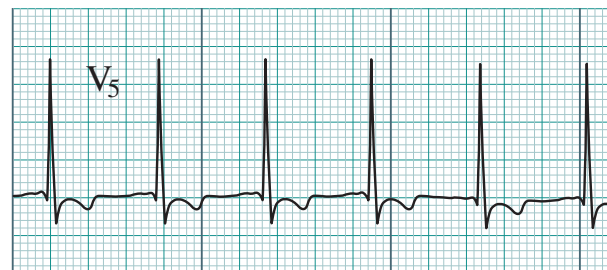
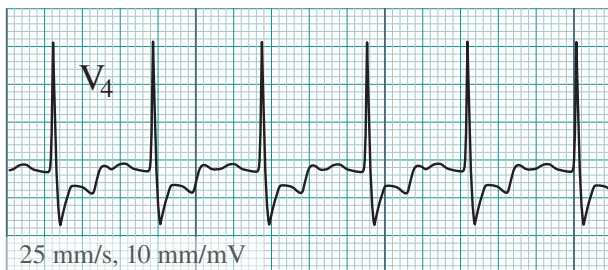
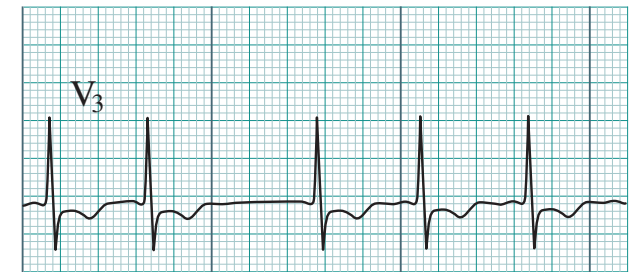
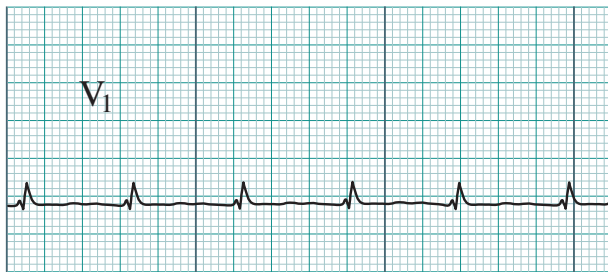
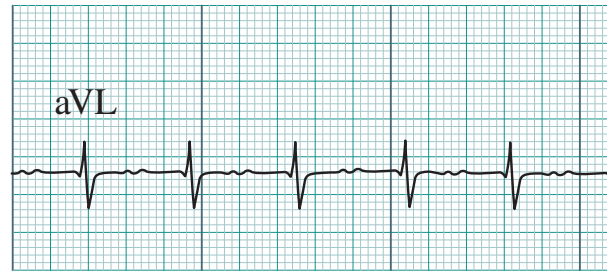
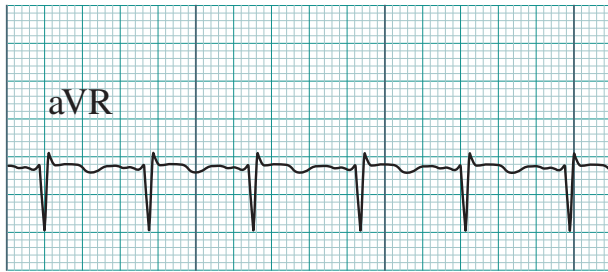




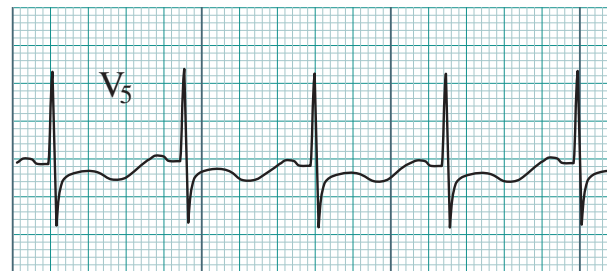
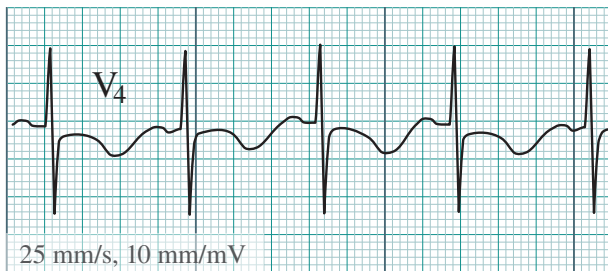
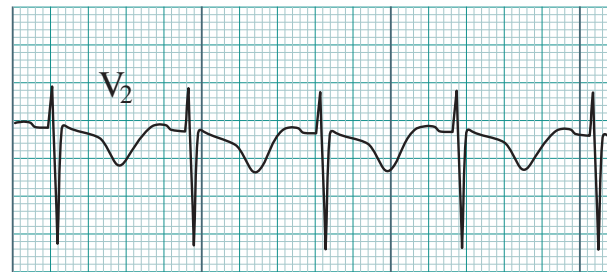
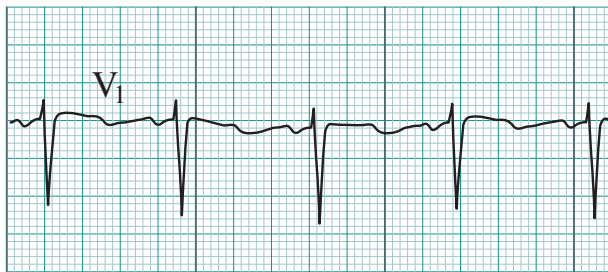
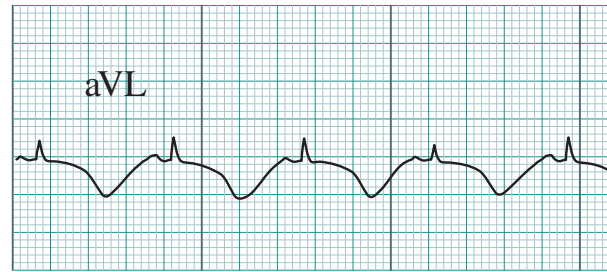
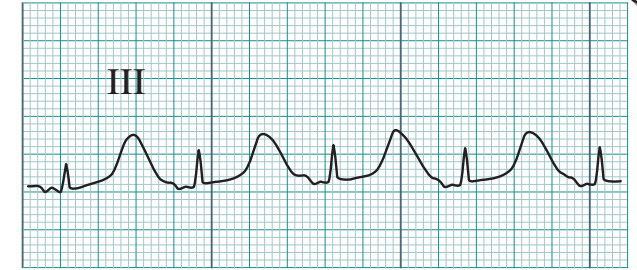
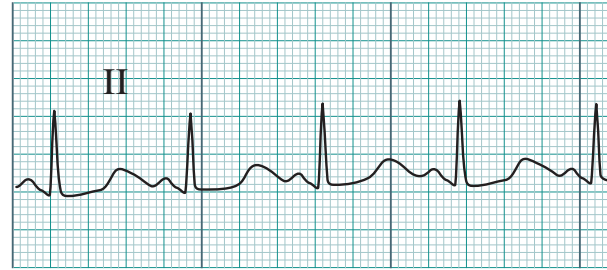


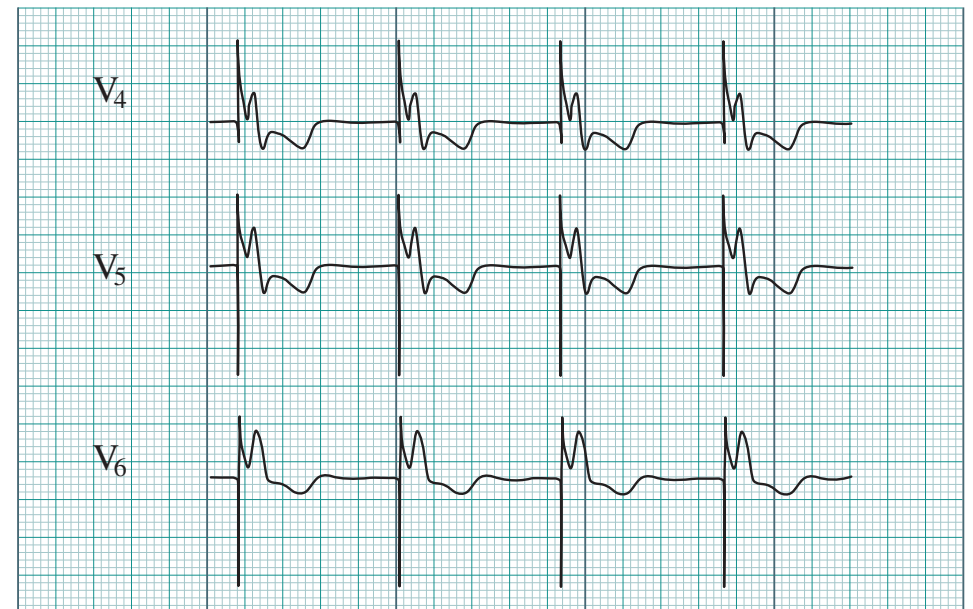
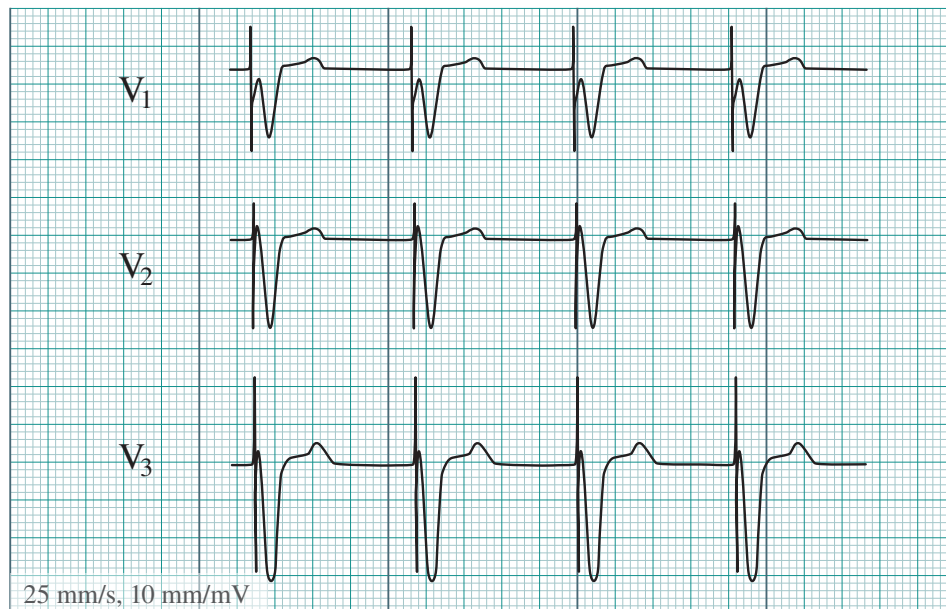
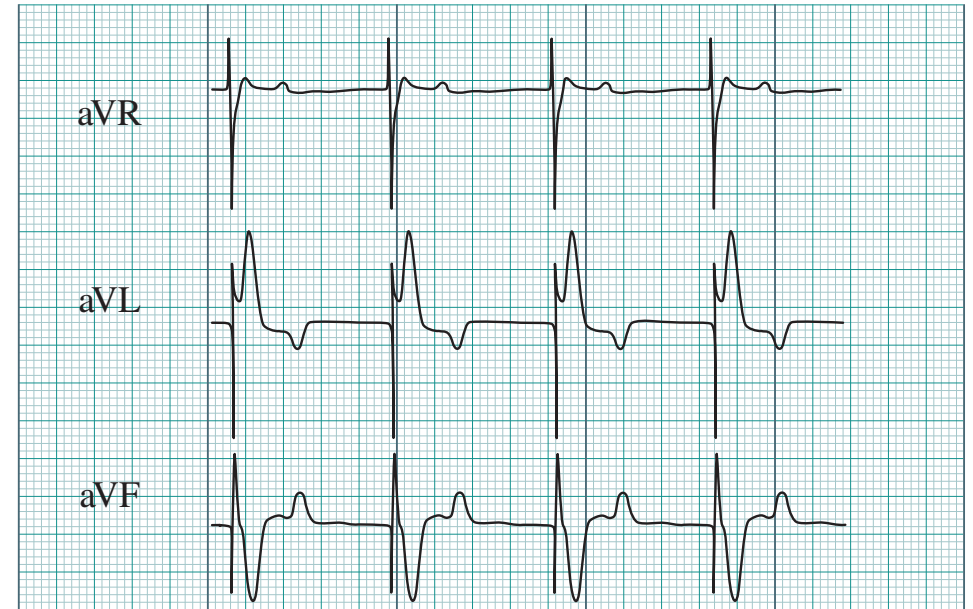
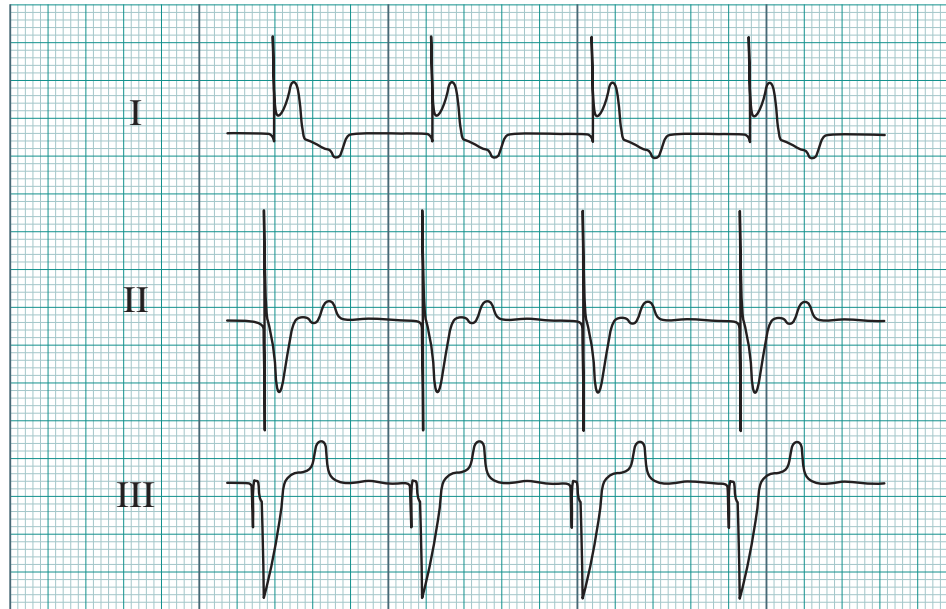
25 mm/s, 10 mm/mV





25 mm/s, 10 mm/mV





25 mm/s, 10 mm/mV

