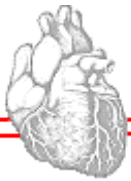




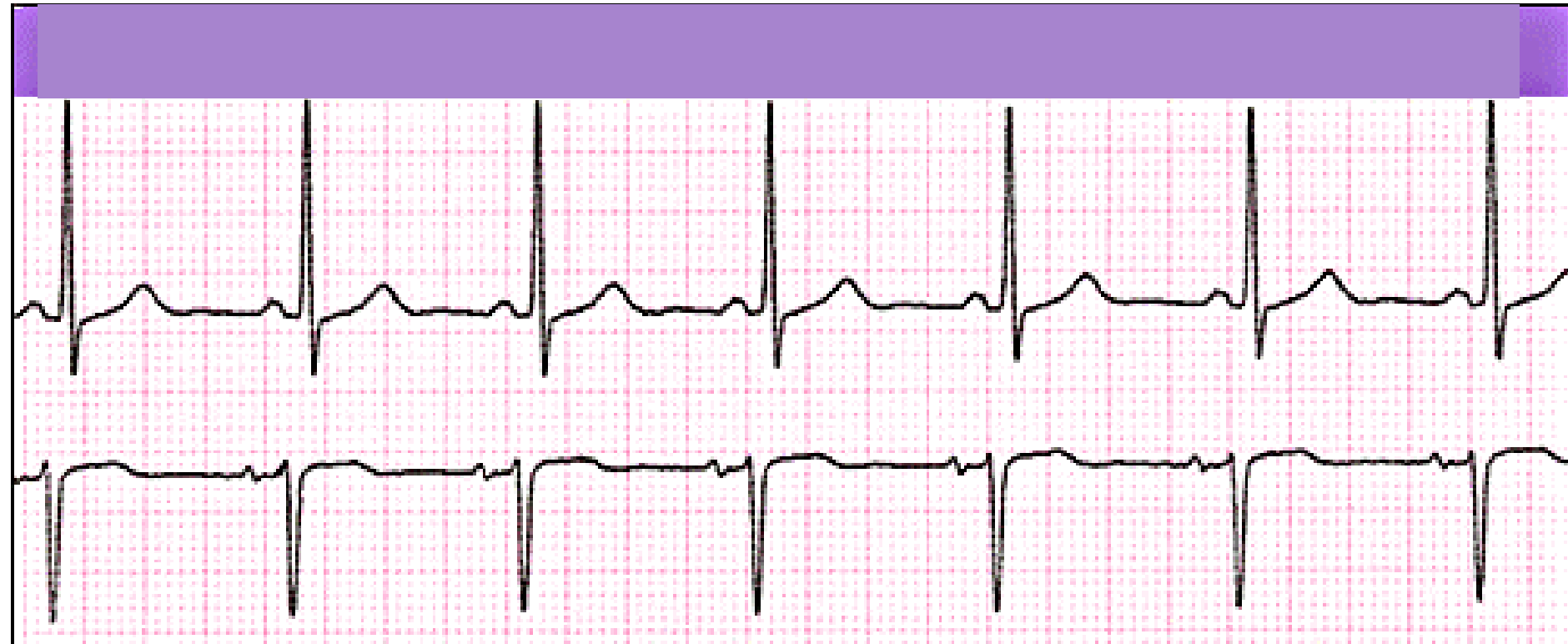
Sistemul Cardiovascular

Cursul 4 (continuare)

Trasee ECG



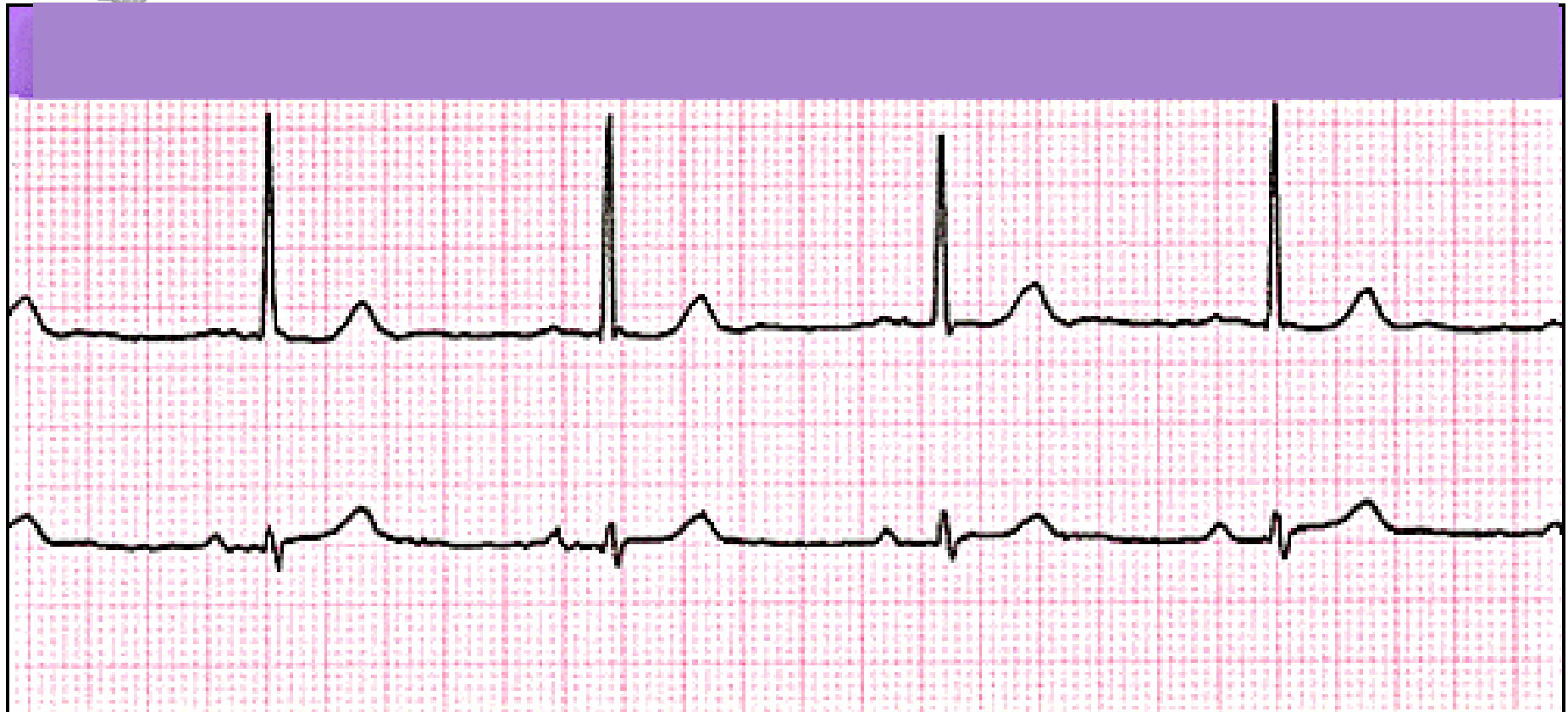
Ritm sinusal normal



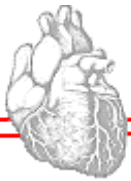
FC	Ritm	Unda P	int PQ _(sec)	QRS _(sec)
60-80 bpm	Regulat	Regulat înaintea QRS	0,12-0,20	0,08-0,10



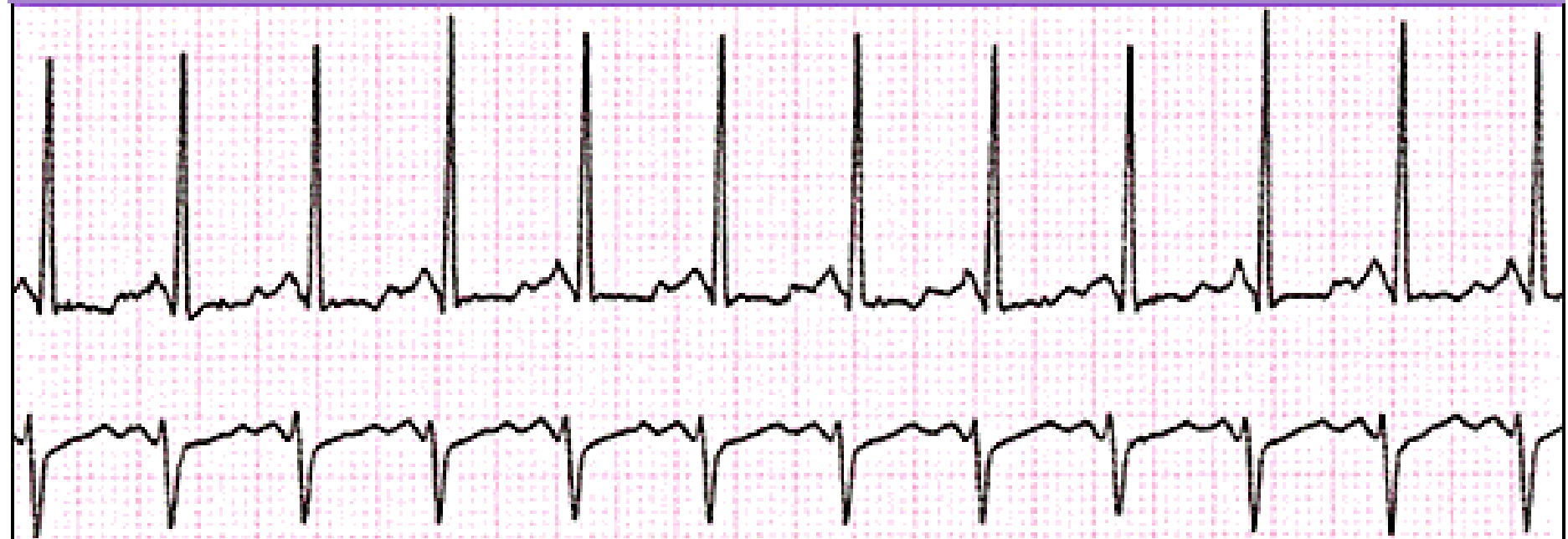
Bradicardia sinusală



FC	Ritm	Unda P	int PQ _(sec)	QRS _(sec)
<60 bpm	Regulat	Regulat înaintea QRS	0,12-0,20	0,08-0,10



Tahicardia sinusală



FC

Ritm

Unda P

int PQ_(sec)

QRS_(sec)

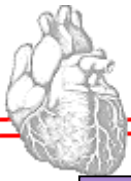
>100 bpm

Regulat

Regulat
înaintea QRS

0,12-0,20

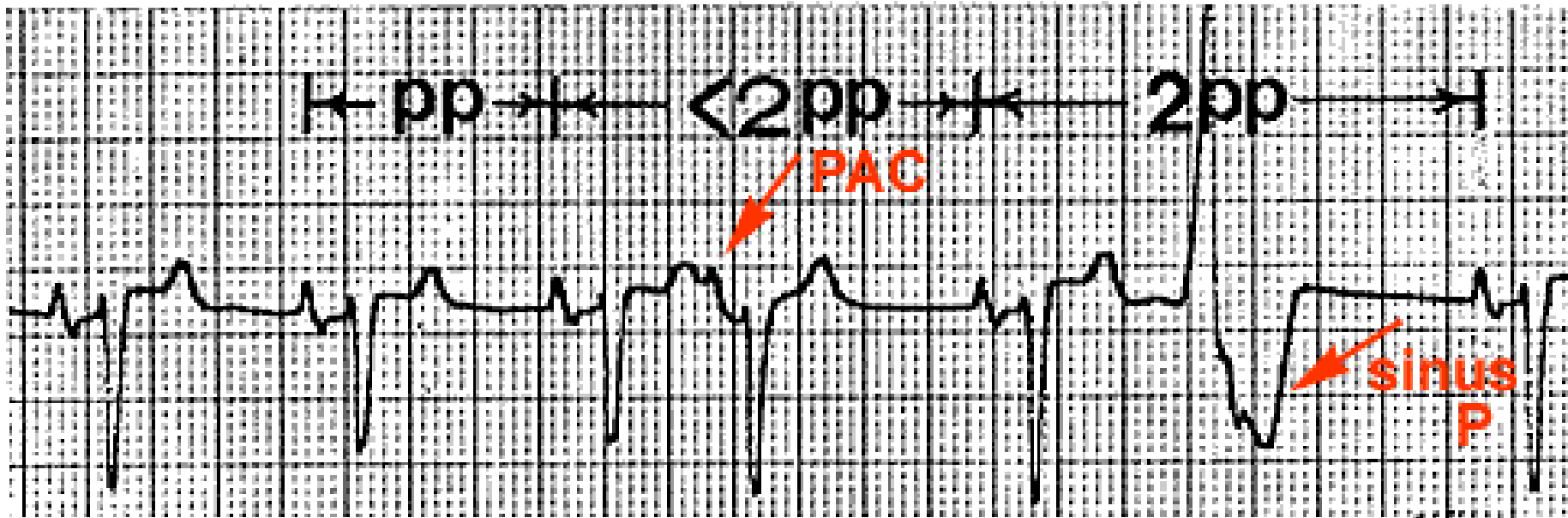
0,08-0,10



Extrasistole

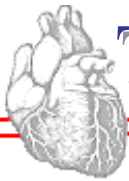
Extrasistole: supraventriculare și ventriculare

V₁



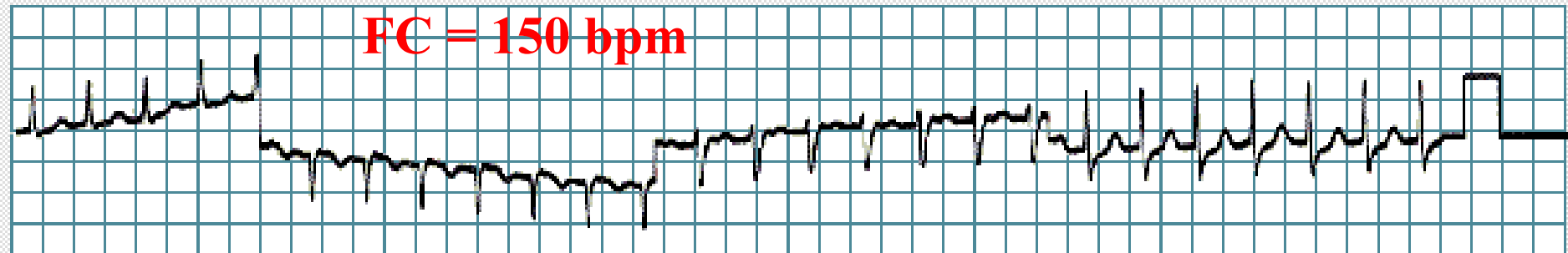
Cu pauză decalantă (<2pp) sau compensatorie (2pp)

- Extrasistole Supraventriculare : QRS de aspect și durată normală
- Extrasistole Ventriculare: QRS lărgit și modificări de repolarizare



Tahicardia paroxistică atrială (Supraventriculară)

FC = 150 bpm

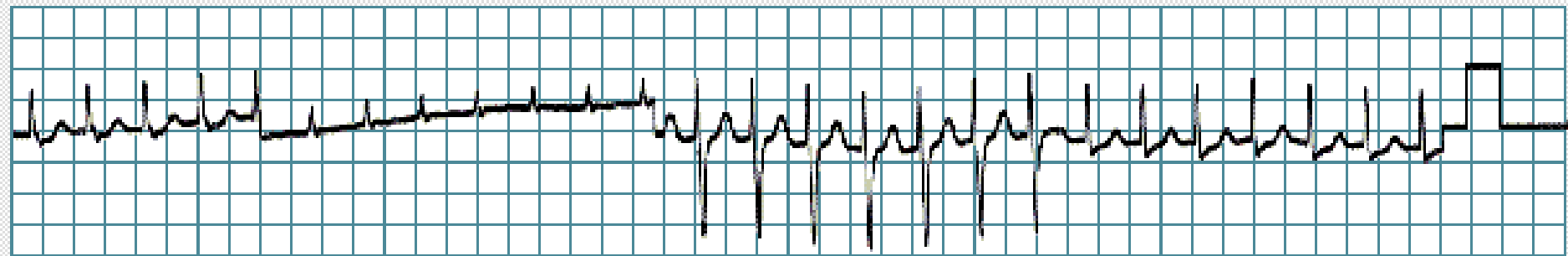


Lead I

Lead aVR

Lead V1

Lead V4

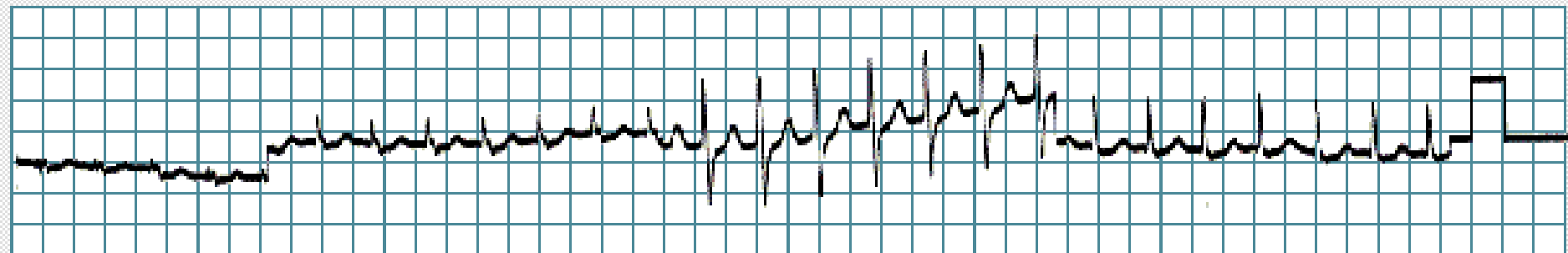


Lead II

Lead aVL

Lead V2

Lead V5

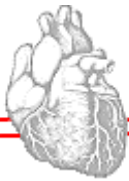


Lead III

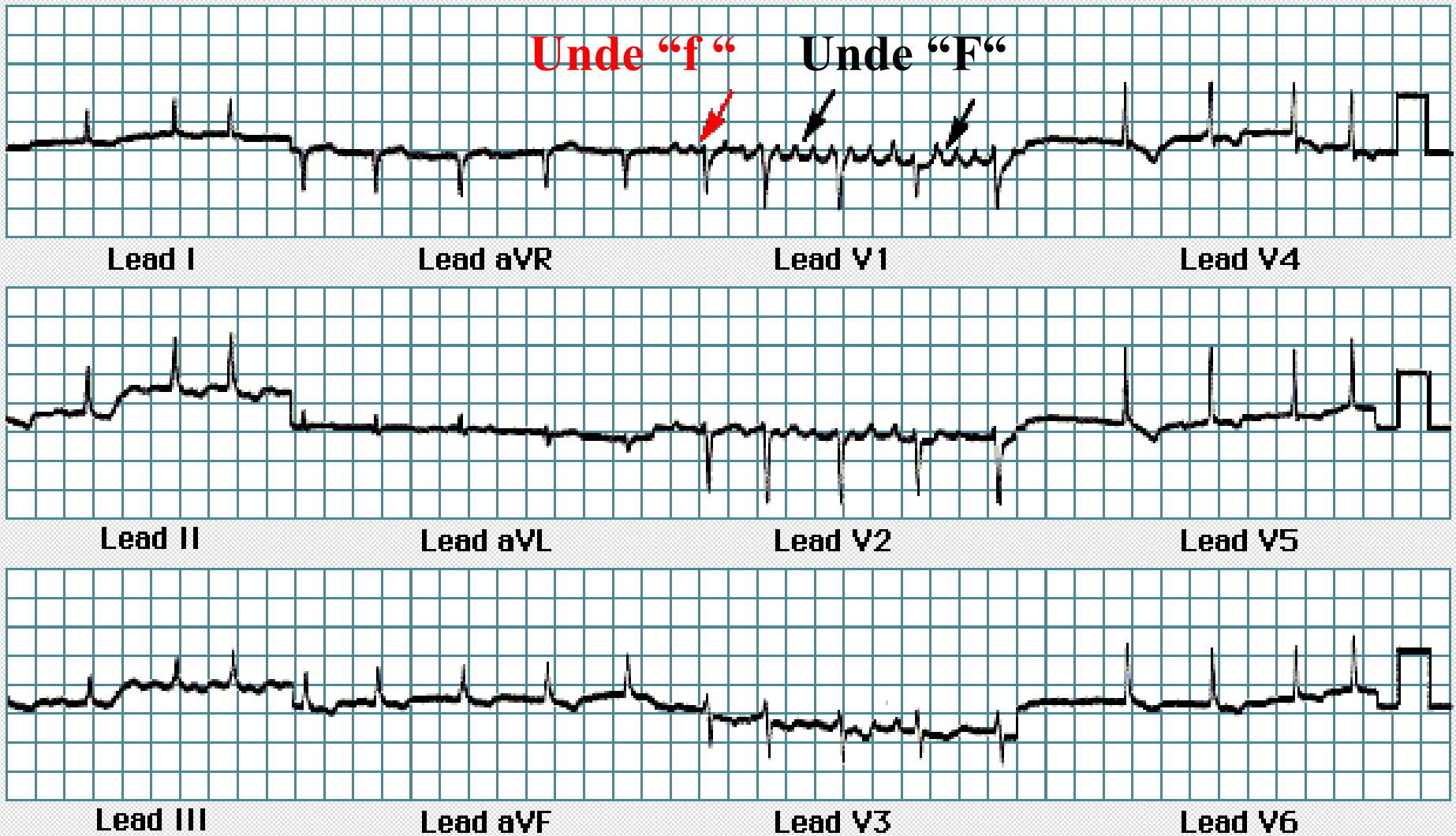
Lead aVF

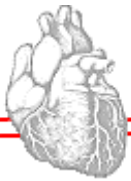
Lead V3

Lead V6



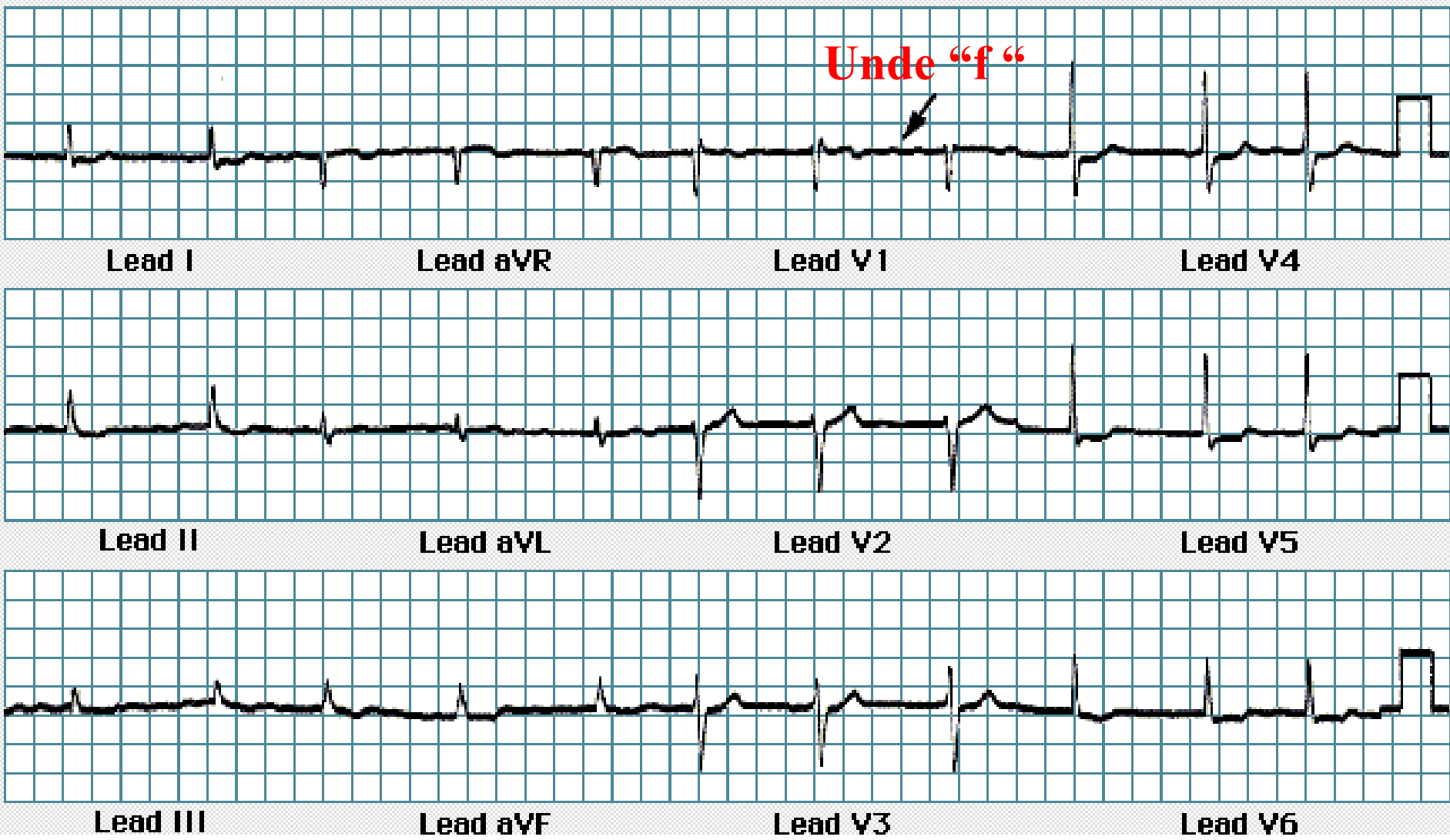
Fibrilo-flutter atrial





Fibrilația atrială

Unde "f"



Lead I

Lead aVR

Lead V1

Lead V4

Lead II

Lead aVL

Lead V2

Lead V5

Lead III

Lead aVF

Lead V3

Lead V6

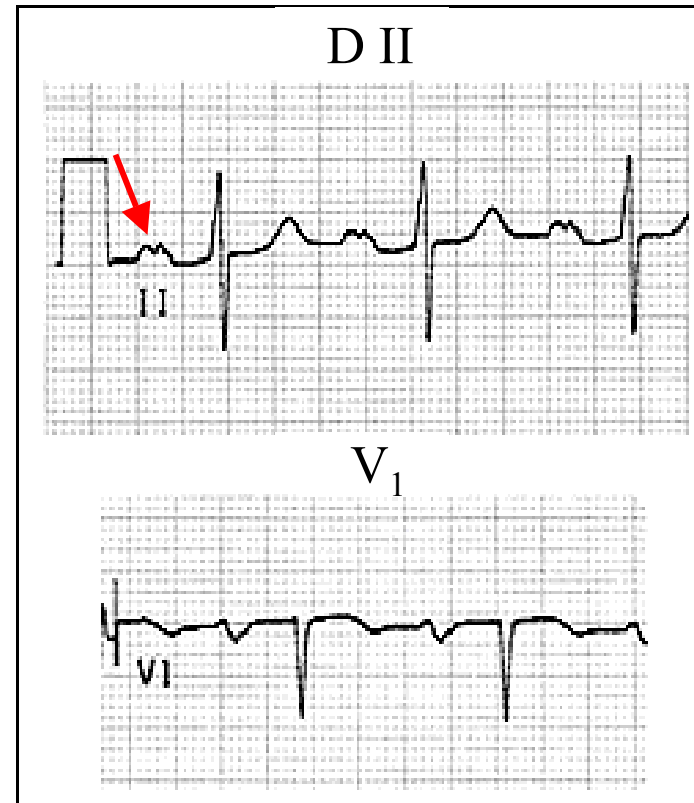


Hipertrofia atrială

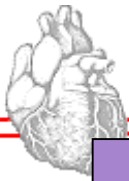
Hipertrofia Atrială Dreaptă



Hipertrofia Atrială Stângă

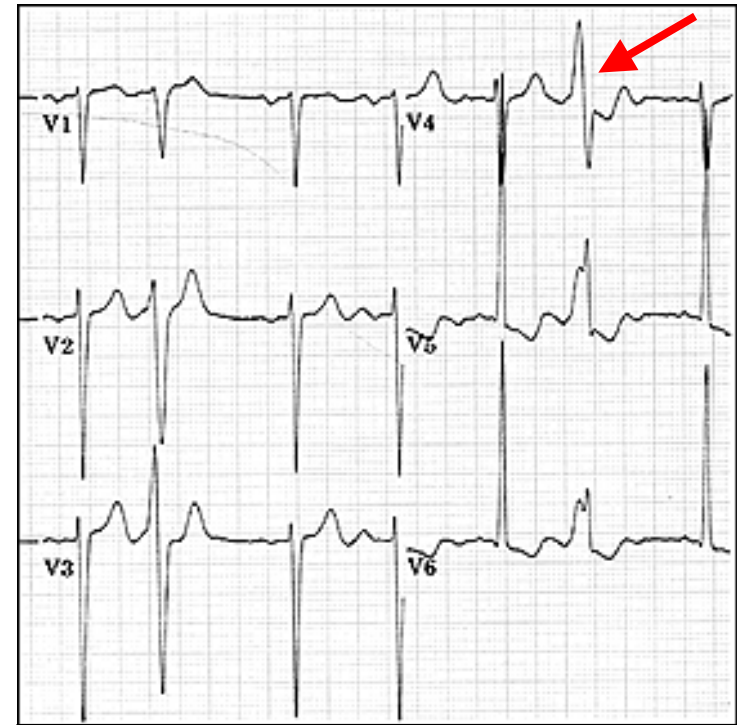


- HAD: “P Pulmonar” – unda P înaltă și ascuțită (+ HVD în acest caz)
- HAS: “P Mitral” – unda P bifidă și largită în D II; bifazică în V1

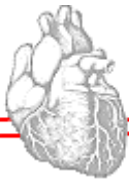


Hipertrofia Ventriculară stângă

Hipertrofia ventriculară stângă

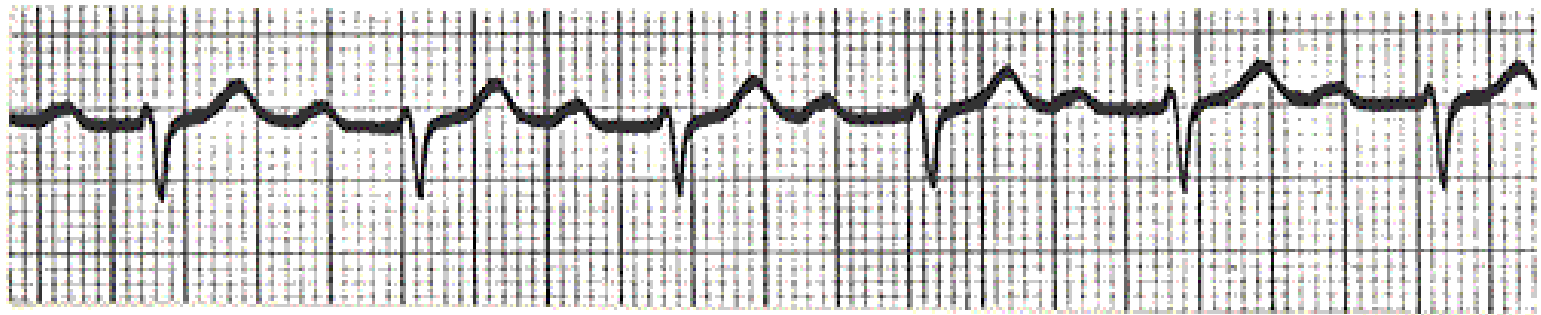


- derivațiile standard : - D I: R înalt și D III: S adânc;
- tulburări ale fazei de repolarizare;
- derivațiile precordiale : $S_2 + R_5 > 35$ mm (indice Sokolow-Lyon)
 - Obs: În plus - extrasistolă ventriculară (săgeata roșie)



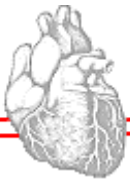
Tulburări de conducere

BAV gradul I



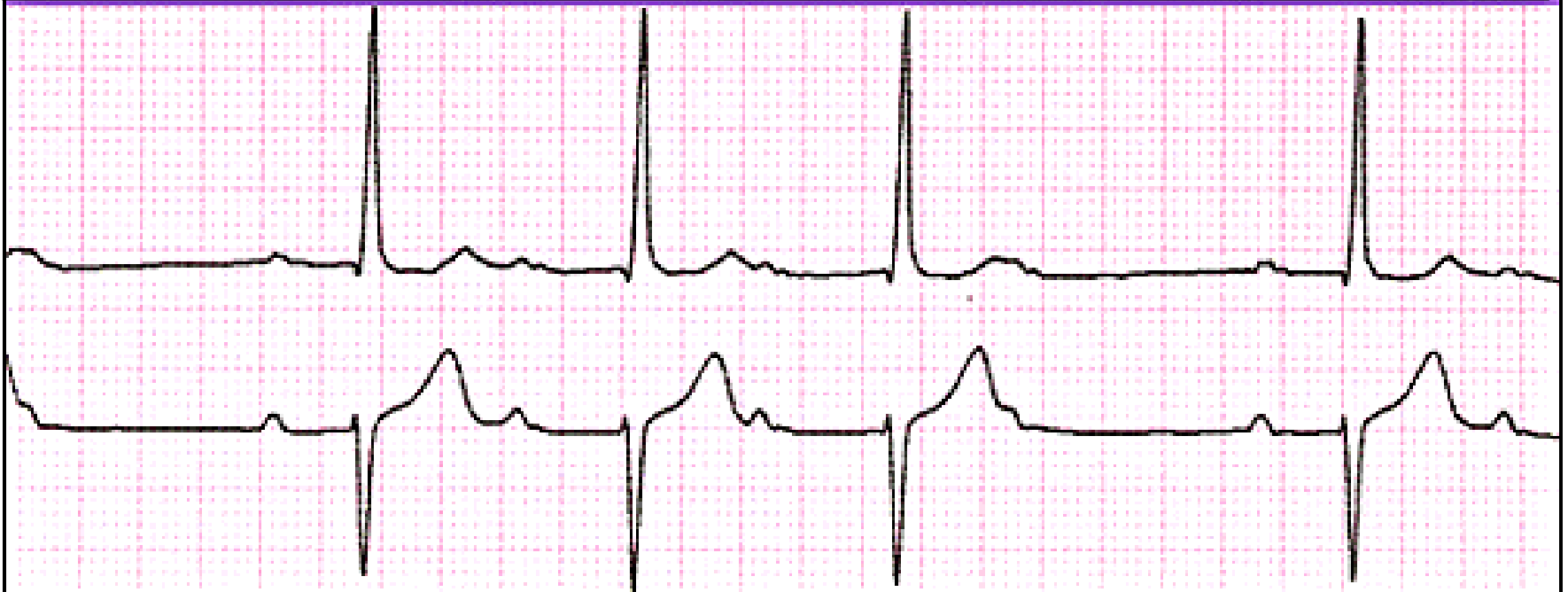
(PR = 280 ms)

Unda P	int PQ (sec)	QRS(sec)	Caractere
Normal	>0.24 sec	Normal	PR constant, urmat de QRS

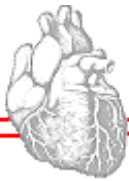


Tulburări de conducere

BAV gradul II, Mobitz 1 (cu perioade Luciani-Wenckebach)

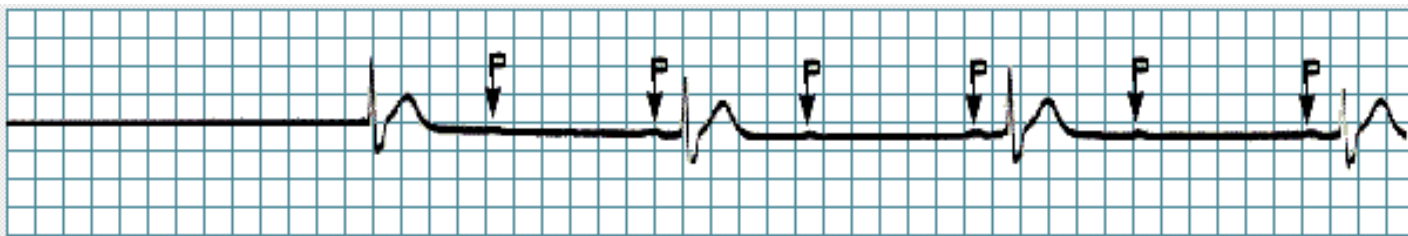


Unda P	int PQ (sec)	QRS(sec)	Caractere
Conducere intermitentă	Crește progresiv	<0,12	QRS blocat intermitent

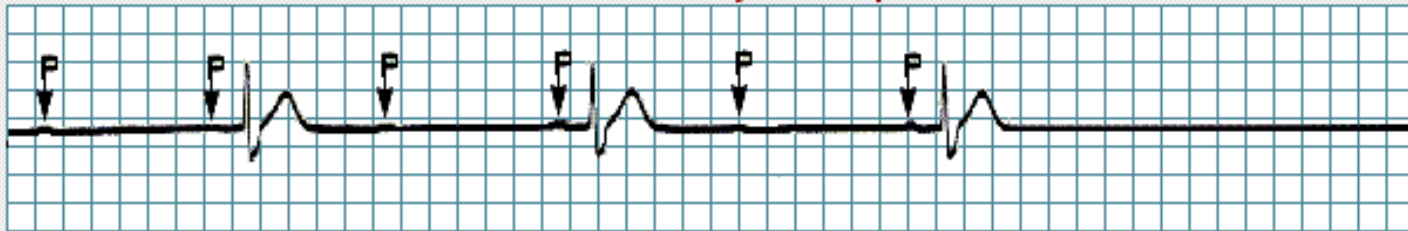


Tulburări de conducere

BAV de gradul II • Mobitz 2

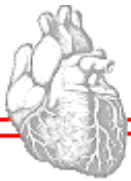


Continuous rhythm strip



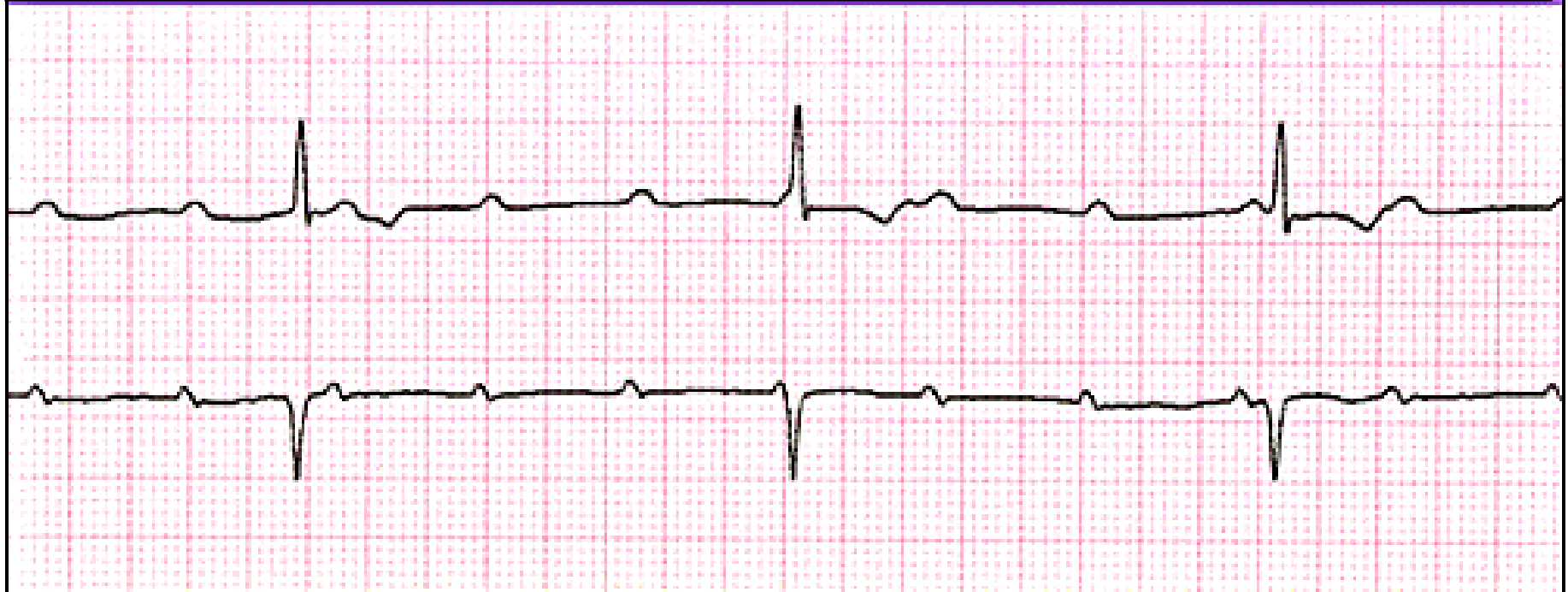
Continuous rhythm strip

Unda P	int PQ (sec)	QRS(sec)	Caractere
Normal	Variabil	Normal	QRS blocat intermitent



Tulburări de conducere

BAV gradul III (complet)



Unda P

int PQ (sec)

QRS(sec)

Caractere

Normal, fără
relații cu QRS

Neregulat

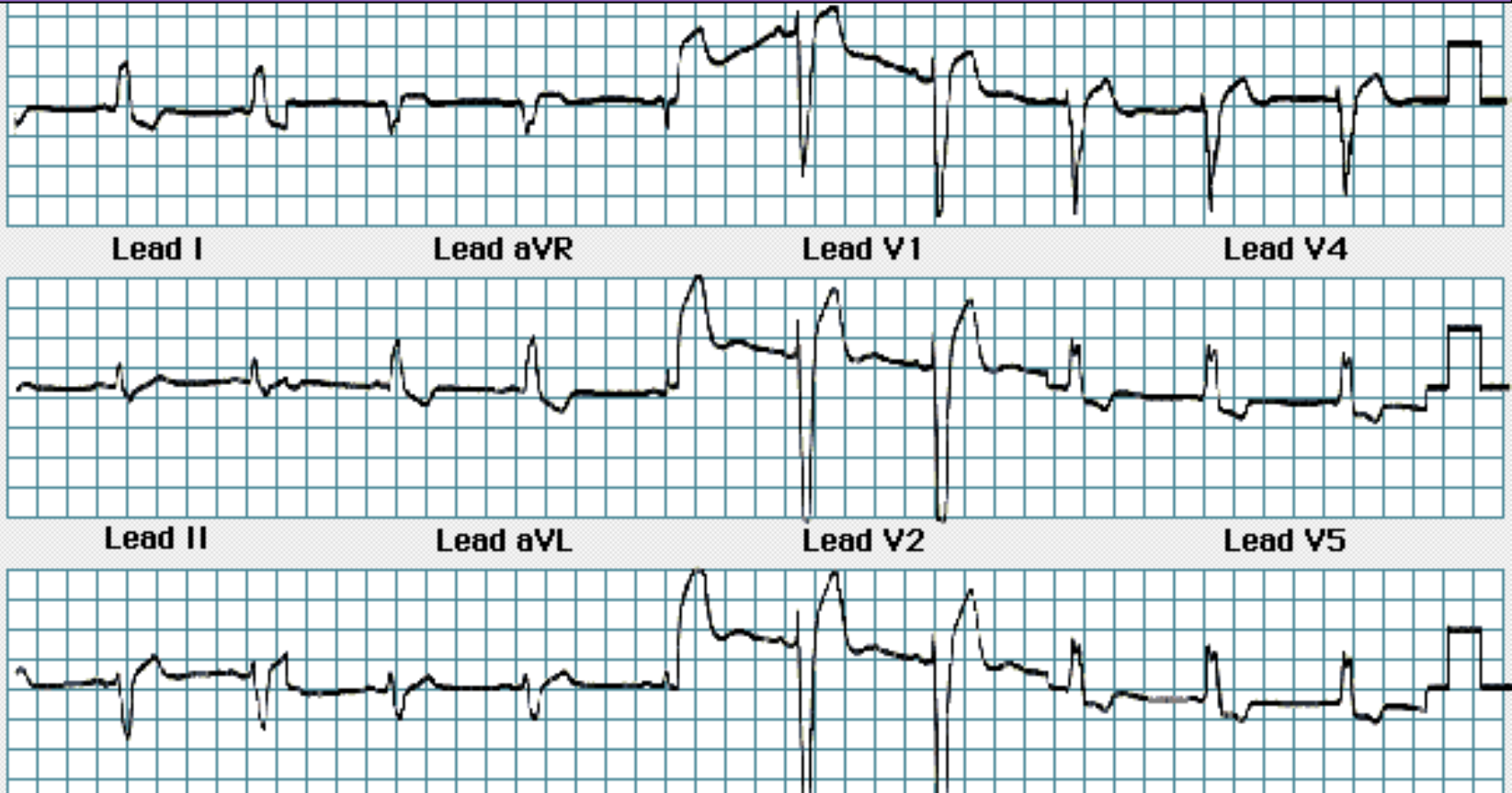
Normal/lărgit

fără relații cu
unda P



Tulburări de conducere

Bloc de ramură stângă



Unda P

Normal

int PQ (sec)

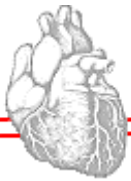
0,12-0,20

QRS(sec)

>0.12 sec

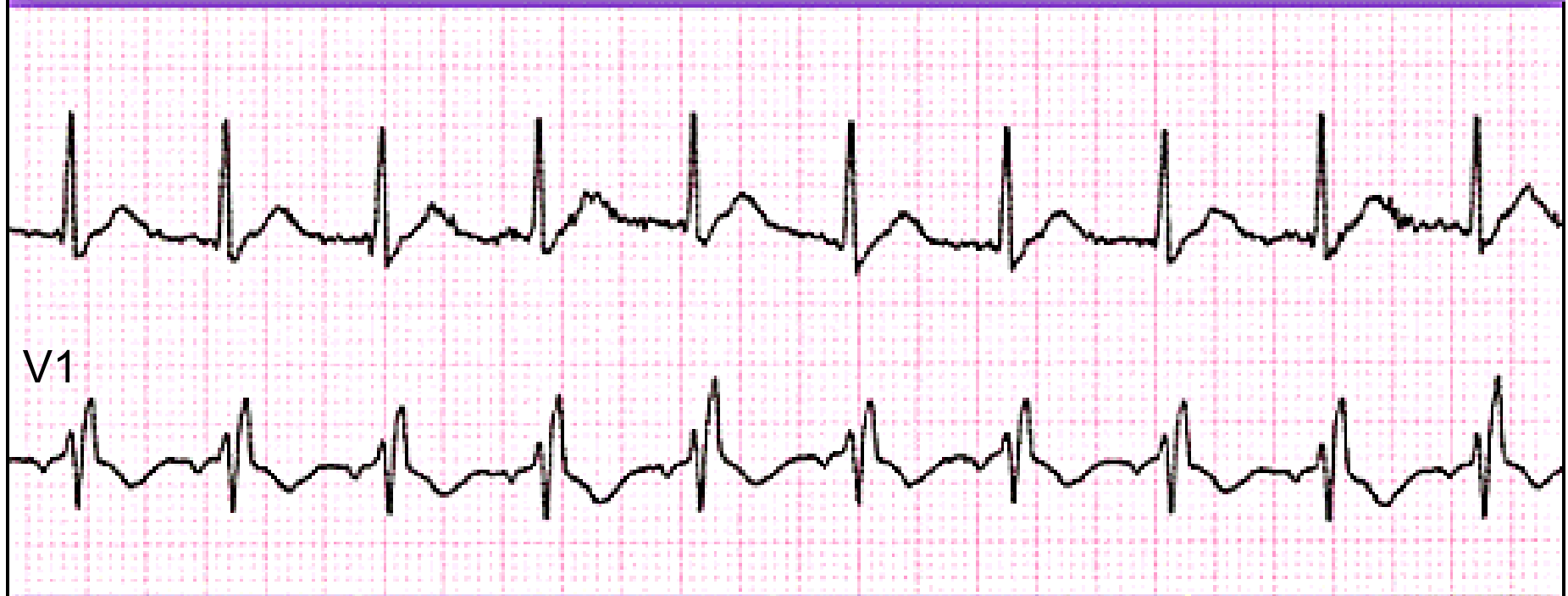
Caractere

**$R_{V5} + S_{V1} > 35\text{mm}$
ax deviat la stg.**



Tulburări de conducere

Bloc de ramură dreaptă



Unda P

Normal

int PQ (sec)

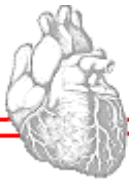
0,12-0,20

QRS (sec)

>0.12 sec

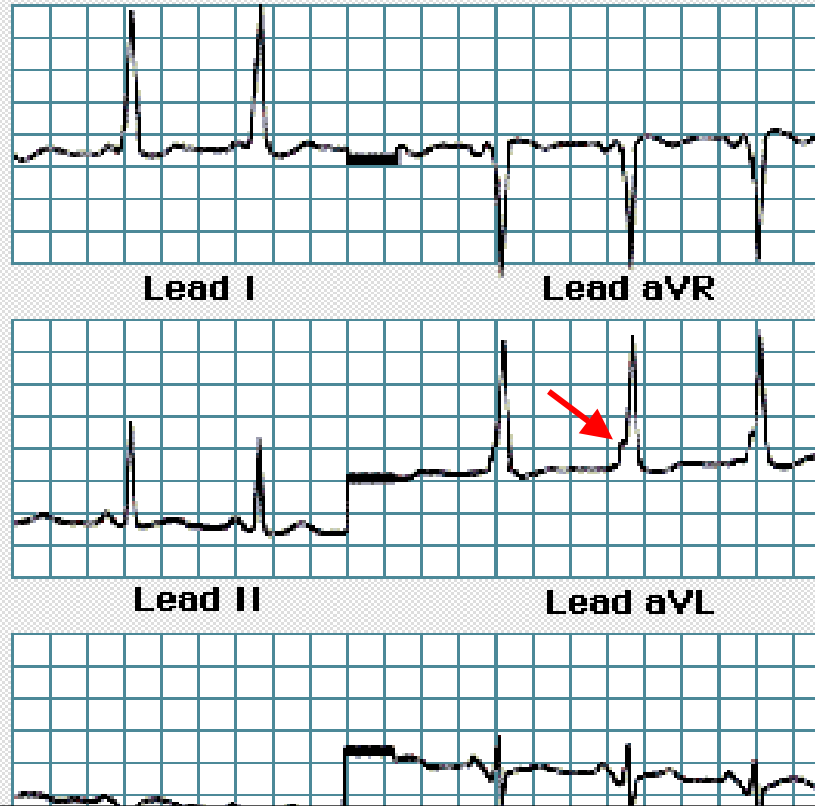
Caractere

**RSR_{V1} ; $S_{V5,6}$
ax deviat la dr.**

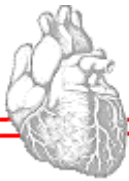


Tulburări de conducere

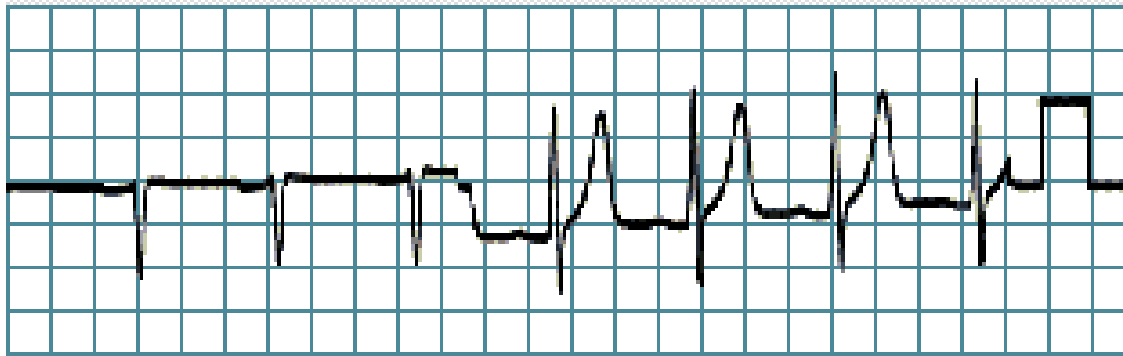
Sindrom de Preexcitație (WPW)



Unda P	int PQ (sec)	QRS (sec)	Caractere
Normal	< 0.12 sec	>0.10-0.12	undă Δ + QRS modificat,

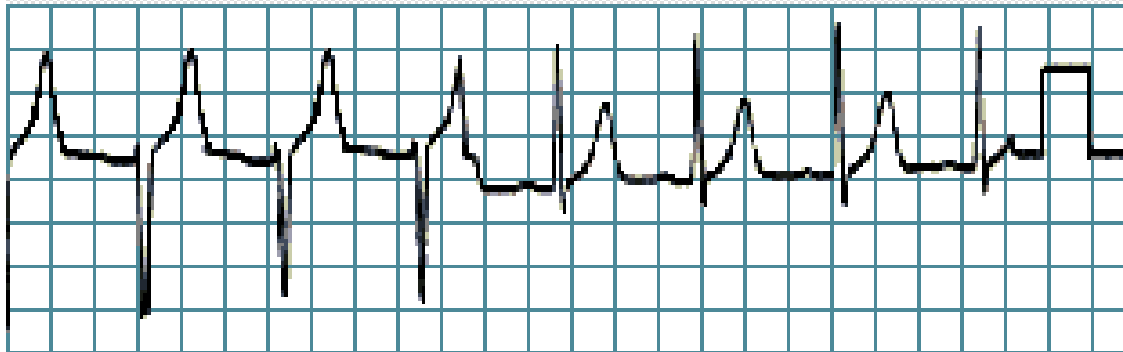


Unde T înalte (Hiperkaliemie)



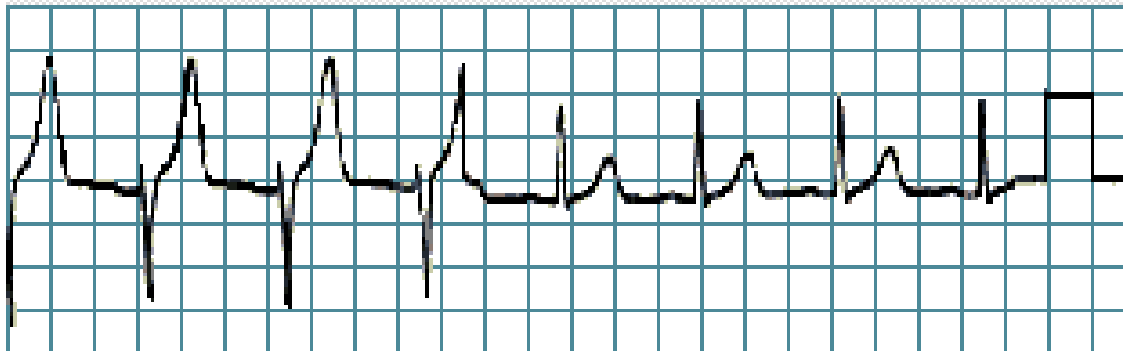
Lead V1

Lead V4



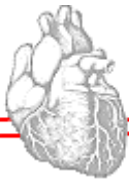
Lead V2

Lead V5

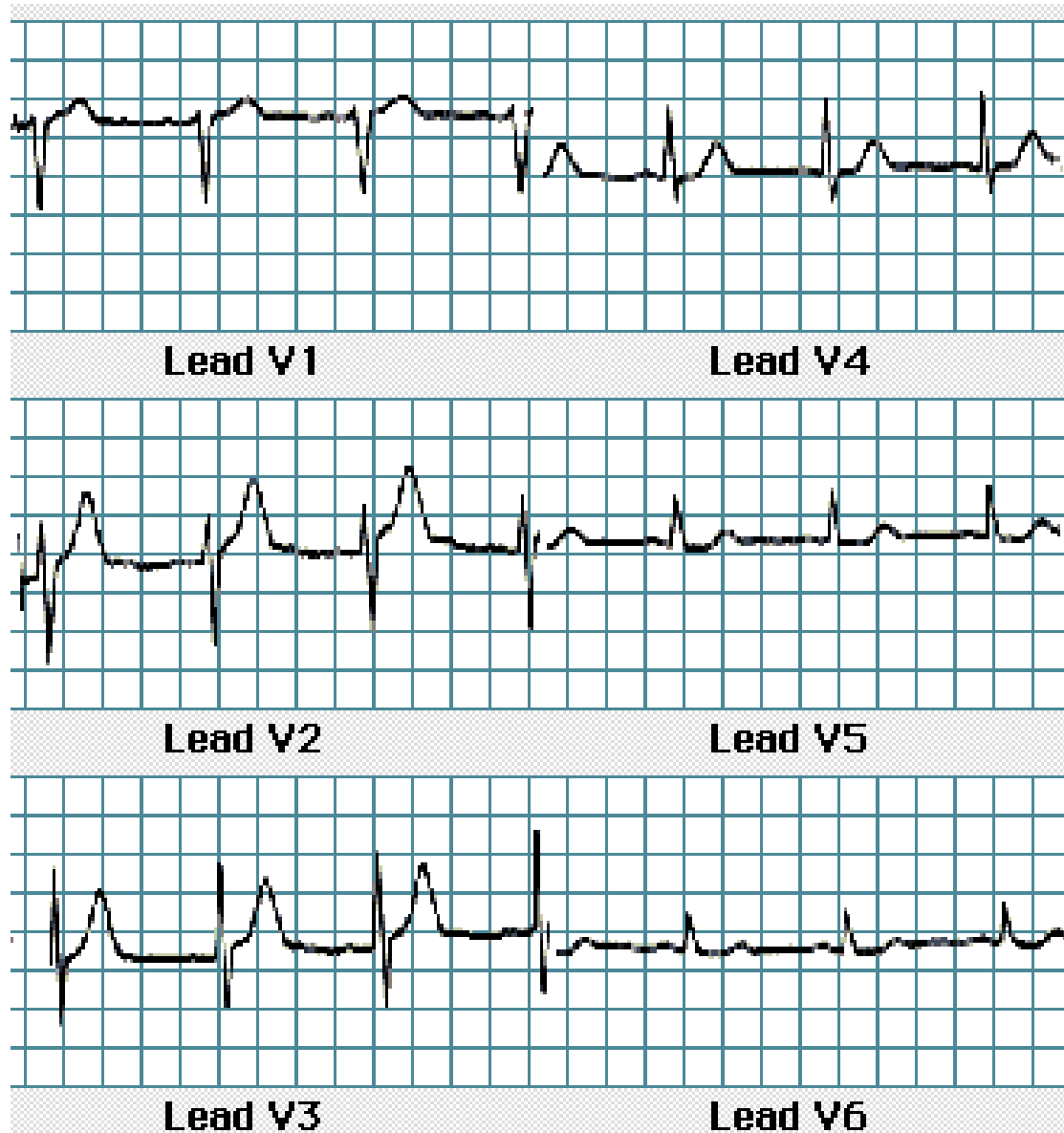


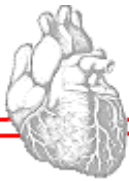
Lead V3

Lead V6

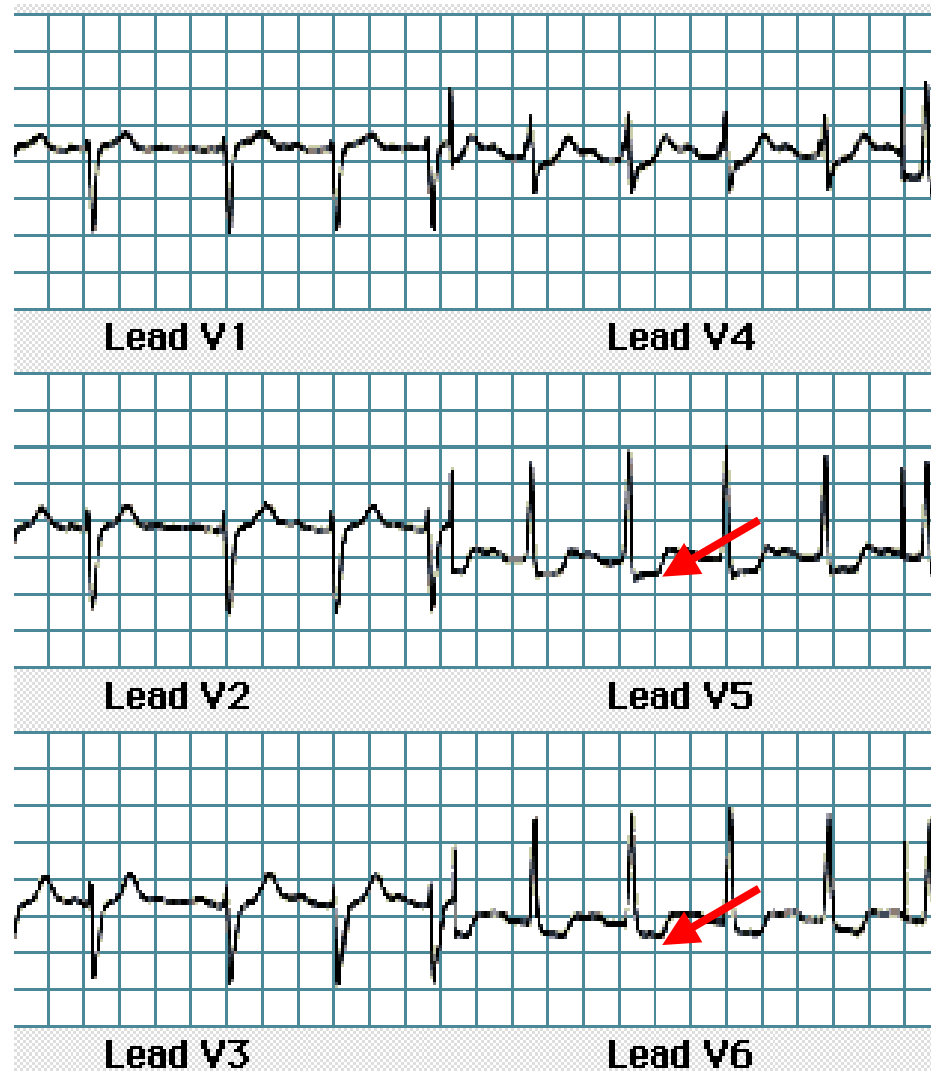


Unde T înalte (Ischemie)

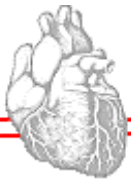




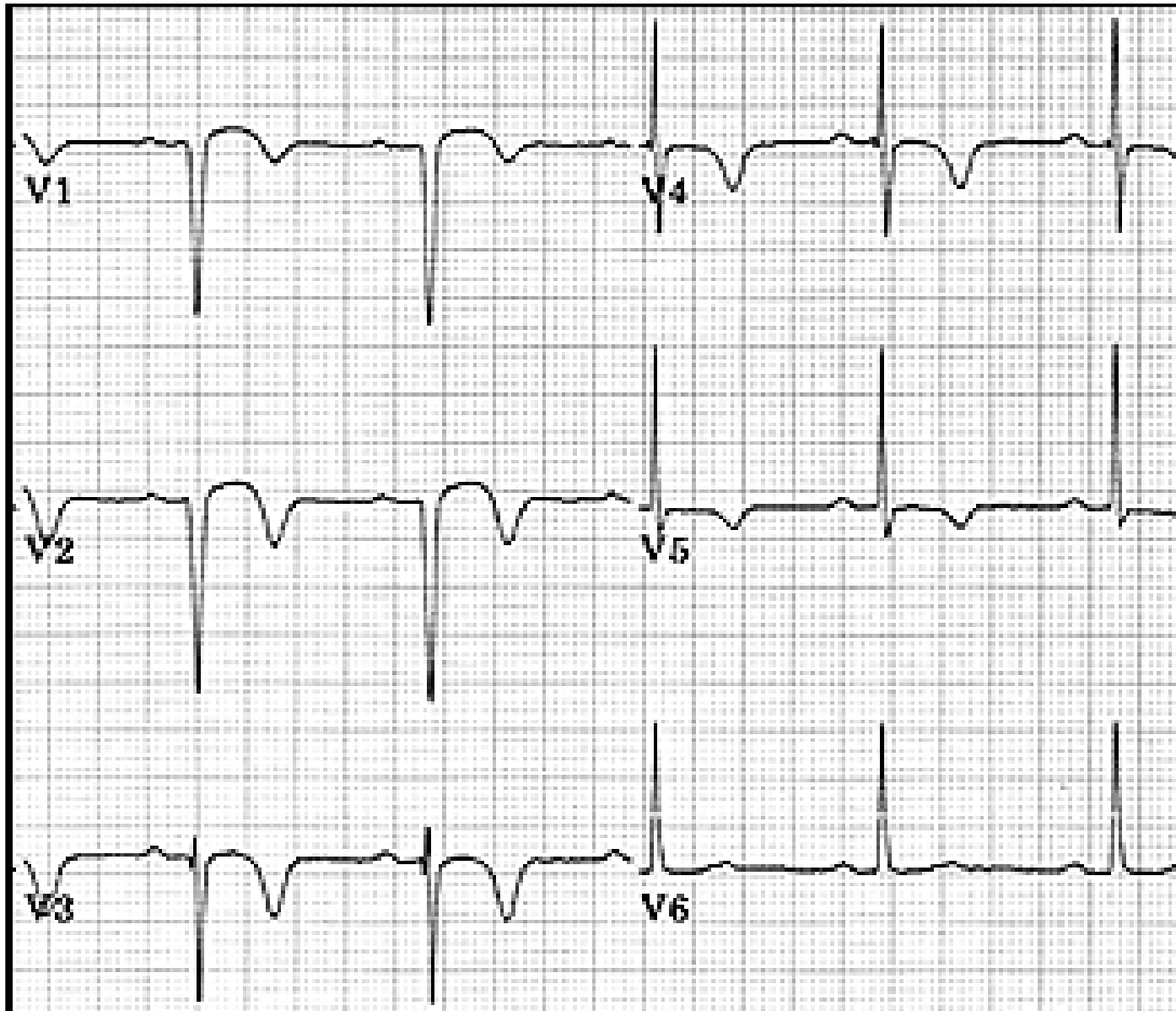
Subdenivelarea segmentului ST

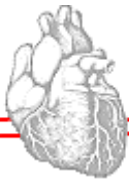


Subdenivelarea segmentului ST cu 1,5 mm sub linia izoelectrică, de la punctul J în V5 și V6.

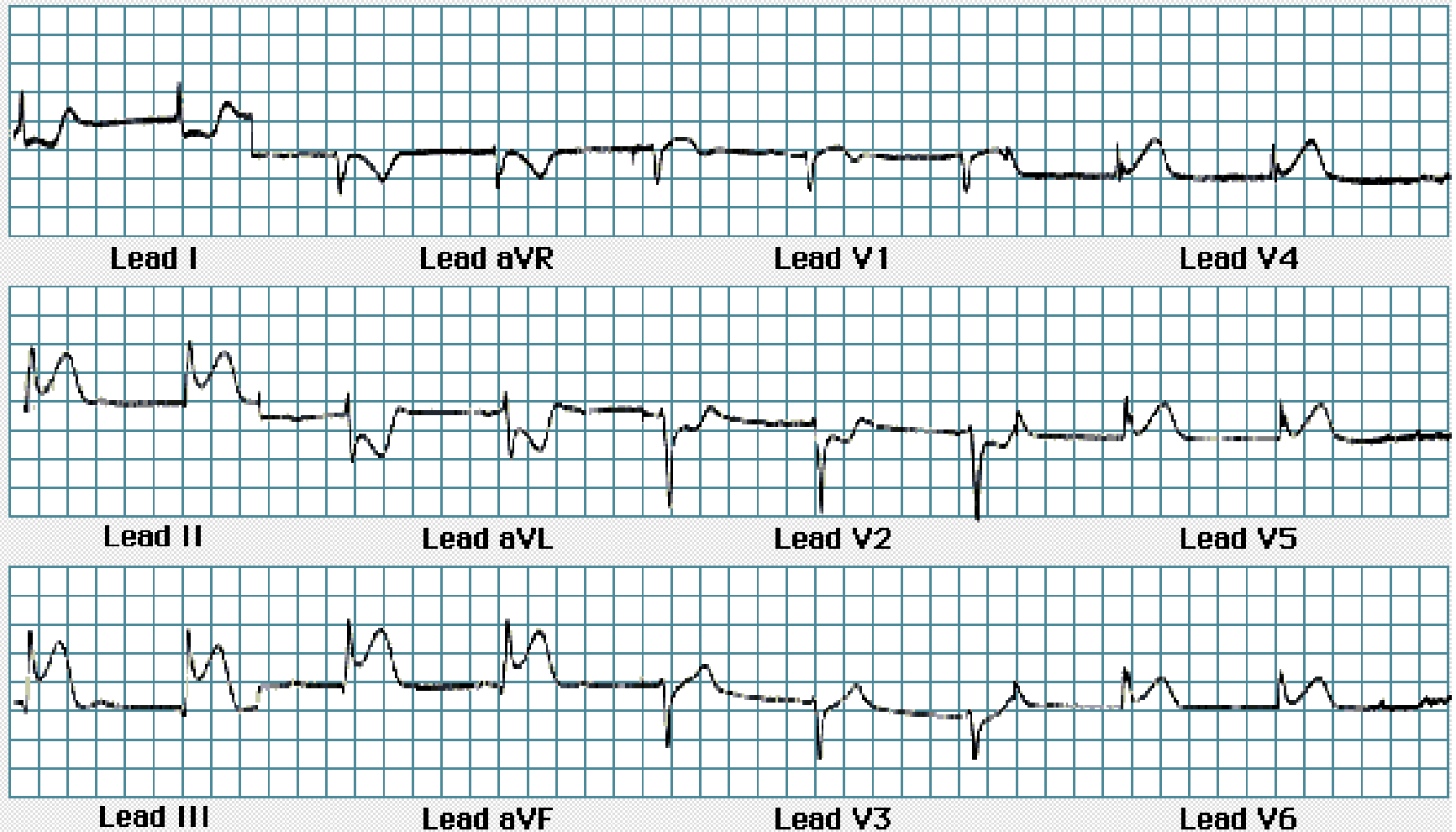


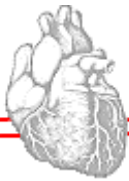
Infarctul miocardic anterior cronic





Infarctul miocardic inferior acut





Infarctul miocardic inferior cronic

