

Electrocardiogramme

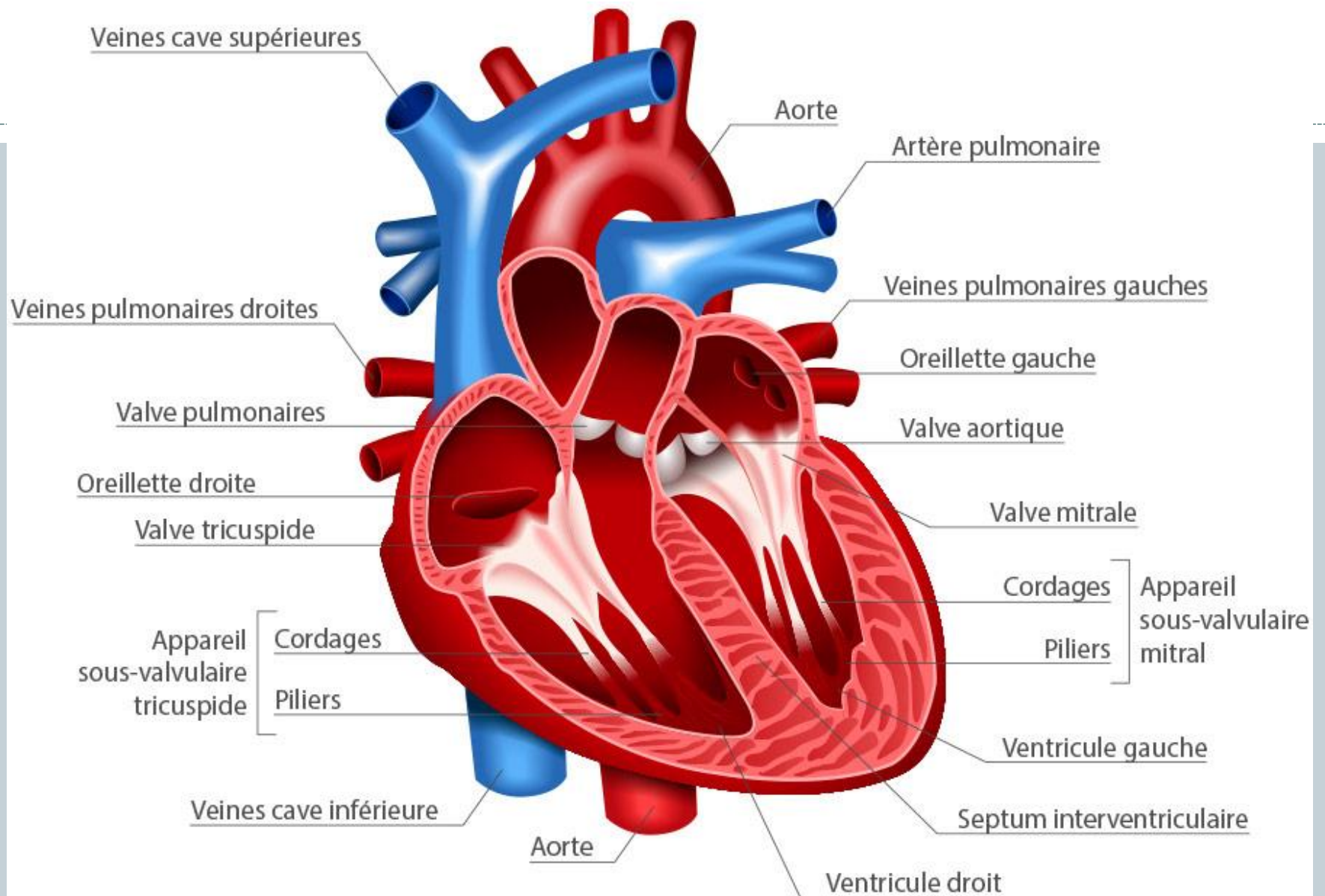


**DE LA THÉORIE À LA
PRATIQUE**

Genèse d'un ECG...

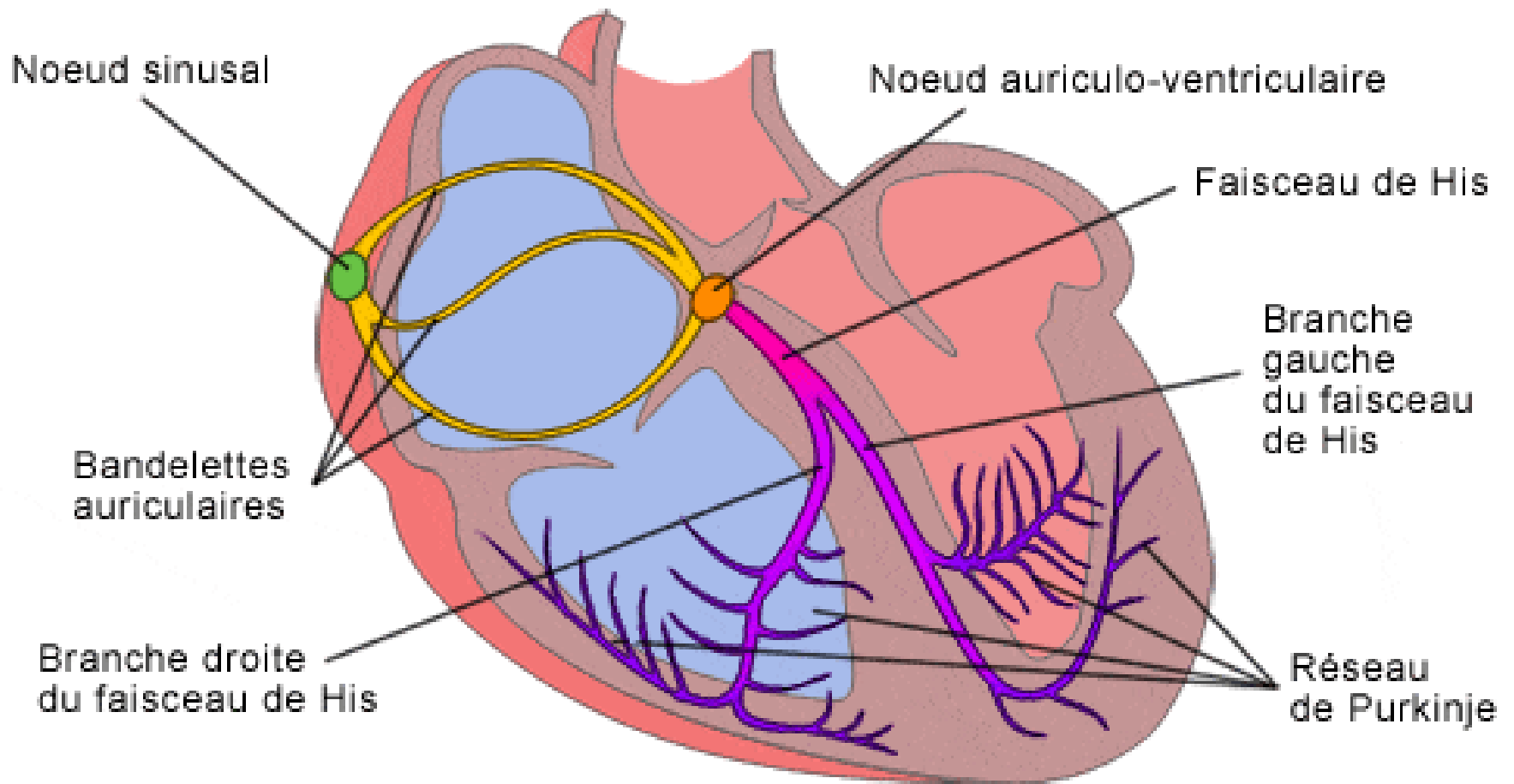






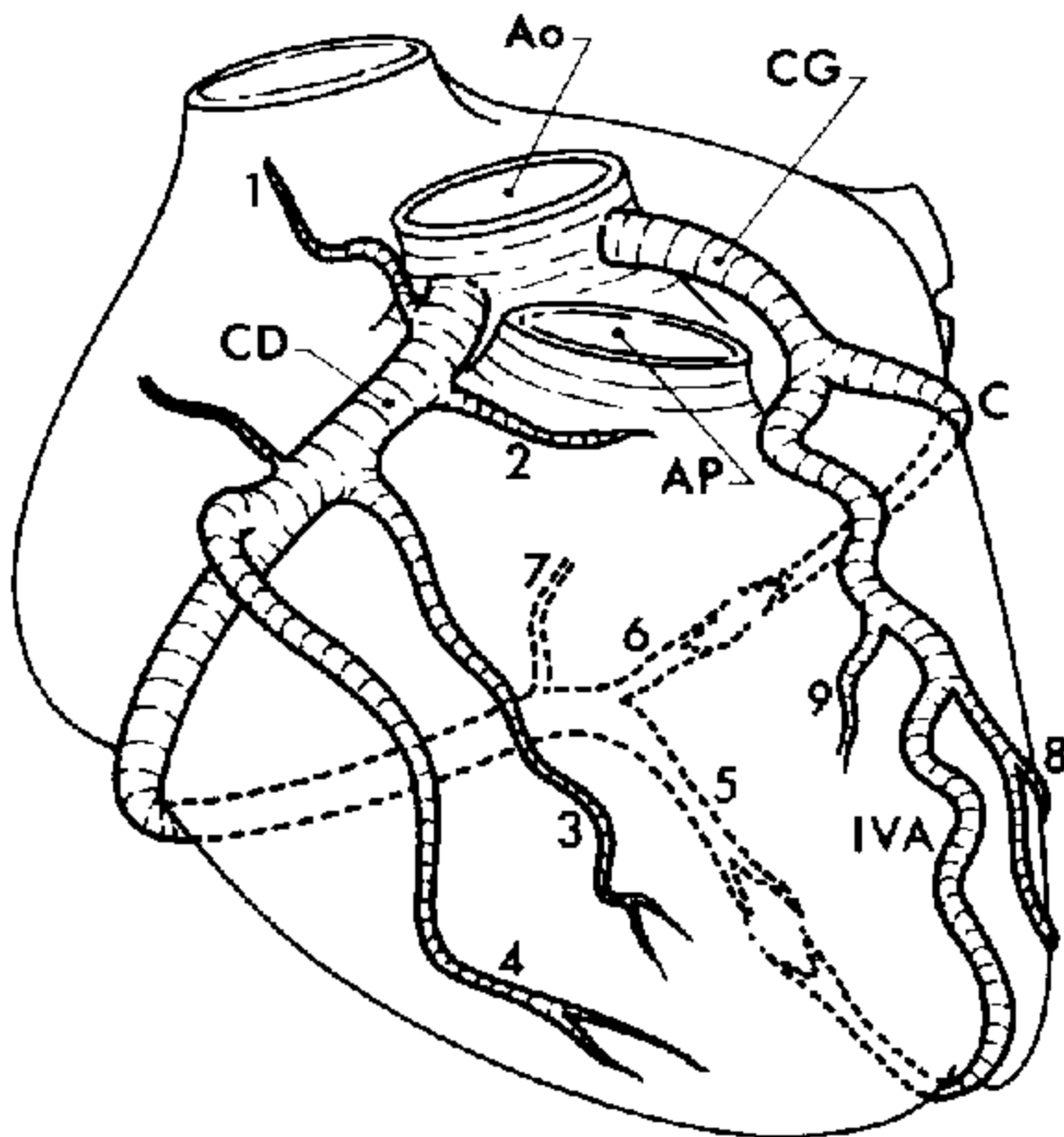


- Dépolarisation
versus
- Repolarisation

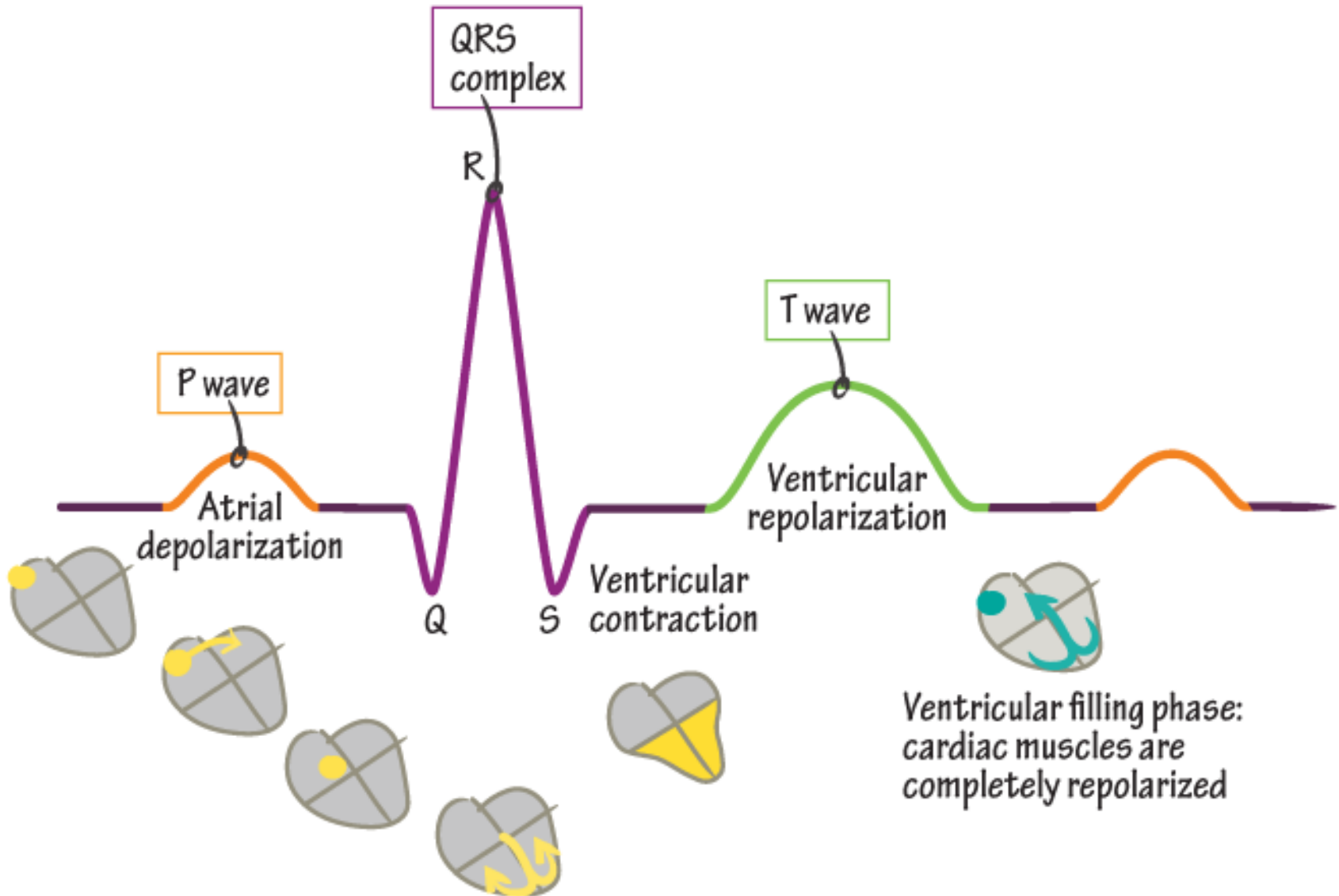


2 façons de conduire l'influx électrique

- Contigüité
- Réseaux spécifiques



L'ECG normal



Réaliser un ECG

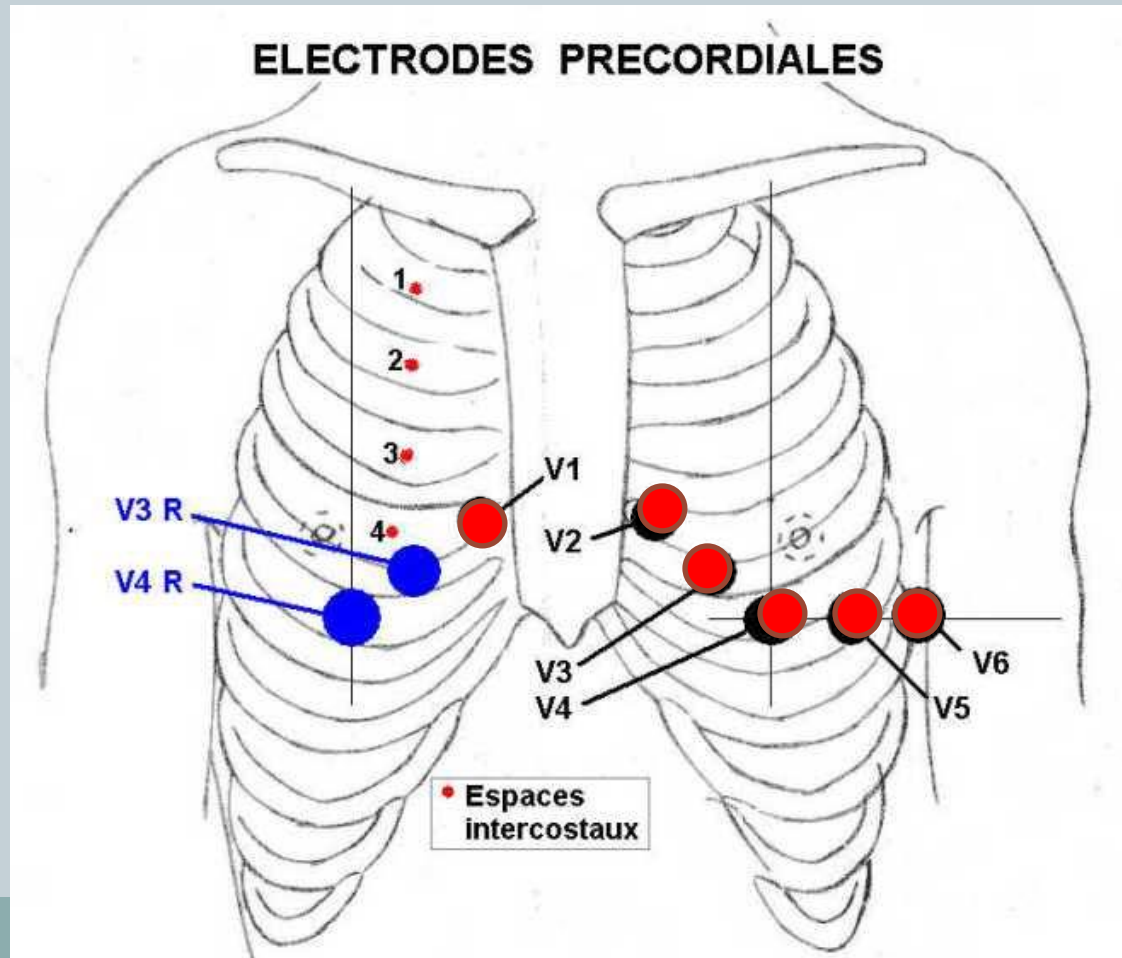


Réaliser un ECG



- Dérivations précordiales :
 - ✦ V1, V2, V3, V4, V5, V6

Dérivations précordiales



Réaliser un ECG

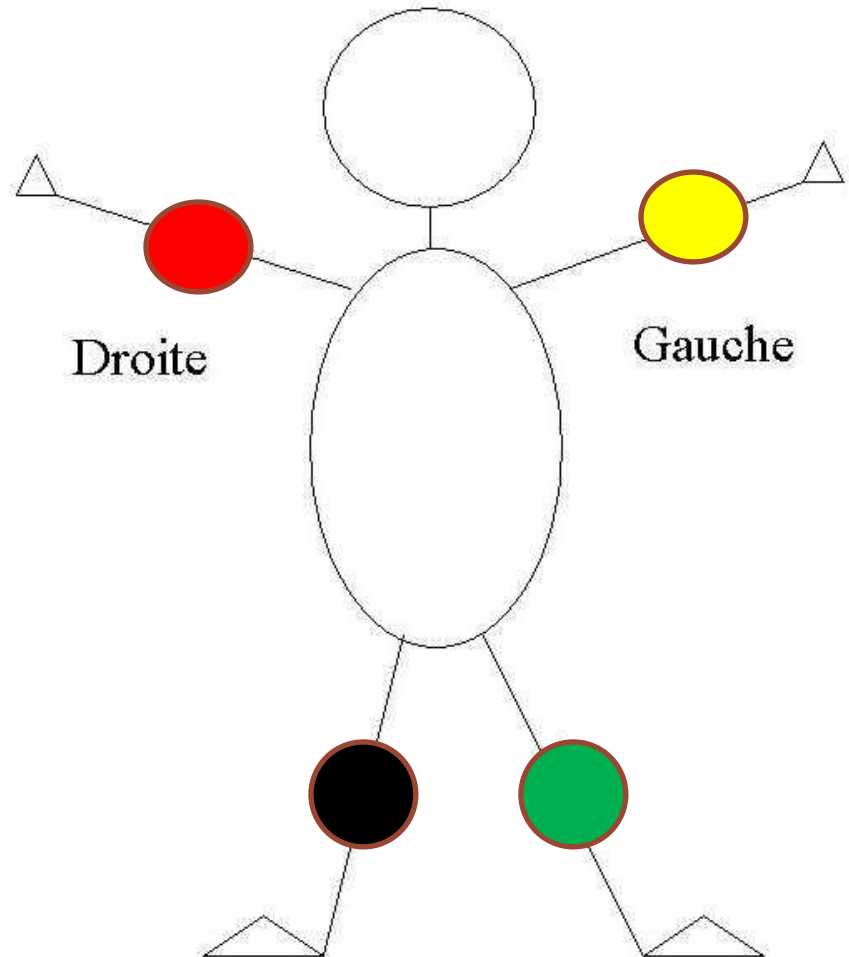


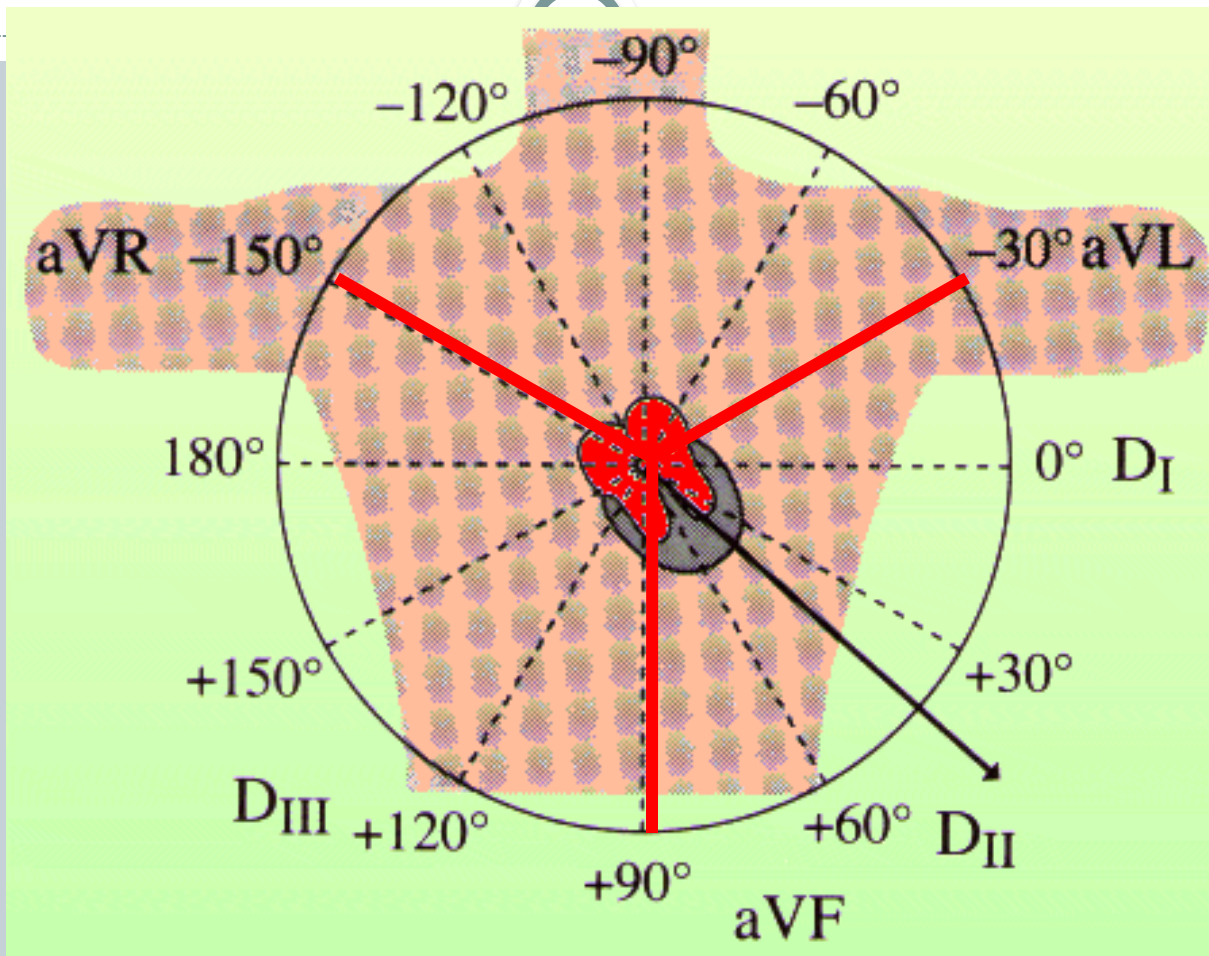
- Dérivations périphériques :
 - ✦ aVF, aVL, D1, D2, D3

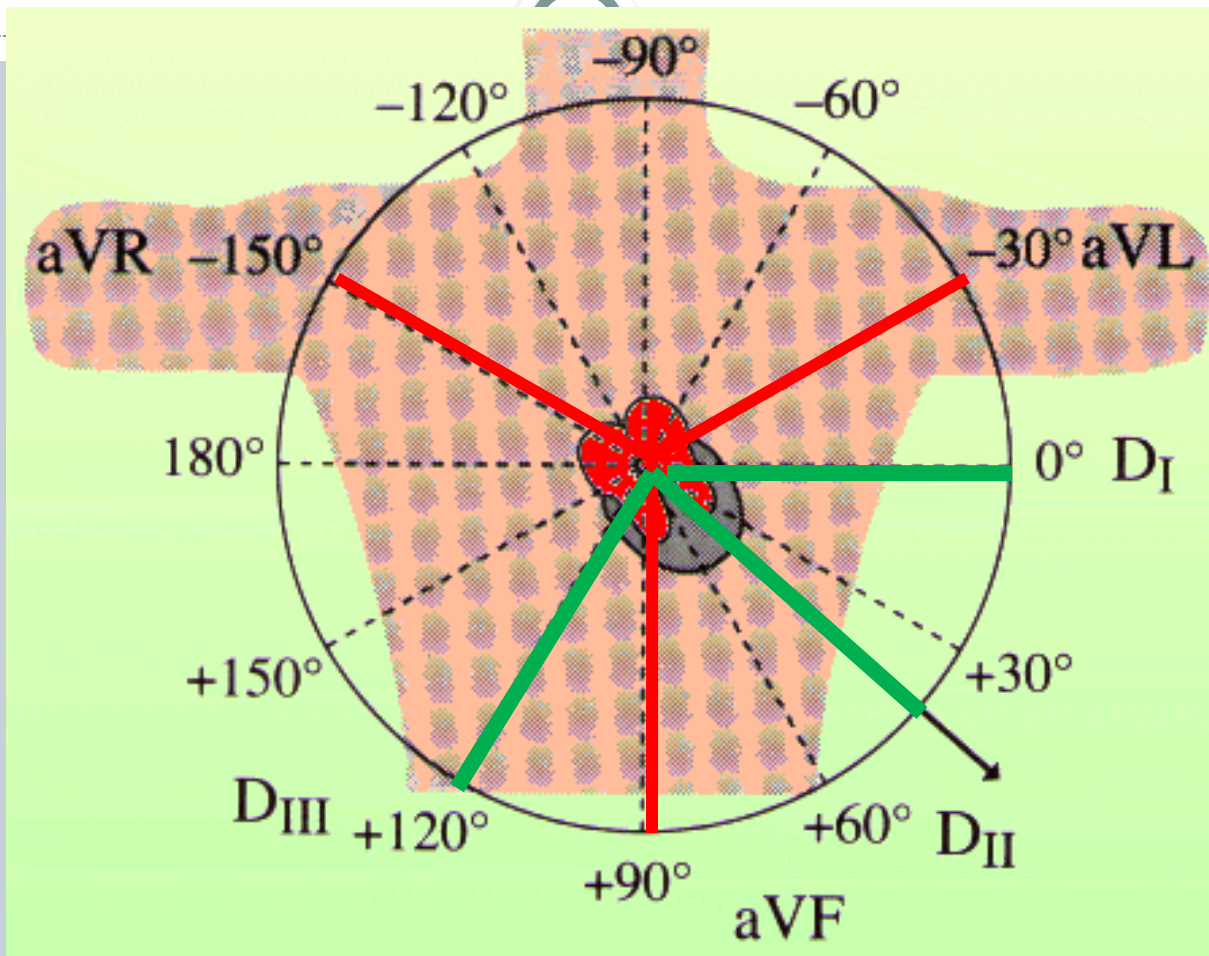
Dérivations périphériques

- aVR, aVL, aVF
- D1, D2, D3

DERIVATIONS PERIPHERIQUES

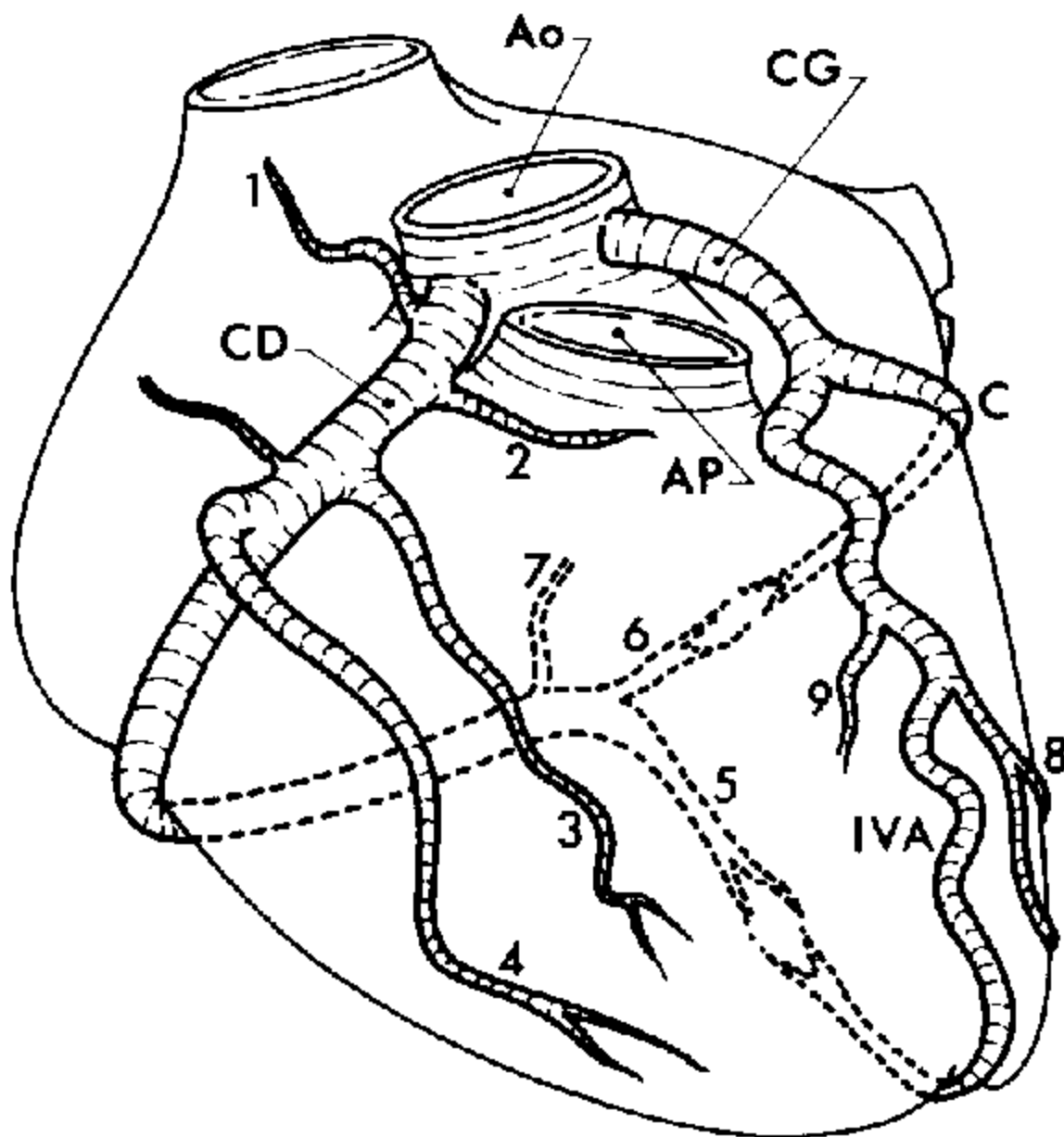








- Impact sur la forme du QRS ?
- Sur anatomie vs troubles de la repolarisation ?



02.10.2018 4:27:57

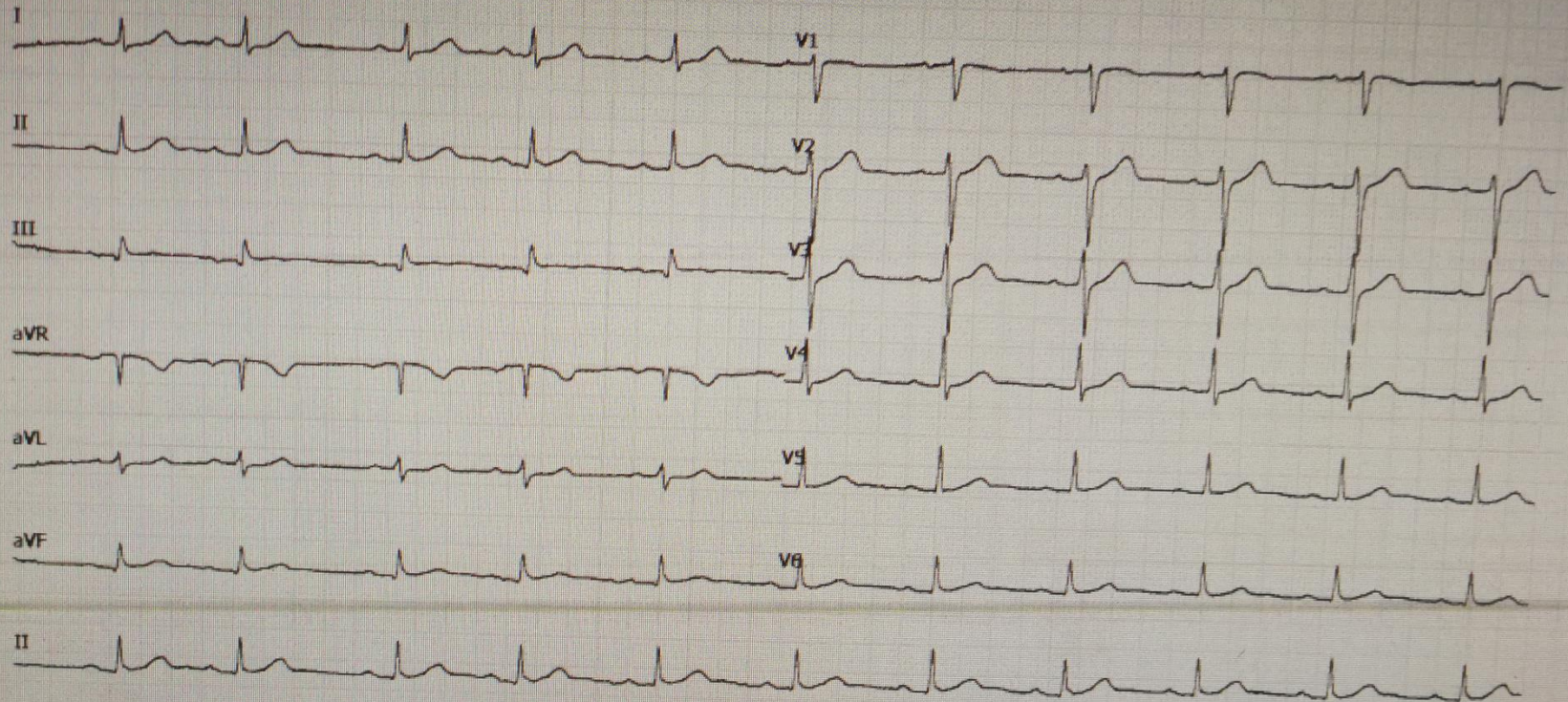
Localité:
Numéro d'ordre:
Indication:
Médicament 1:
Médicament 2:
Médicament 3:

Chambre:

67/min
- / - mmHg

Utilisateur:
Méd. requérant:
Méd. référent:
Méd. soignant:

QRS : 96 ms
QT / QTcBaz : 400 / 422 ms
PQ : 186 ms
P : 100 ms
RR/PP : 890 / 895 ms
P/QRS/T : 20 / 64 / 49 degrés



GE MAC1600

1.0.4

12SL™ v239

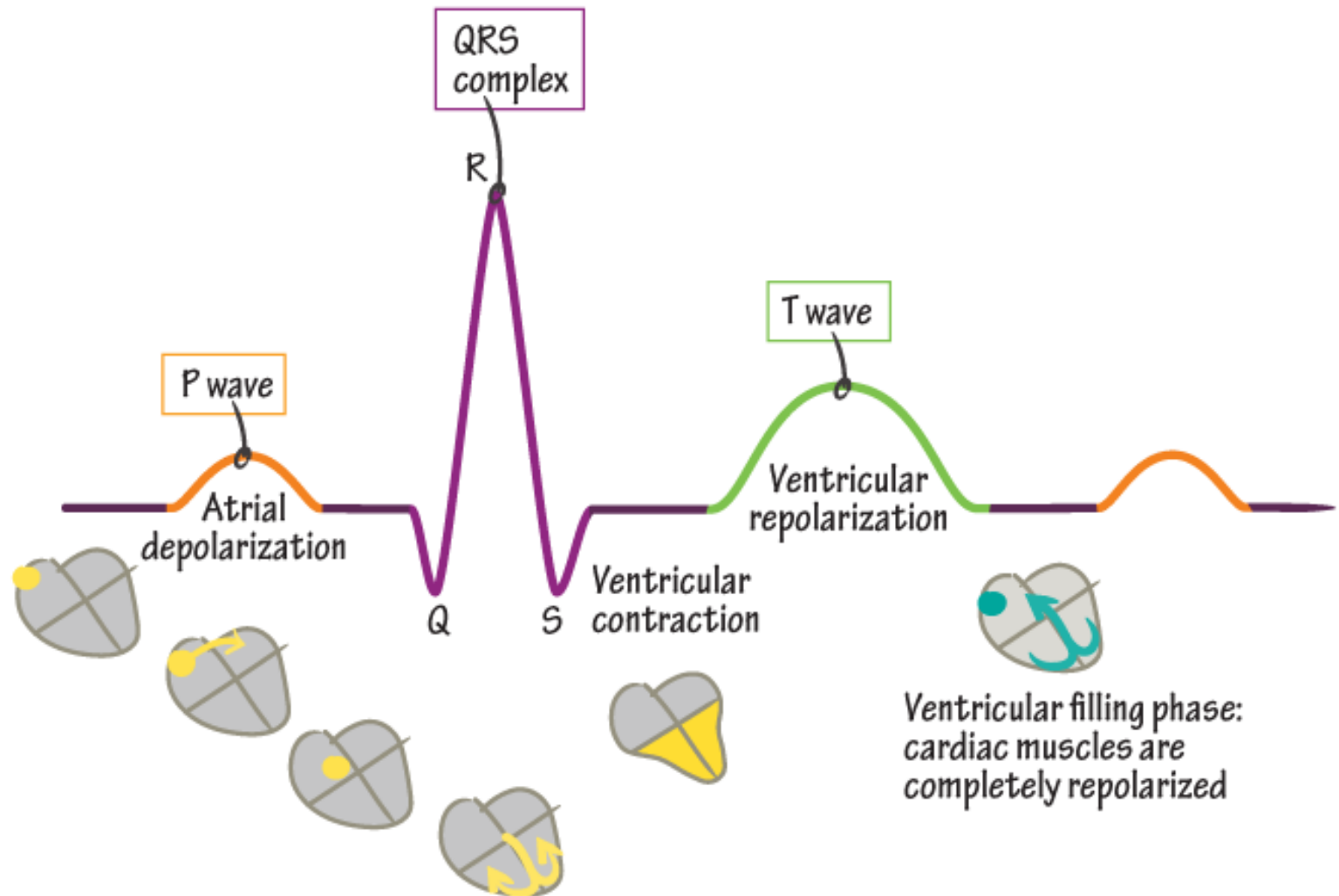
25 mm/s 10 mm/mV

0.16-40 Hz 50 Hz

Non validé

2x5x6_25_R1

1/1



ECG 18 dérivations



- **Indications**

ECG 18 dérivations



● Indications

- ✦ TOUTES douleurs thoraciques ou épigastriques
- ✦ Recherche de souffrance coronarienne aigüe

ECG 18 dérivations



- Comment le faire ?

ECG 18 dérivations

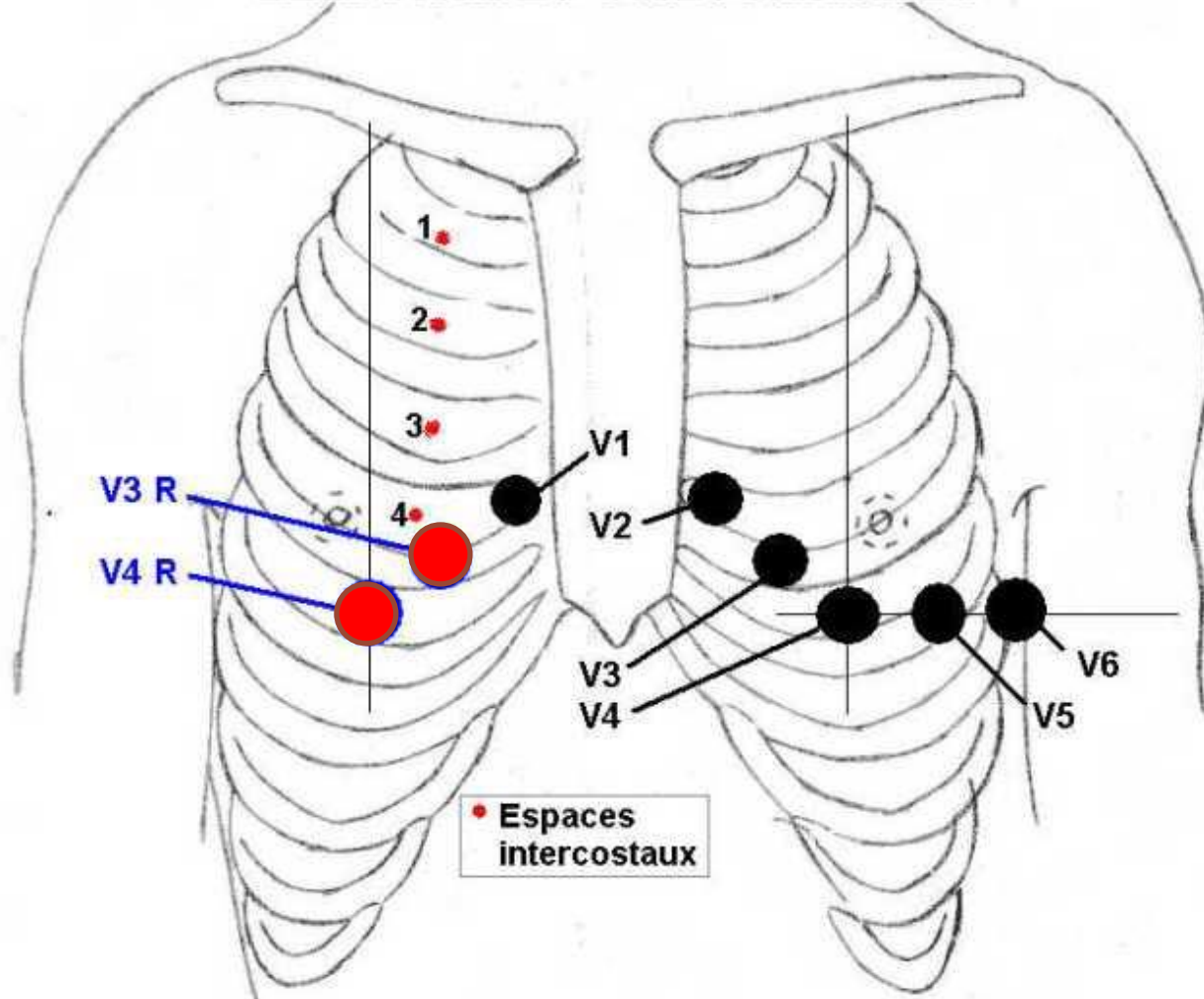


- **Comment le faire ?**

- ✦ Ve, V3r, V4r

- ✦ V7, V8, V9

ELECTRODES PRECORDIALES

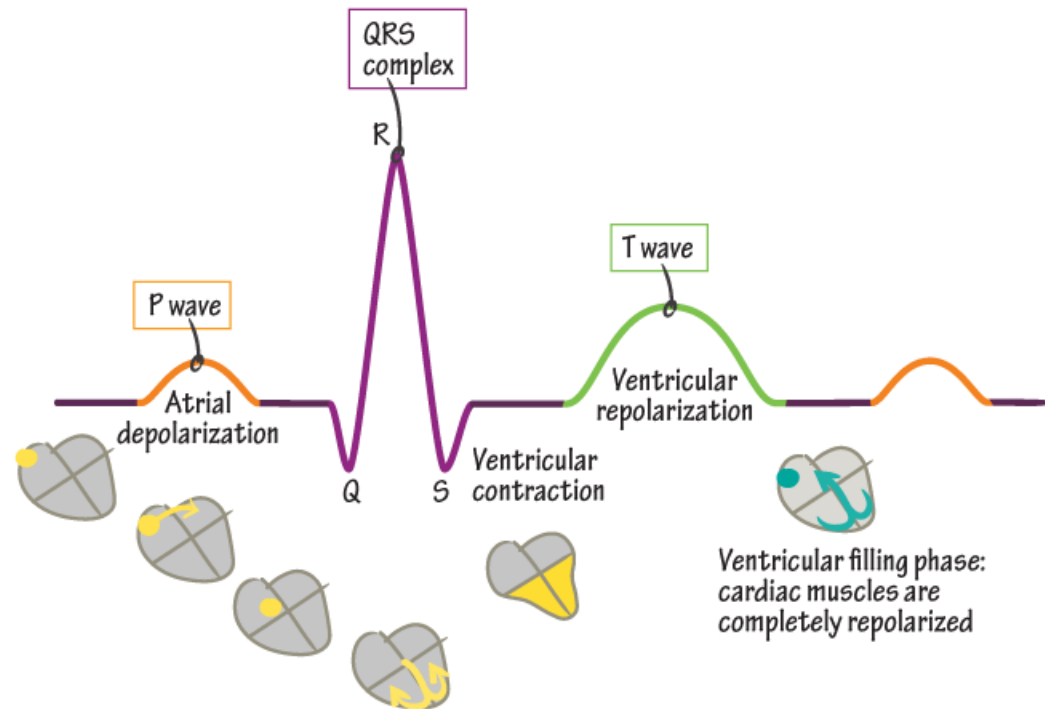


Anomalies ECG



- PR
- QRS
- **Troubles de la repolarisation**
- QT
- Troubles du rythme

Anomalies ECG

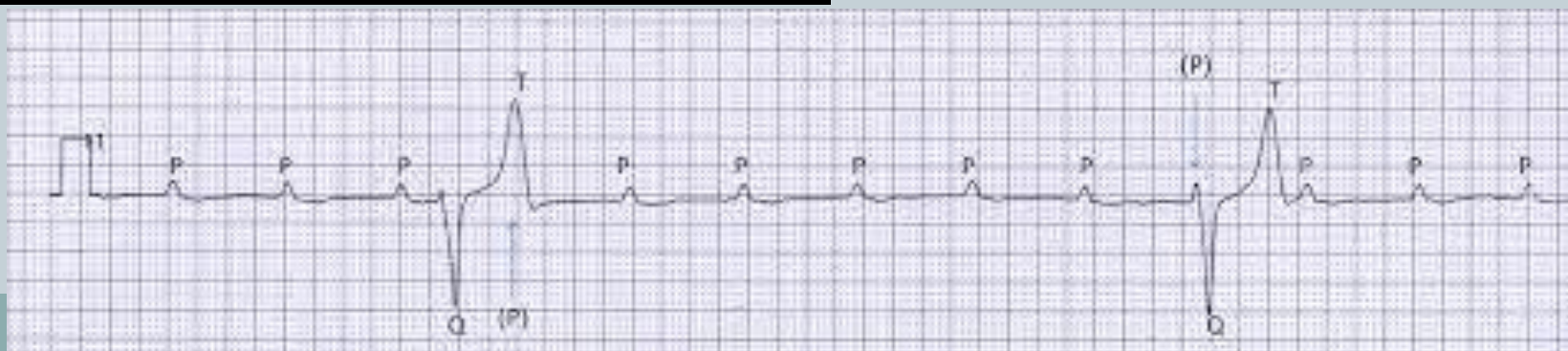
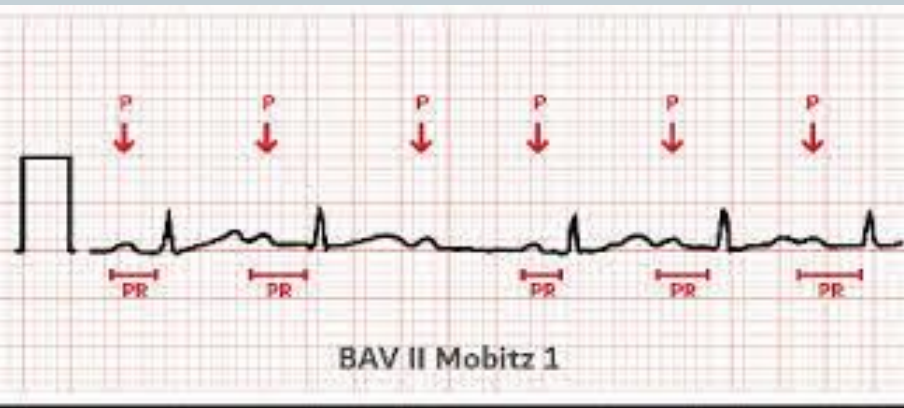


Anomalies ECG



- **Blocs auriculo-ventriculaires**

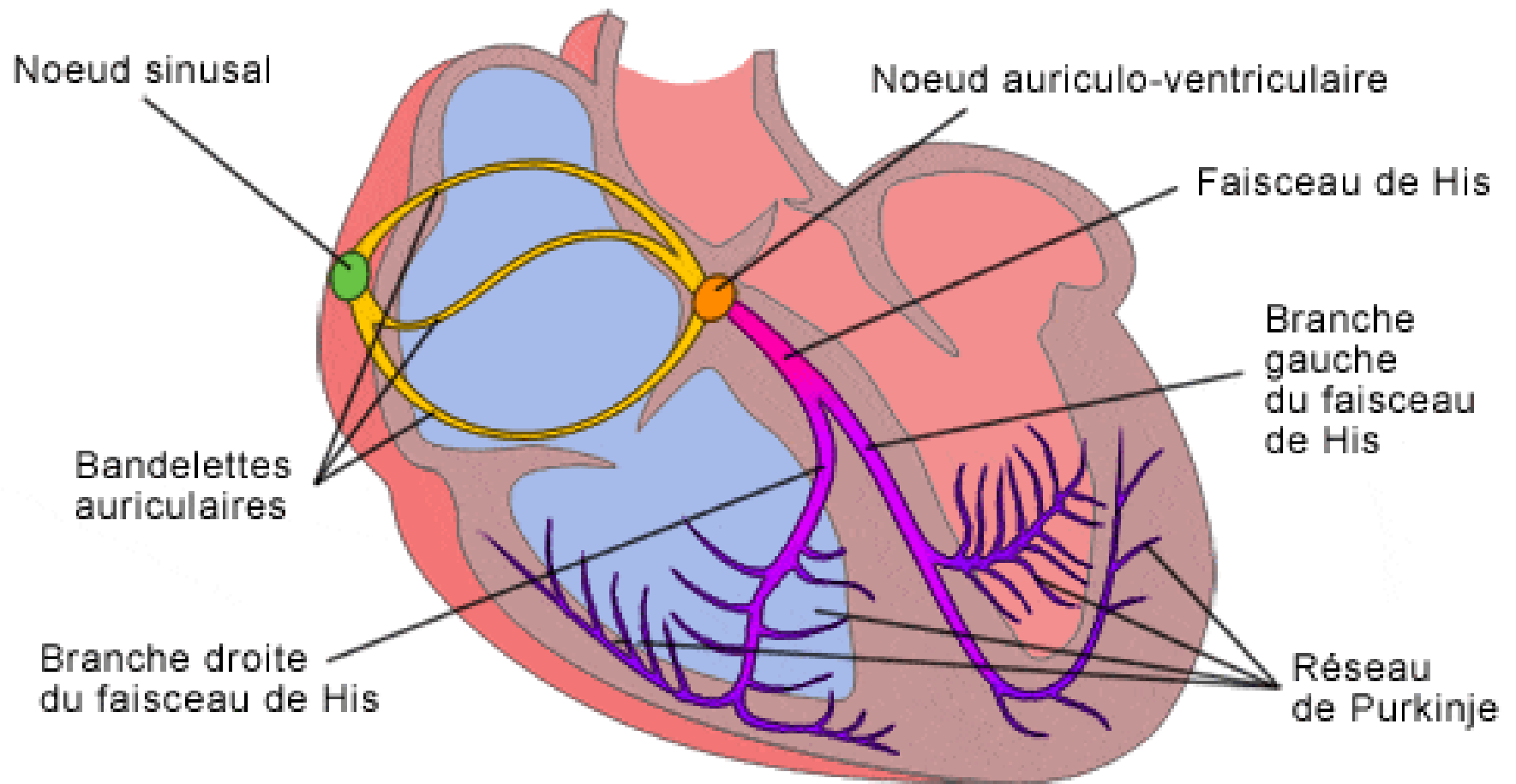
Blocs auriculo-ventriculaires



Anomalies ECG



- Physiologie d'un bloc de branche



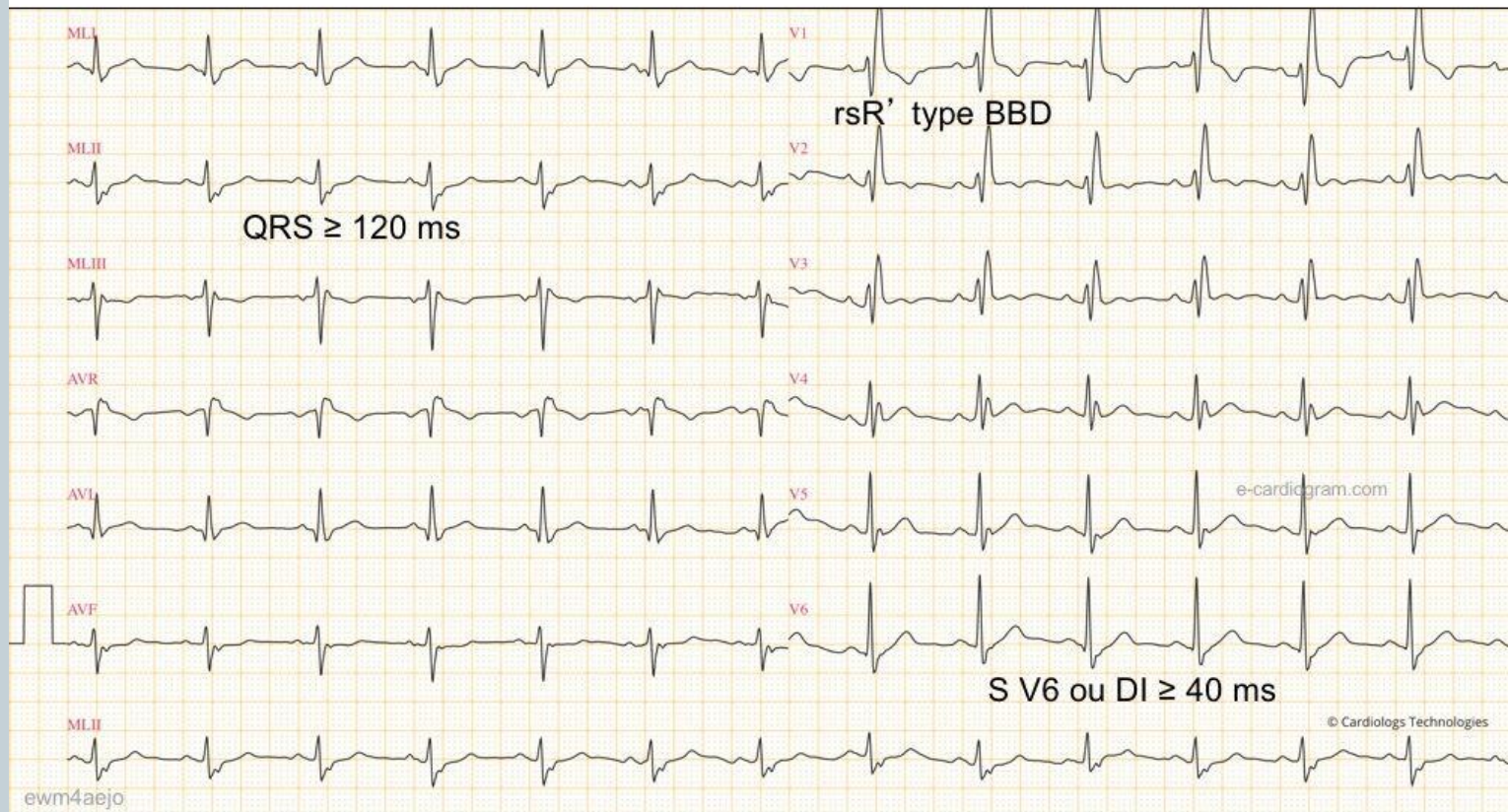
2 façons de conduire l'influx électrique

- Contigüité
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Blocs de branche

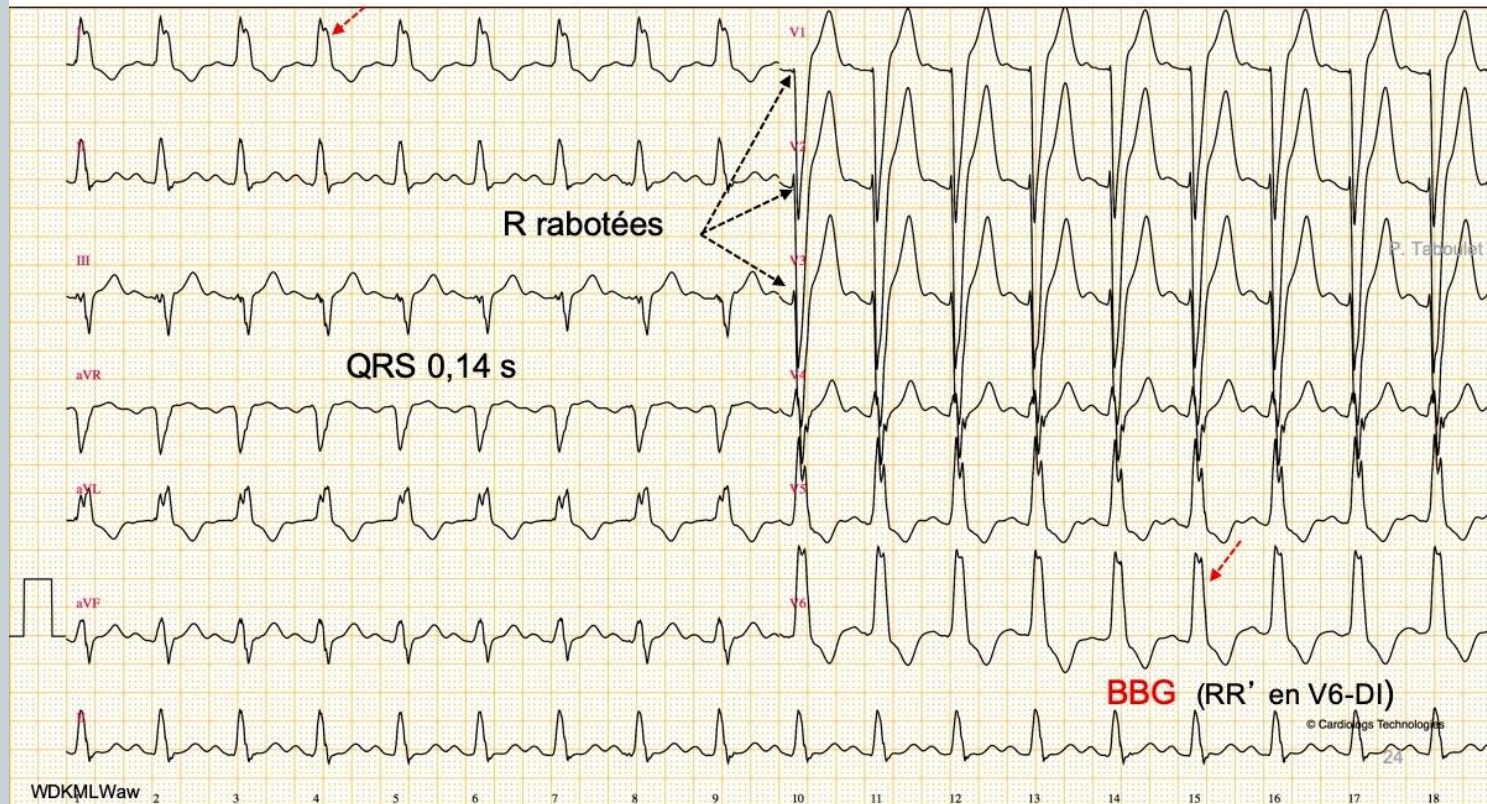
Bloc de branche droit

BBD forme typique



Bloc de branche gauche

Notez la **discordance appropriée** entre les polarités du QRS et du ST (opposées et proportionnelles)

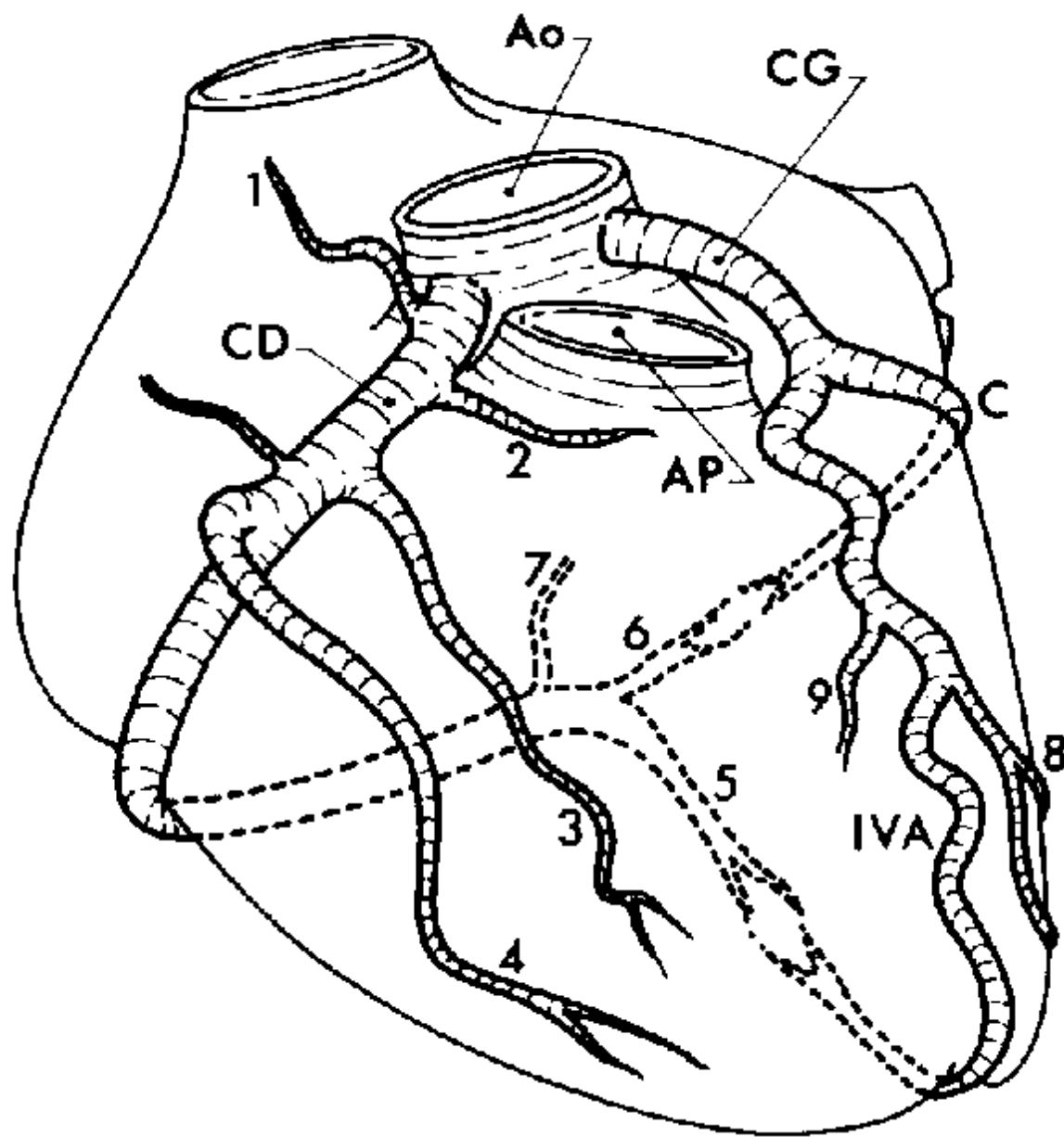


Anomalies ECG



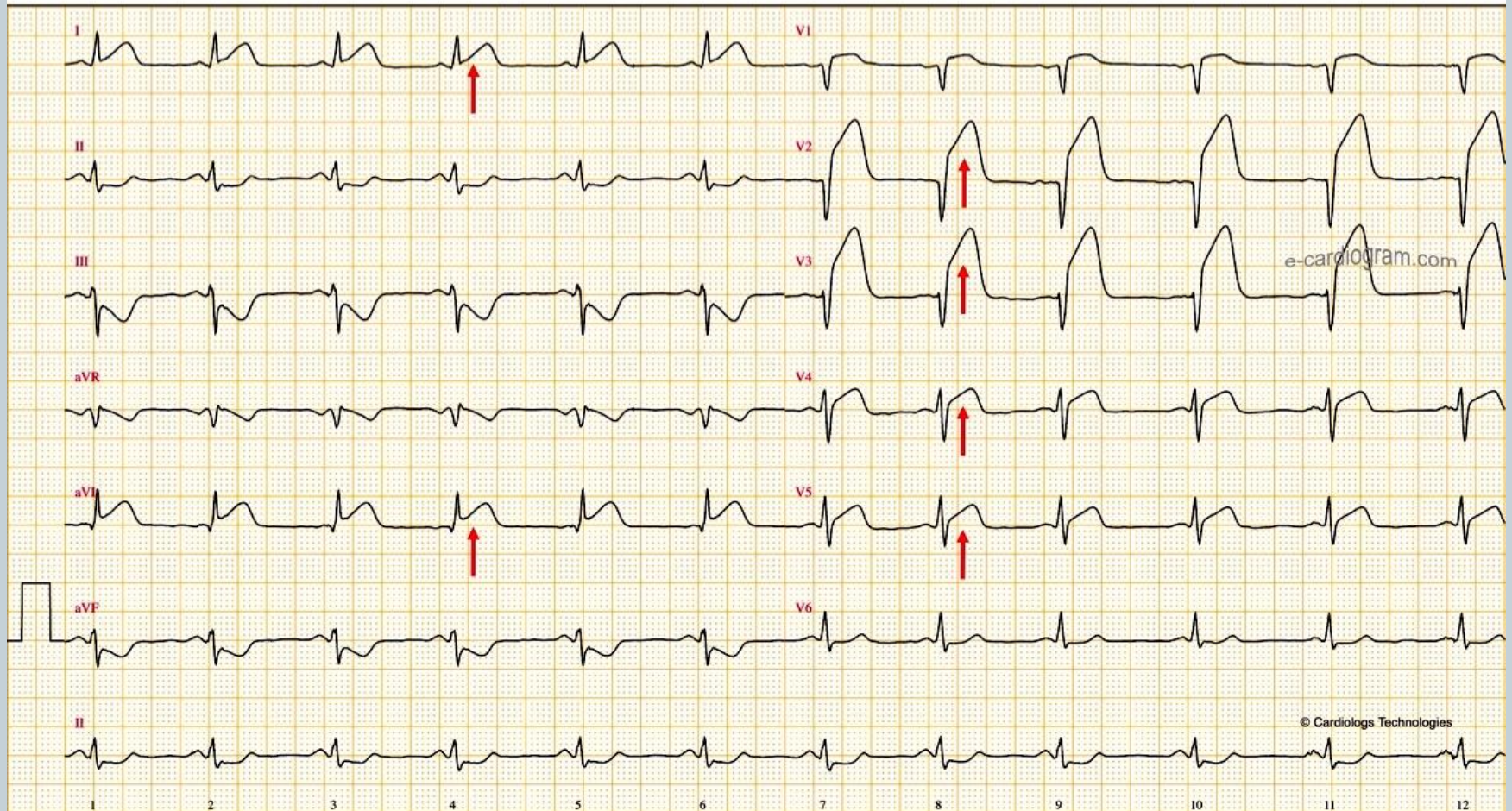
- Troubles de la repolarisation
= souffrance cardiaque





Syndrome coronaire aigu (SCA ST+)

Infarctus ST+ **antérieur étendu** (occlusion IVA)

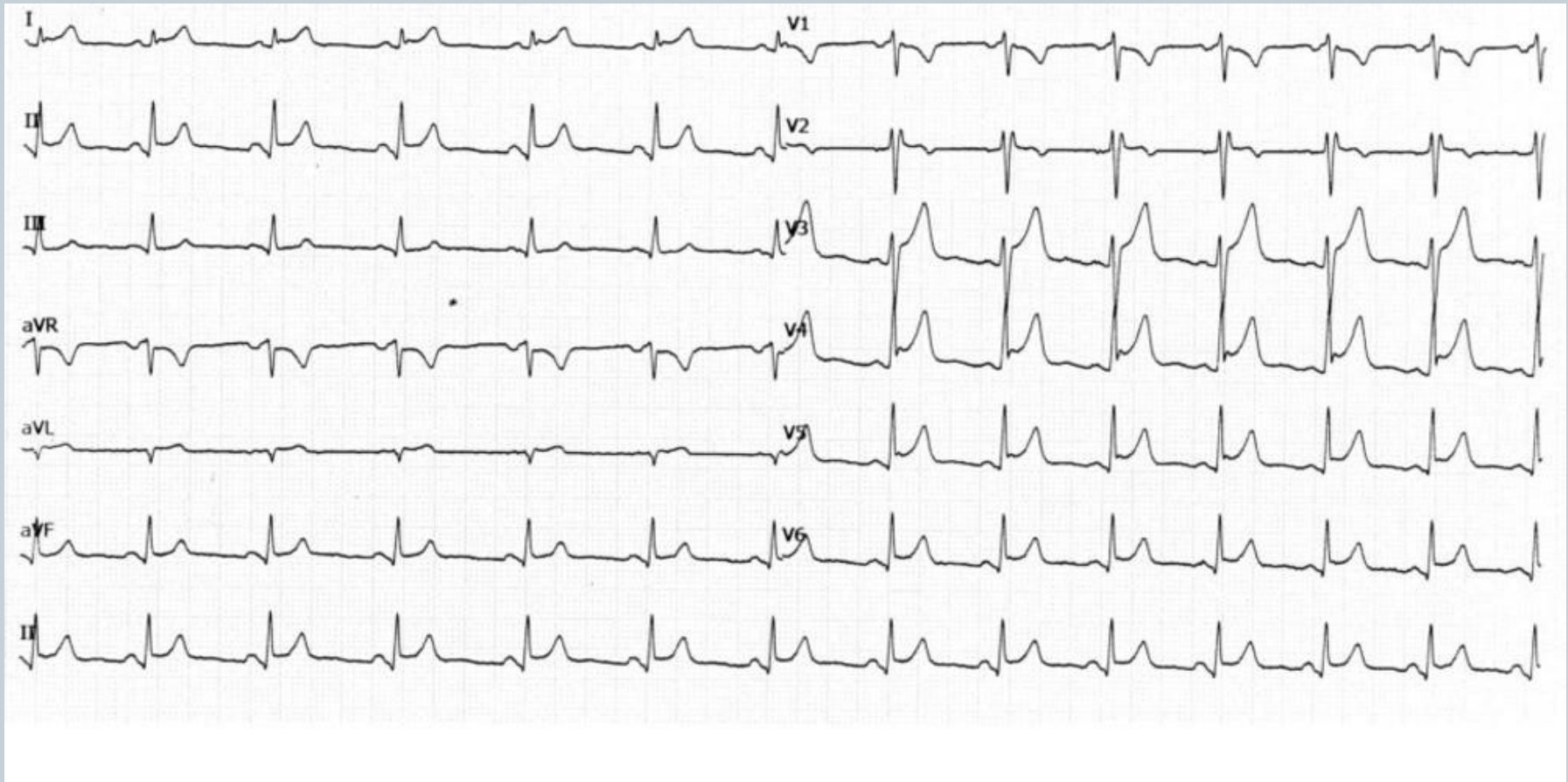


Anomalies ECG



- Péricardite
 - Sus ST diffus
 - Sous décalage du PQ

Péricardite



Anomalies ECG

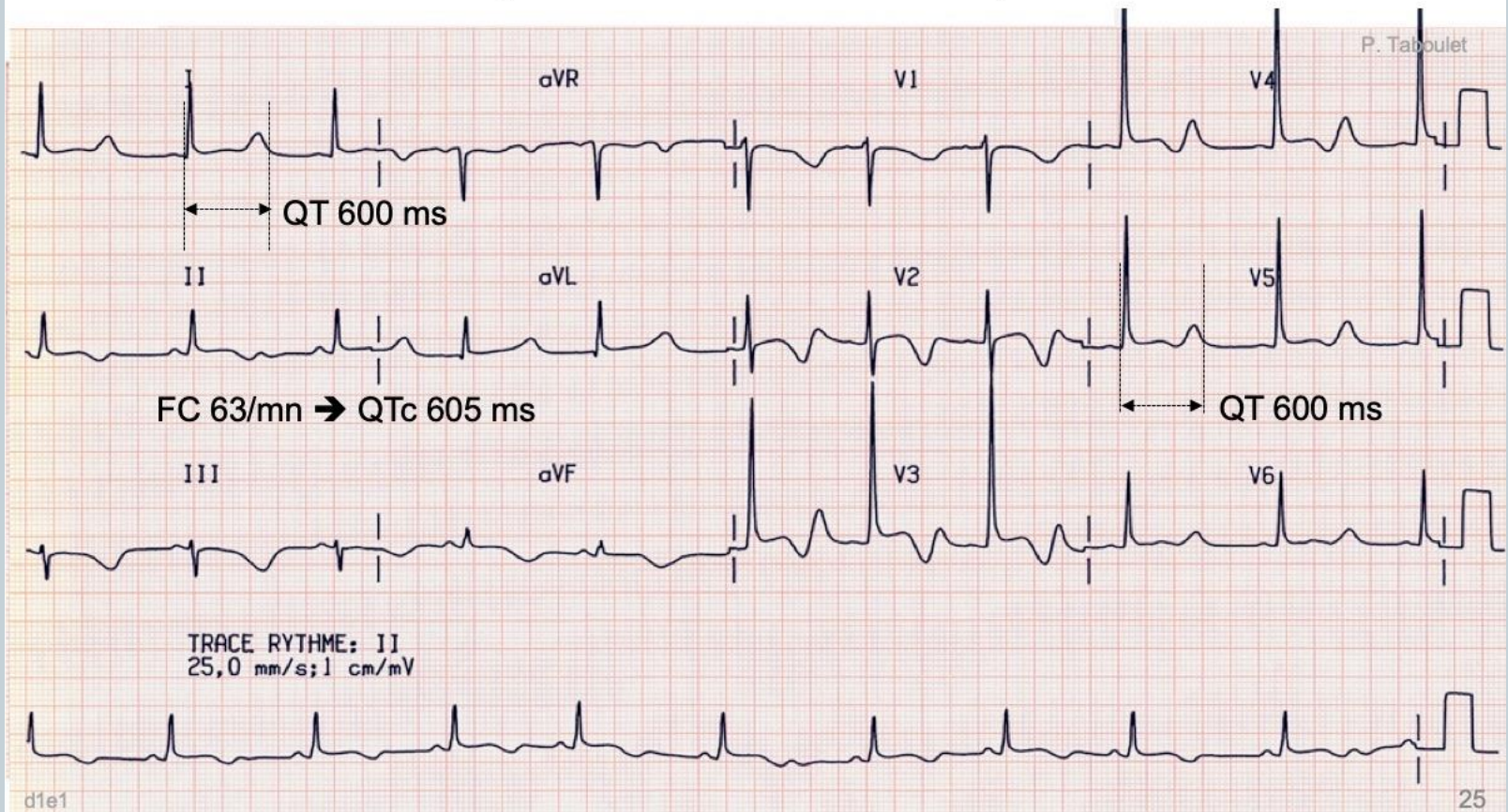


- **Anomalies du QT**

Syndrome du QT long

Congénital + halofantrine

Anomalie de repolarisation avec intervalle QT long
(souvent difficile à mesurer)



Anomalies ECG



- Troubles du rythme cardiaque

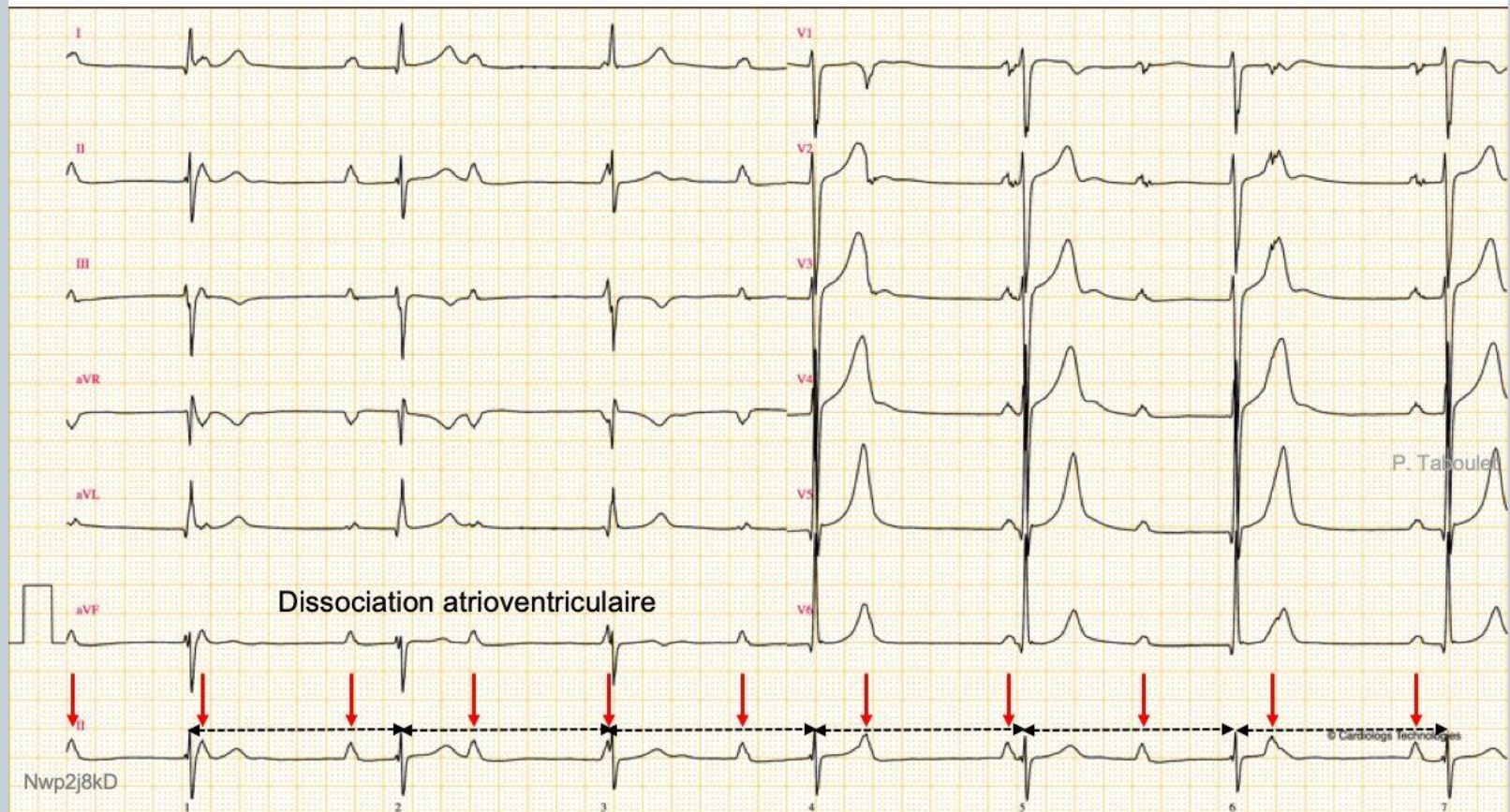
Anomalies ECG

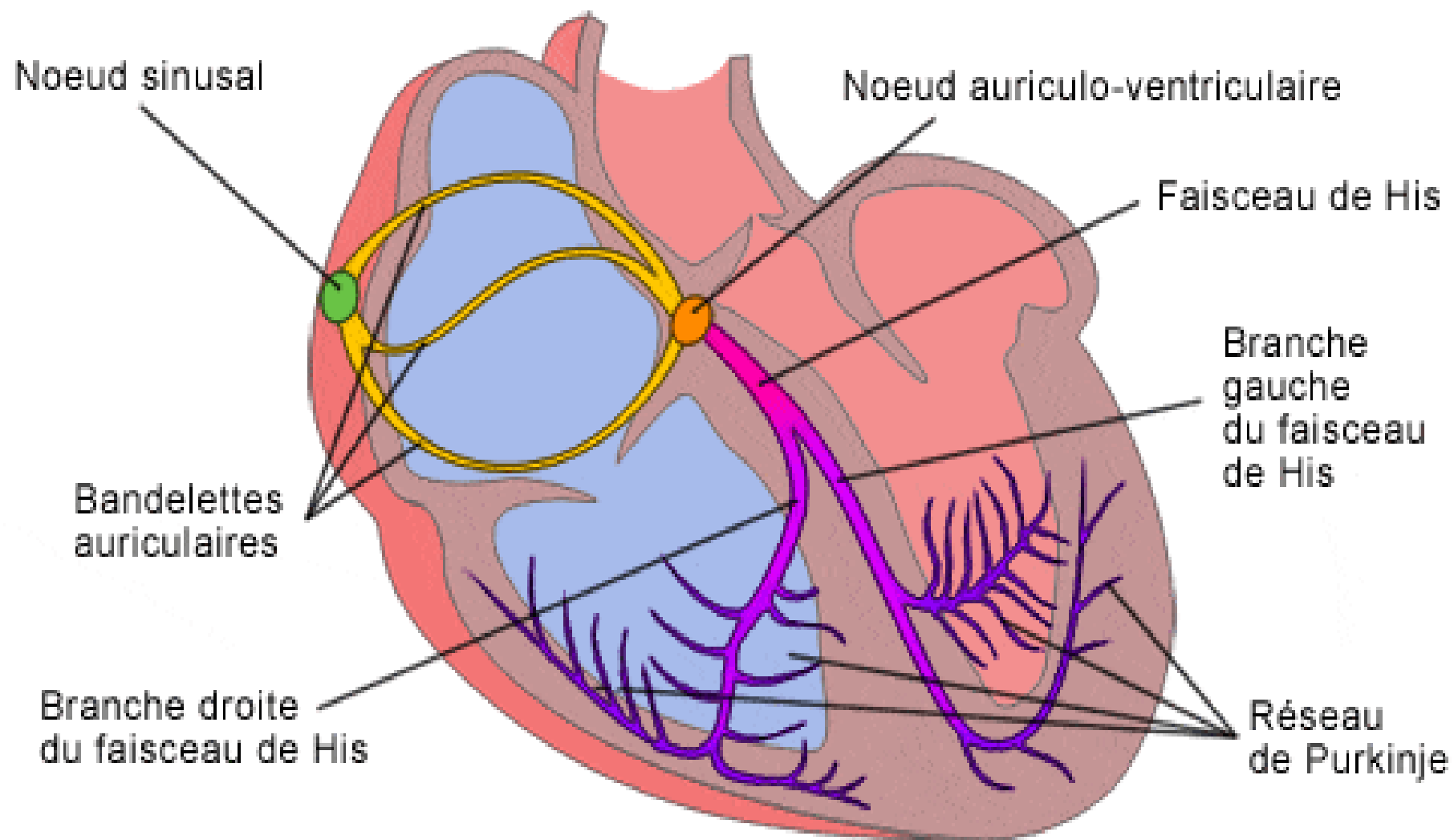


- Bradycardies
- Tachycardies
 - Supra-ventriculaires
 - **Ventriculaires (TSV + BdB)**
 - FV
- AESP / PM

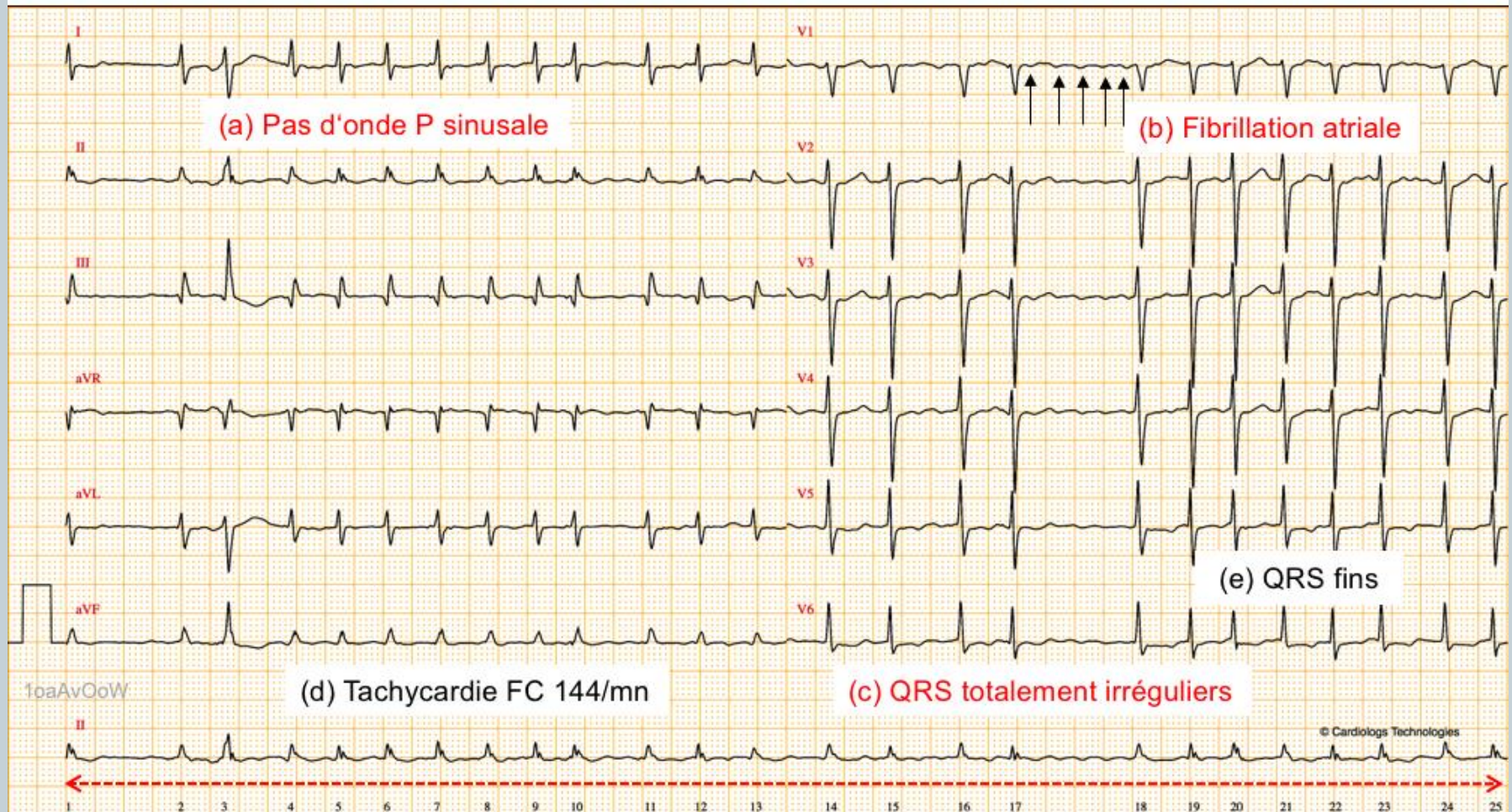
BAV du 3^{ème} degré

Échappement à QRS fins → bloc intranodal > bloc intrahissien





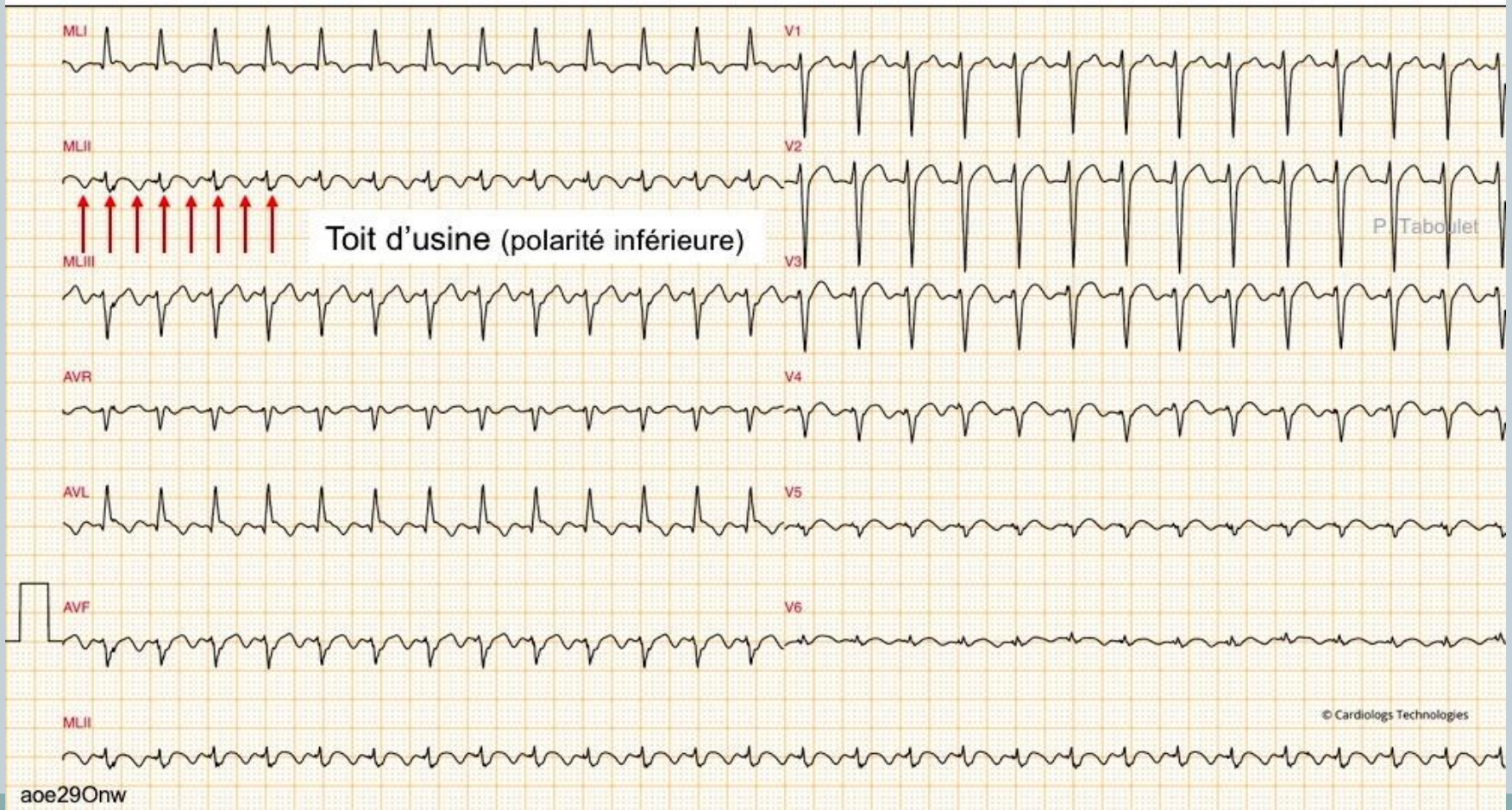
Fibrillation atriale



24 intervalles R-R en 10 sec → FC = 24 x 6 = 144/mn

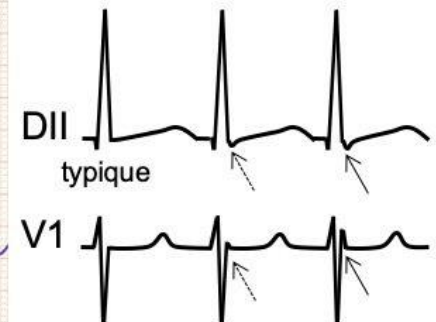
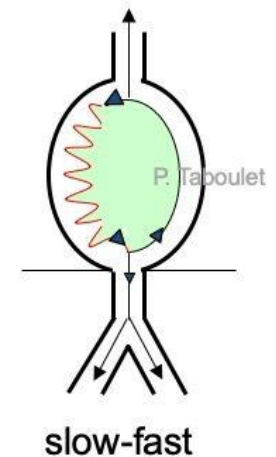
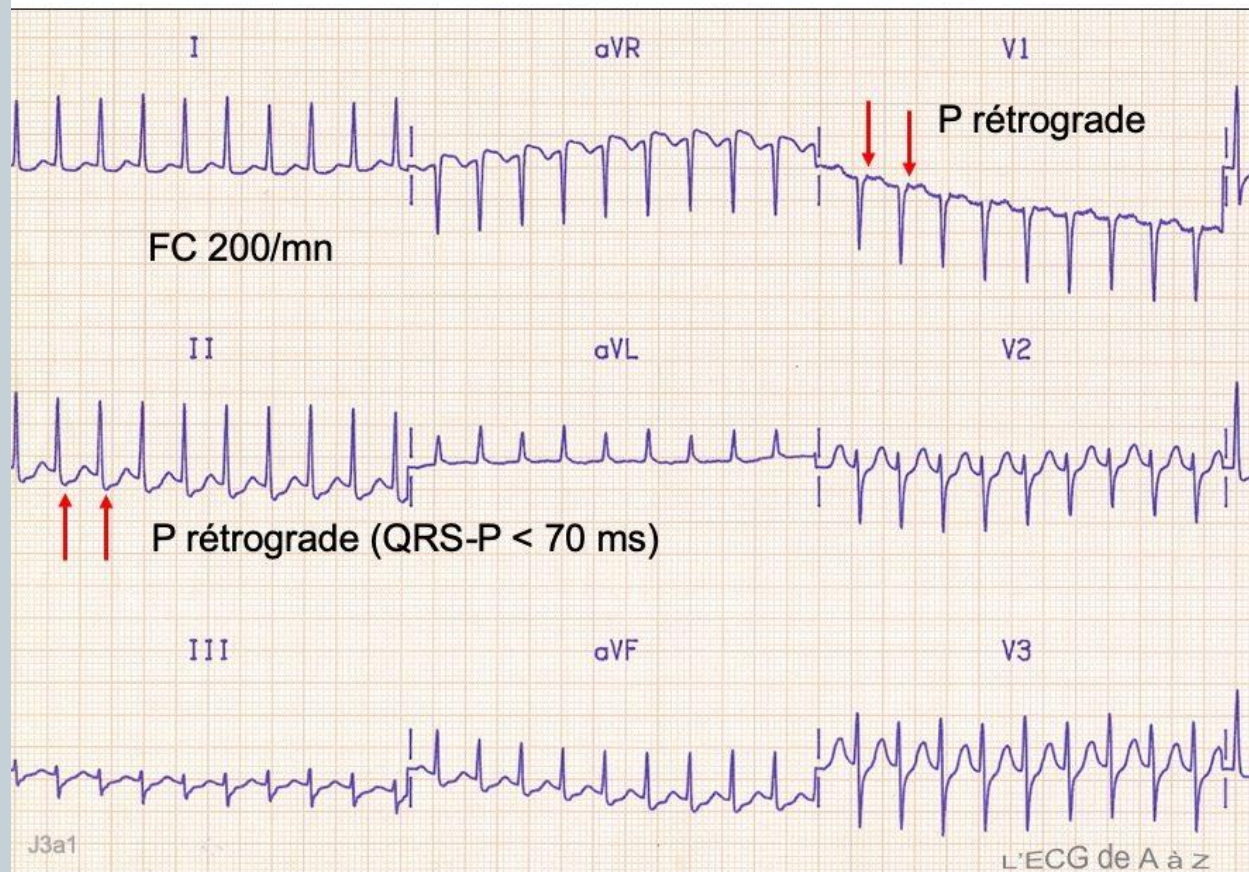
Flutter atrial commun

(conduction 2/1)



Tachycardie de Bouveret (TRIN)

Tachycardie régulière à complexes fins
avec conduction rétrograde 1/1 et QRS-P court = TRIN slow-fast



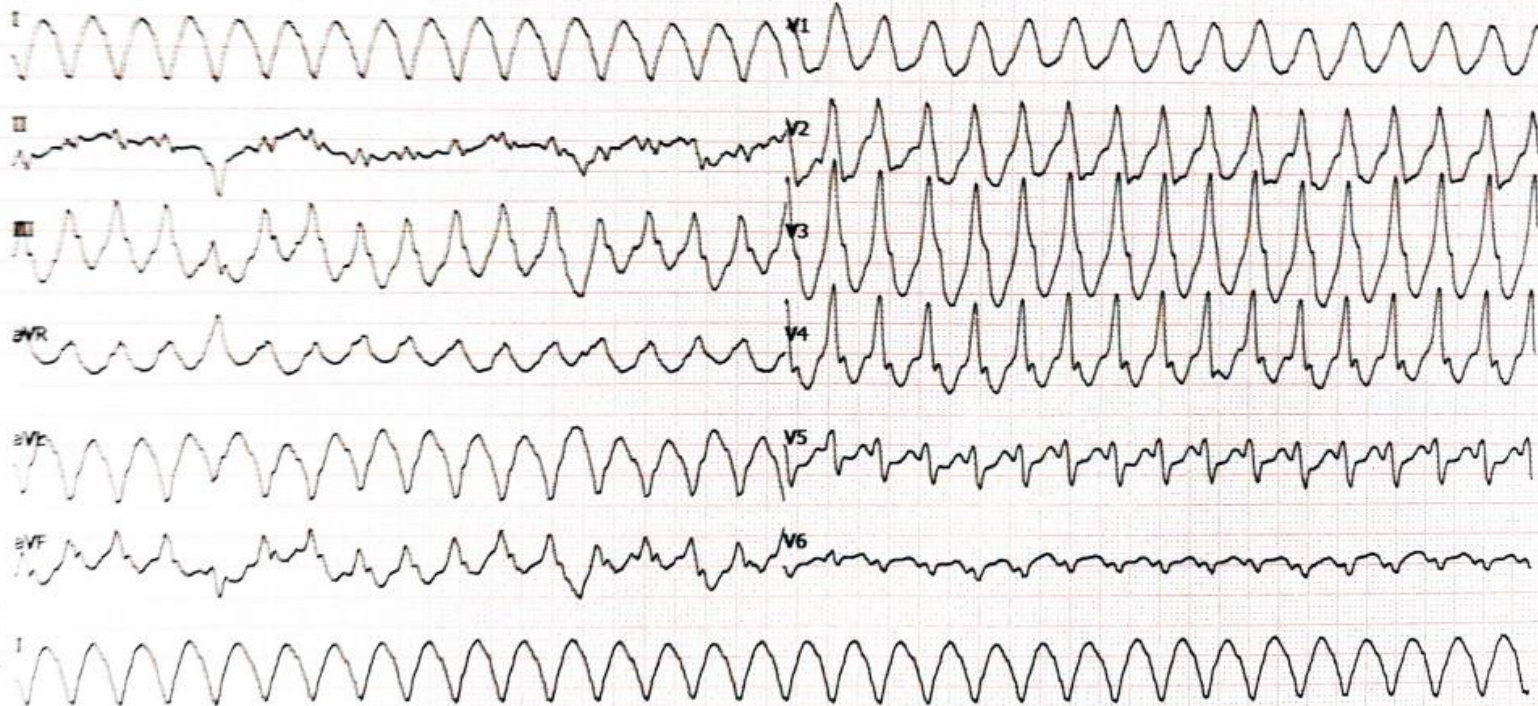
24.02.2021 19:32:13
CH Arcachon Urgences

Localité:
Numéro d'ordre:
Indication:
Médicament 1:
Médicament 2:
Médicament 3:

Chambre:

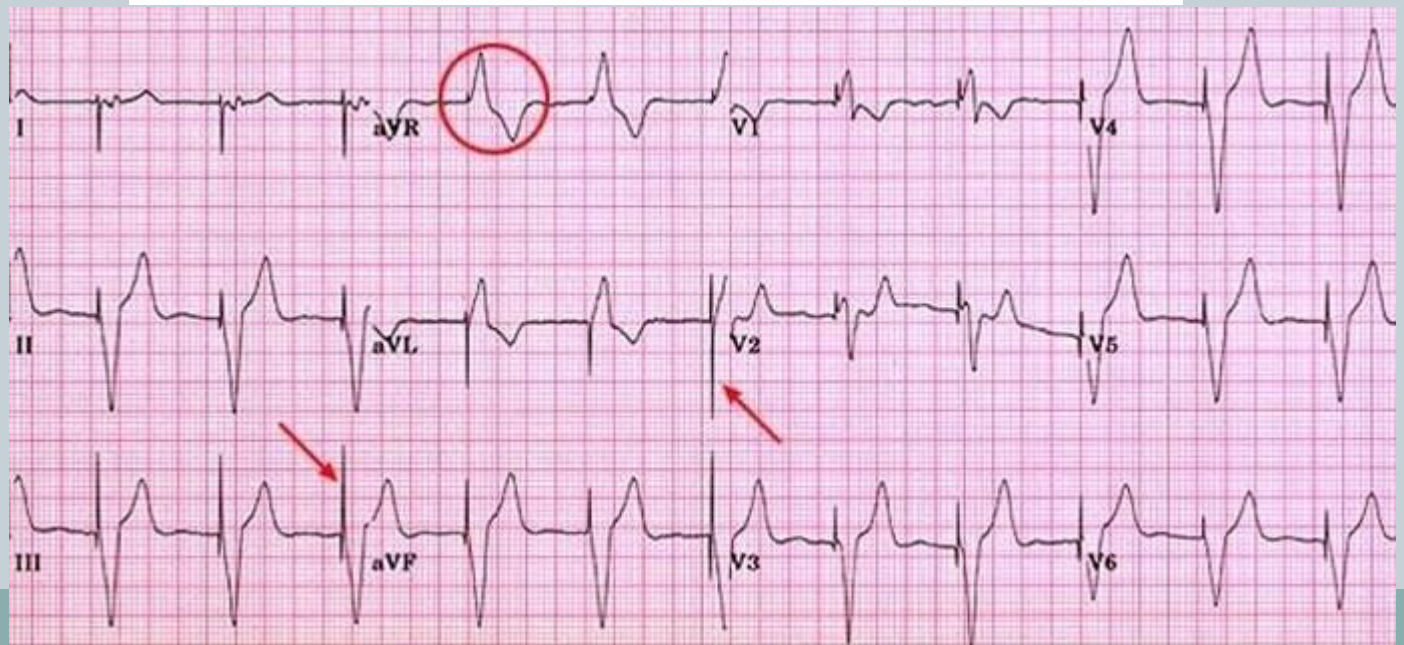
194 /min
-- / -- mmHg

Libre:
Med. requirant:
Med. relevant:
Med. signant:
QRS : 264 ms
QT / QTc Baz : 358 / 643 ms
PQ : - ms
P : - ms
RR/PP : 310 / 0 ms
P/QRS/T : - / 142 / 105 degrés



Anomalies ECG

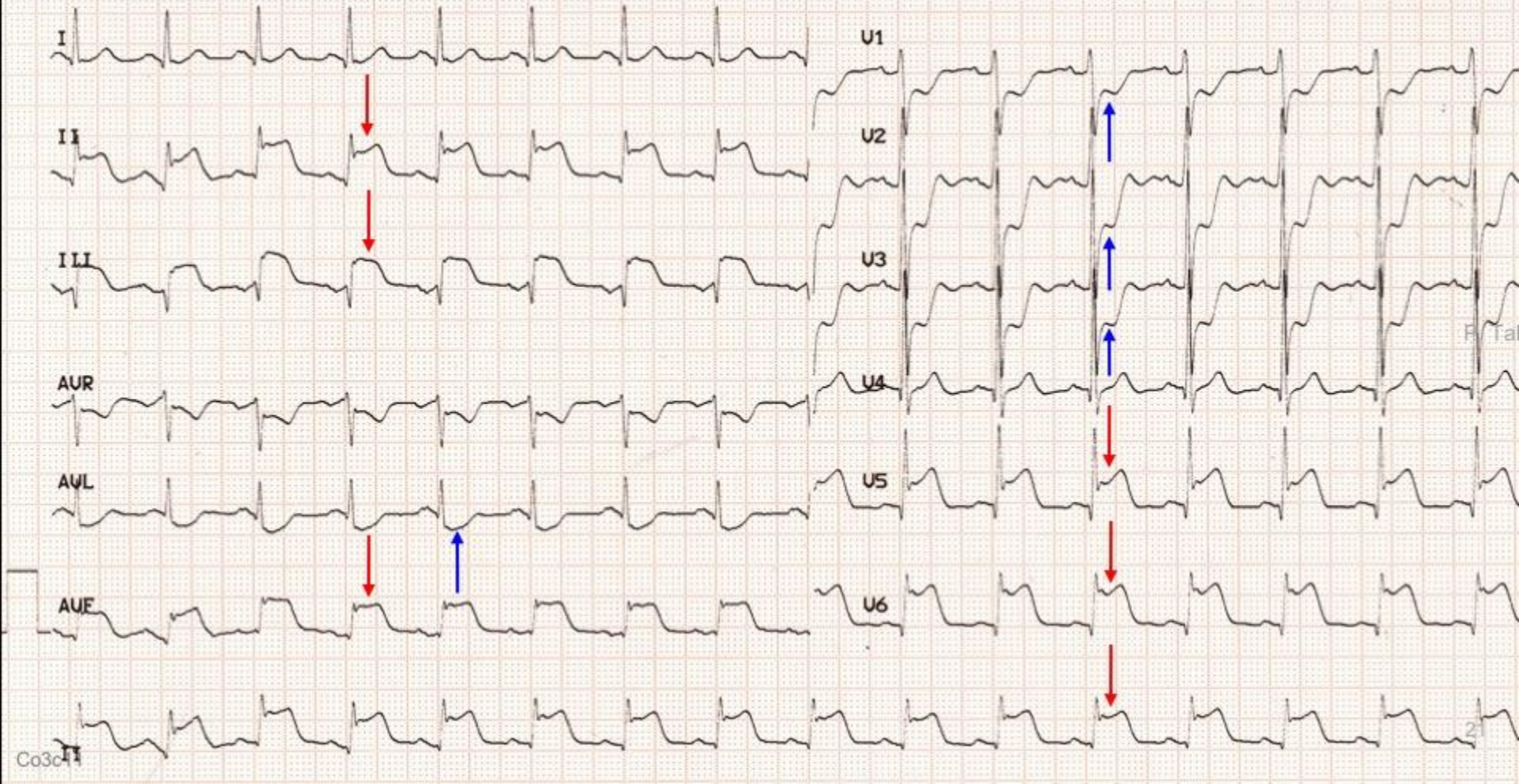
- Pacemaker et rythme électro entraîné
- Aimant

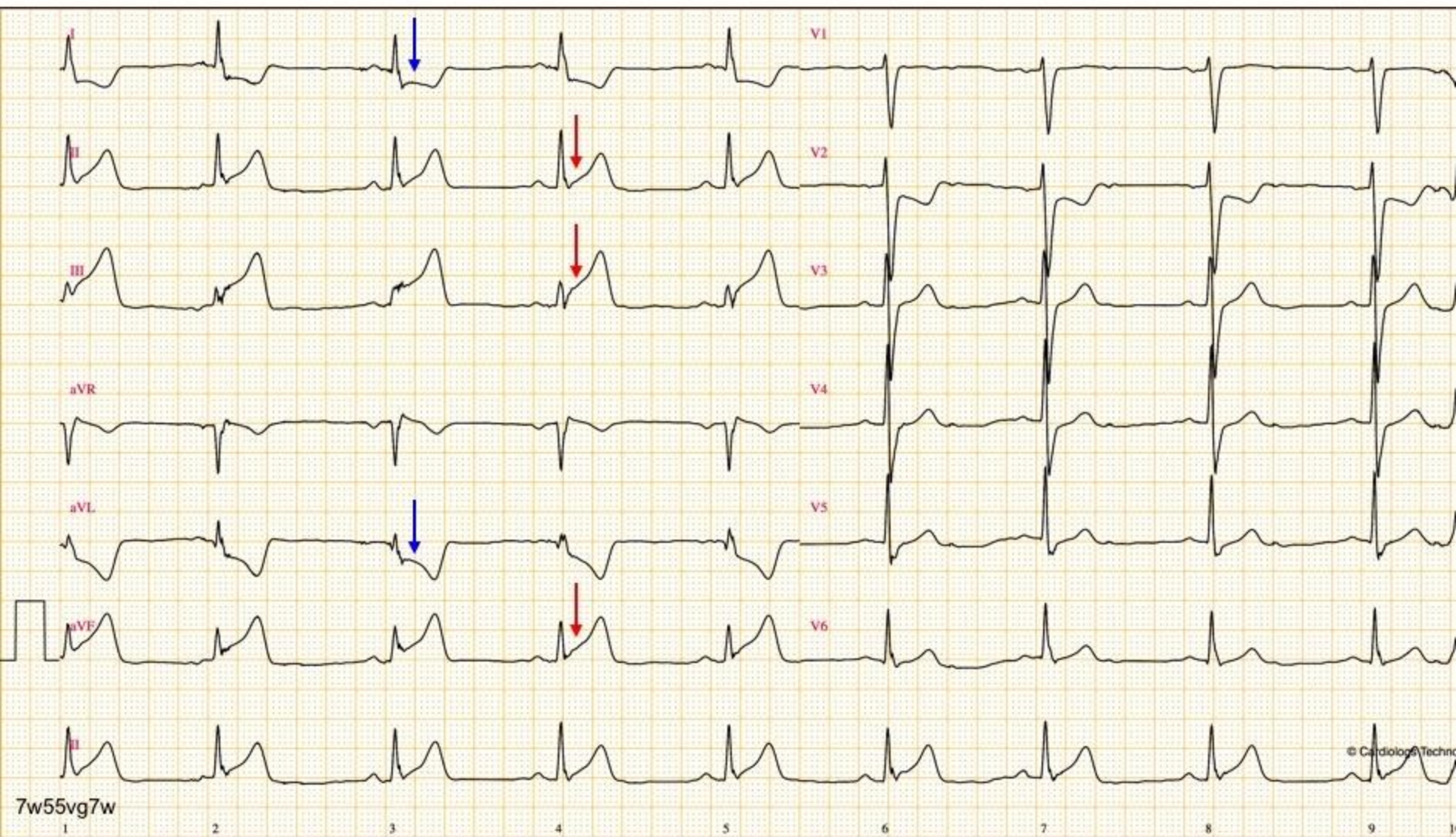


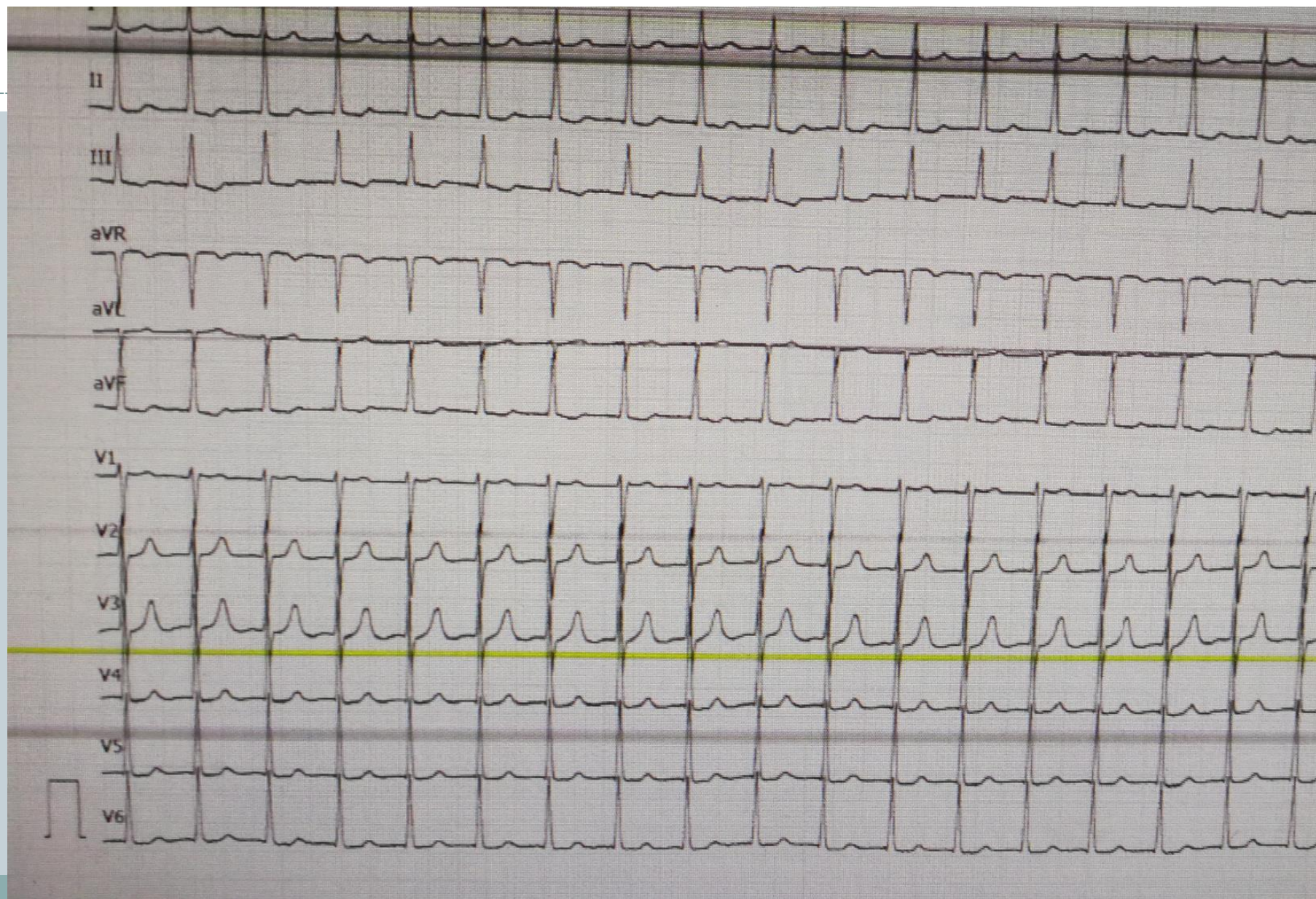


Lecture d'un ECG

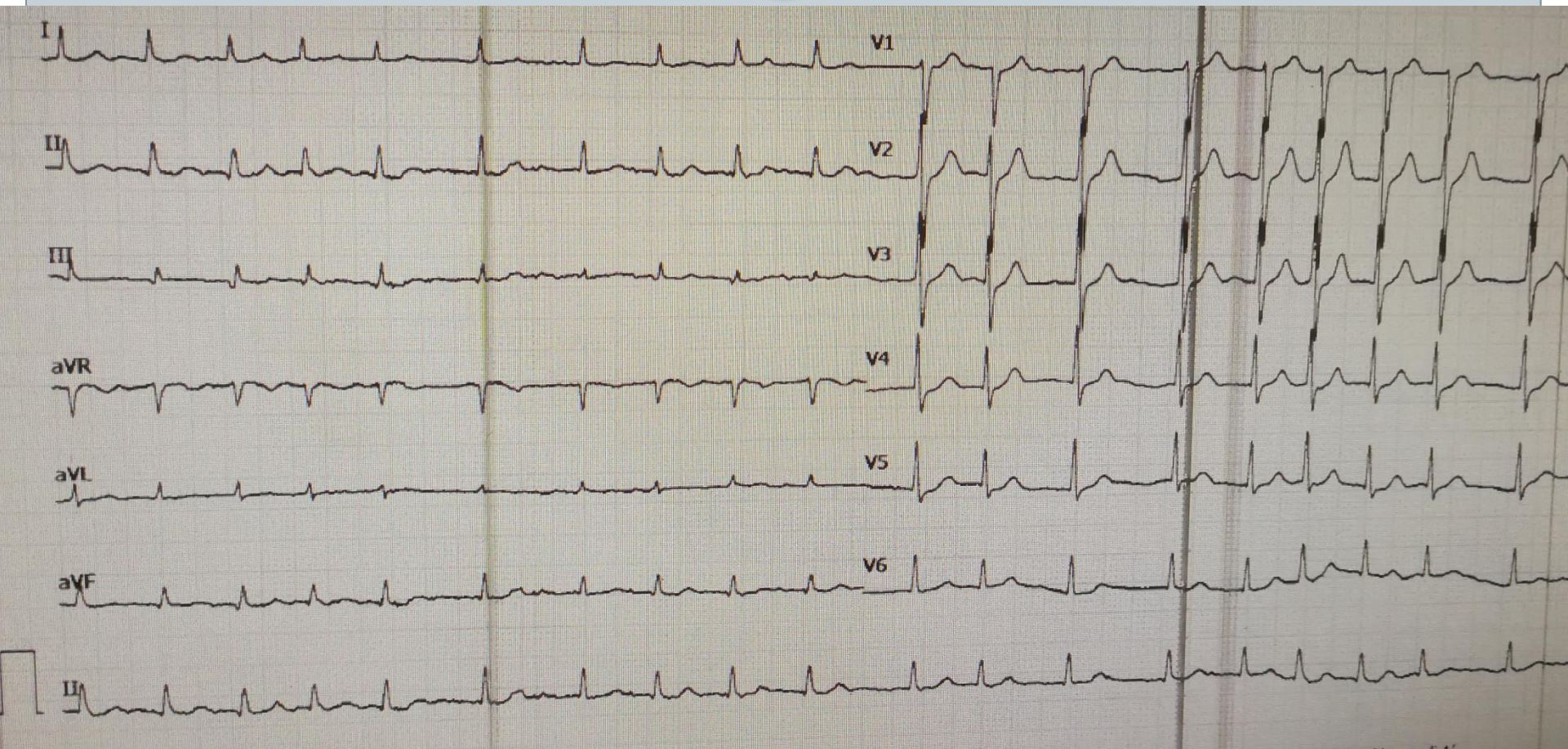
rapport non confirmé



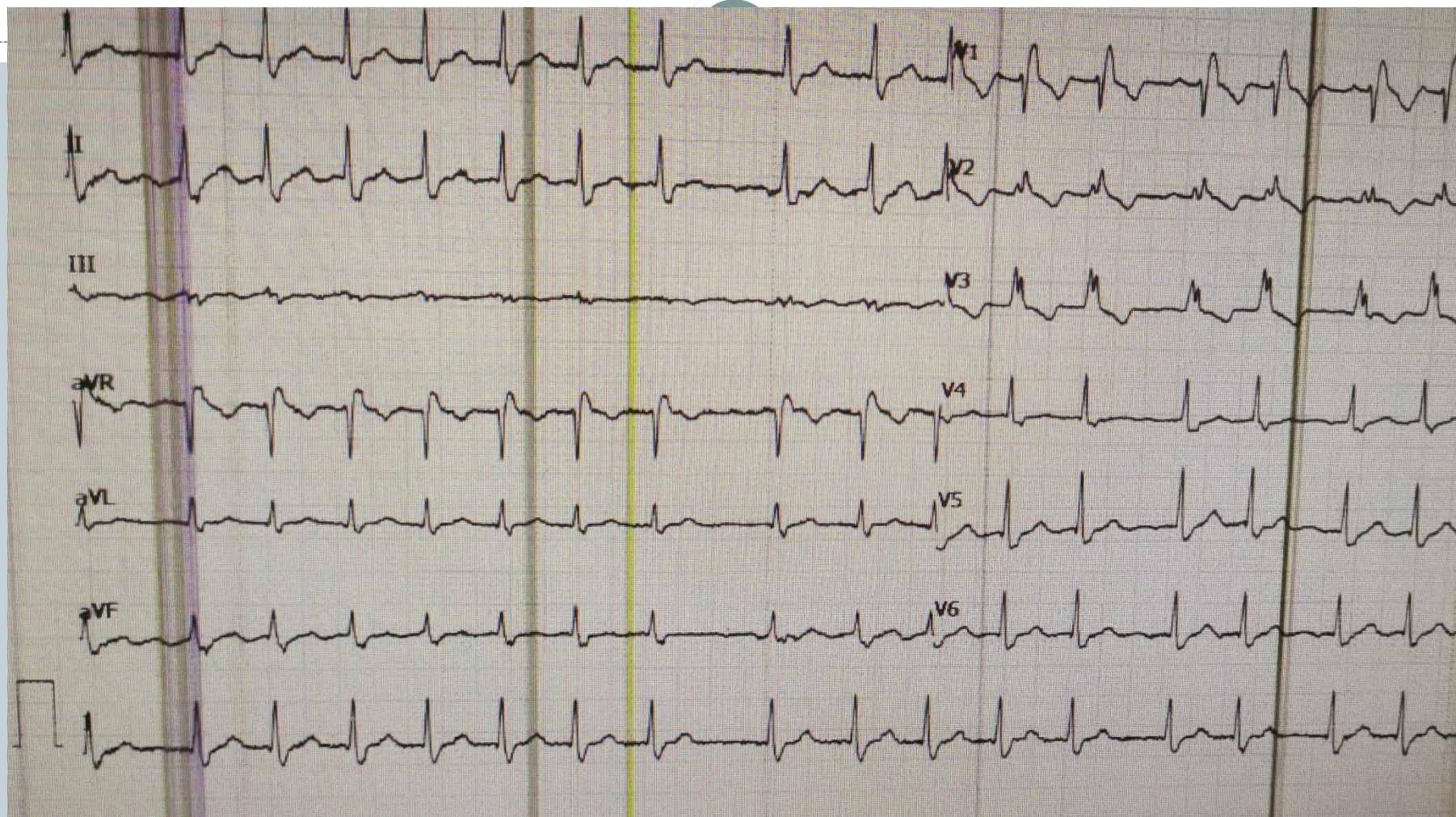


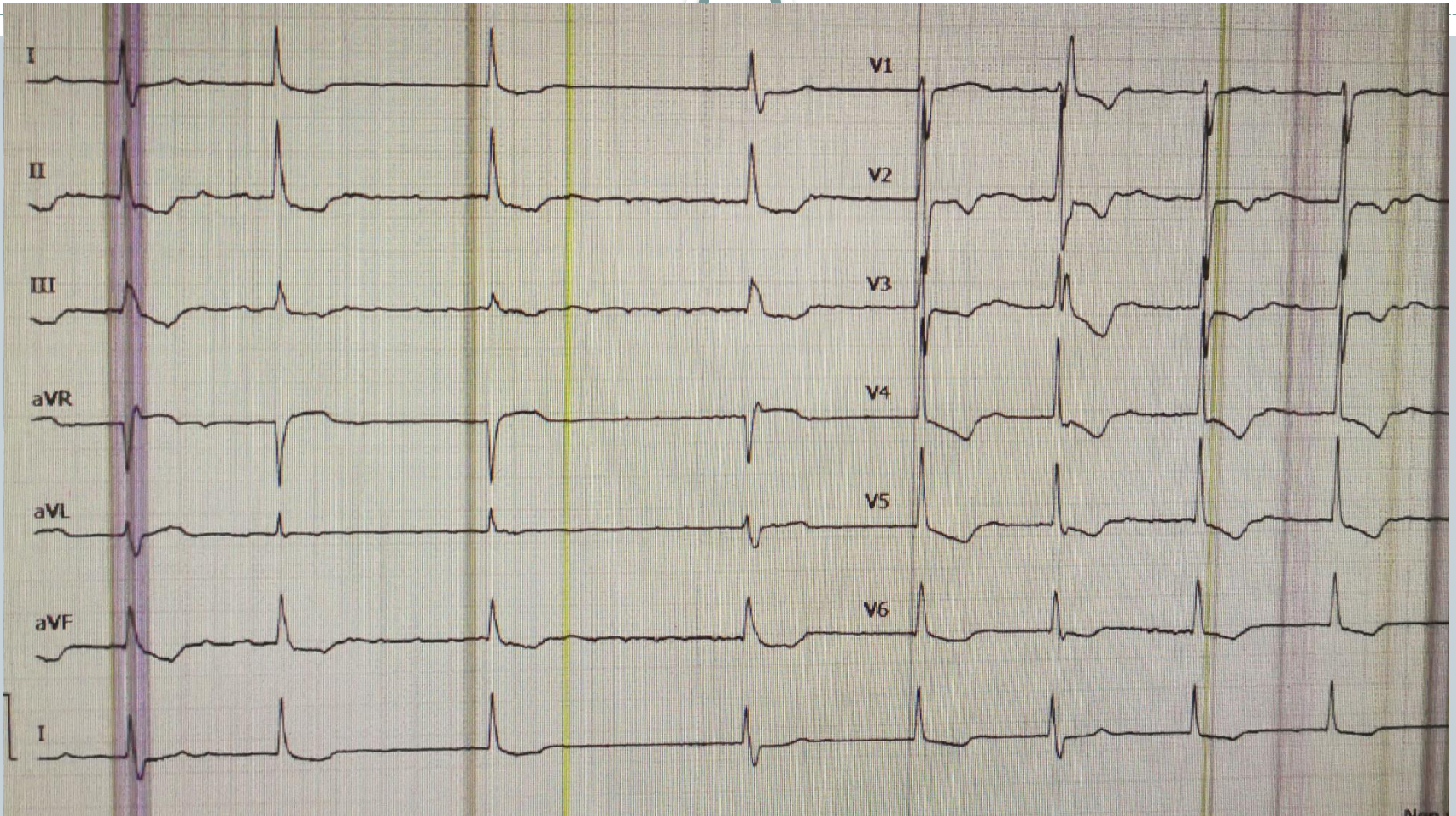






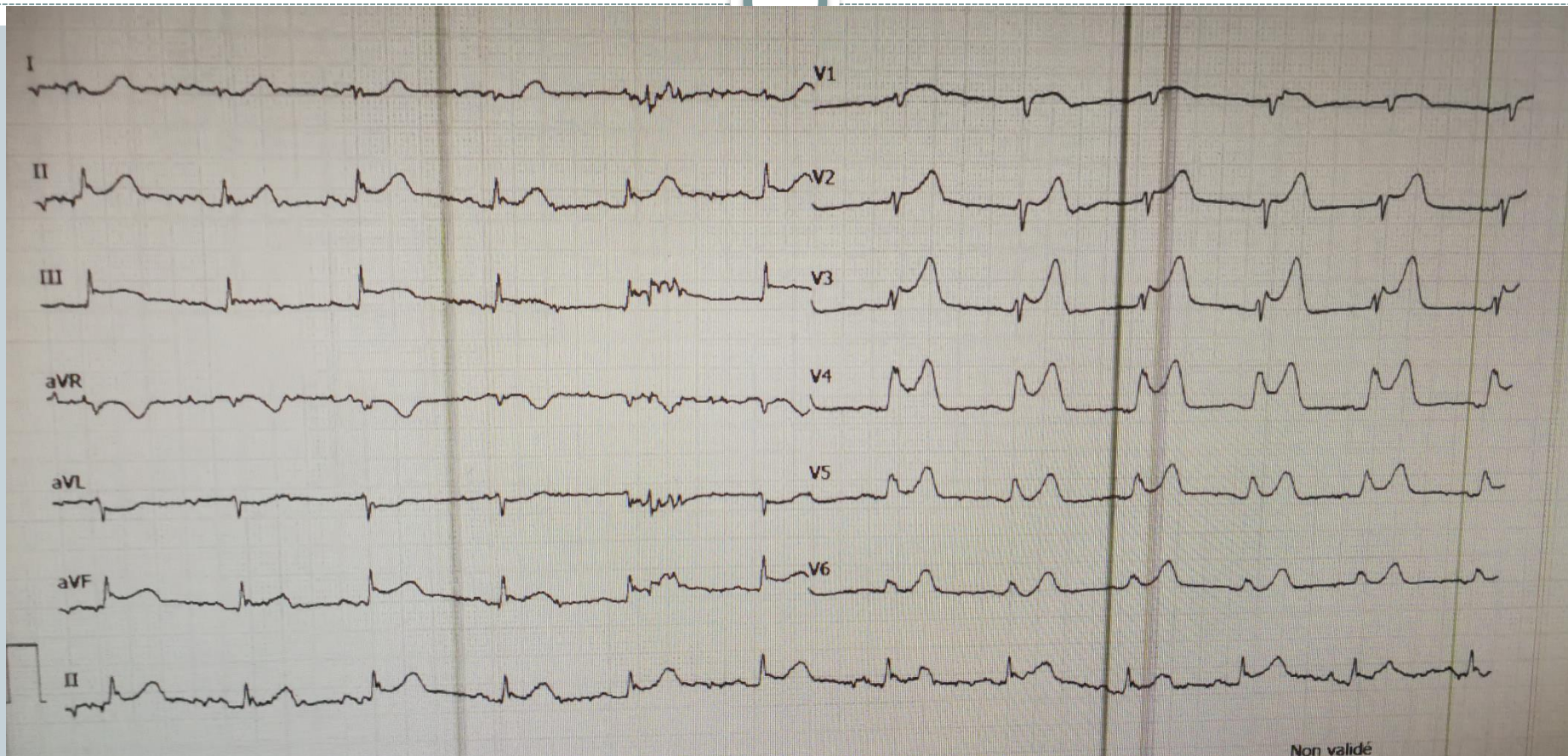






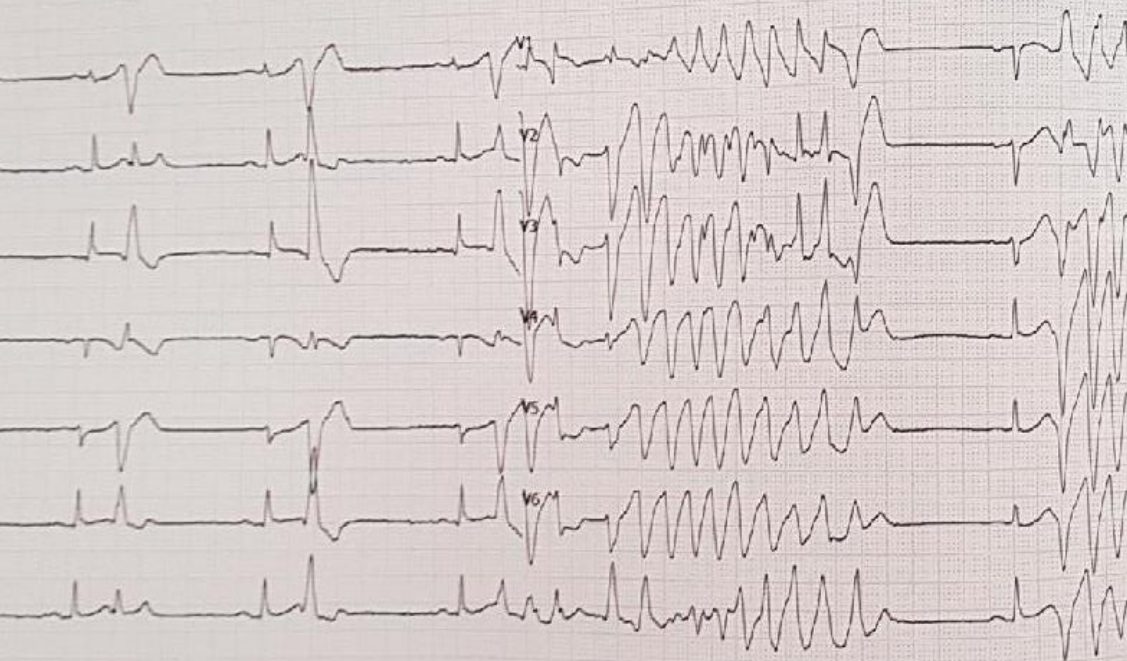








QRS : 84 ms
QT / QTcbez : 336 / 492 ms
PQ : 160 ms
P : 96 ms
RR/PP : 464 / 465 ms
P/QRS/T : 49 / 85 / 60 degrés

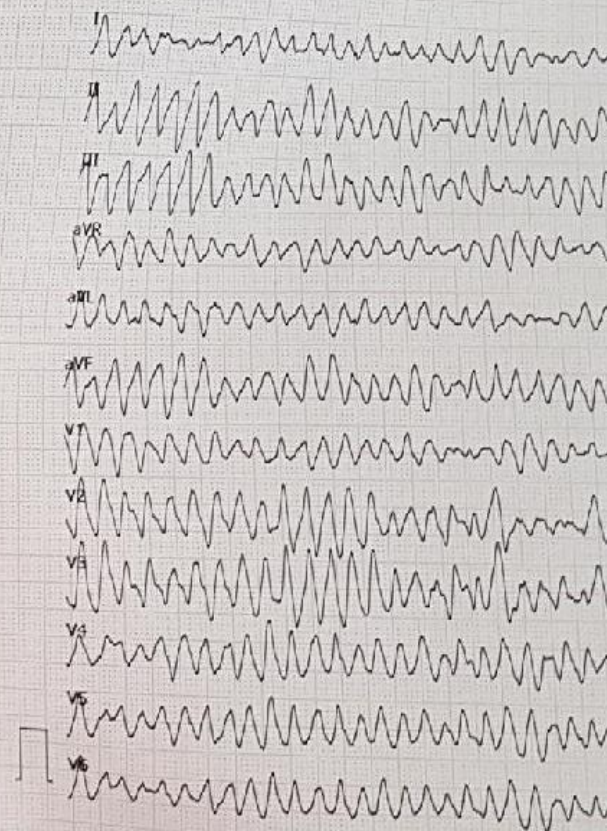


MAC1600 1.0.4 12SL™ v239

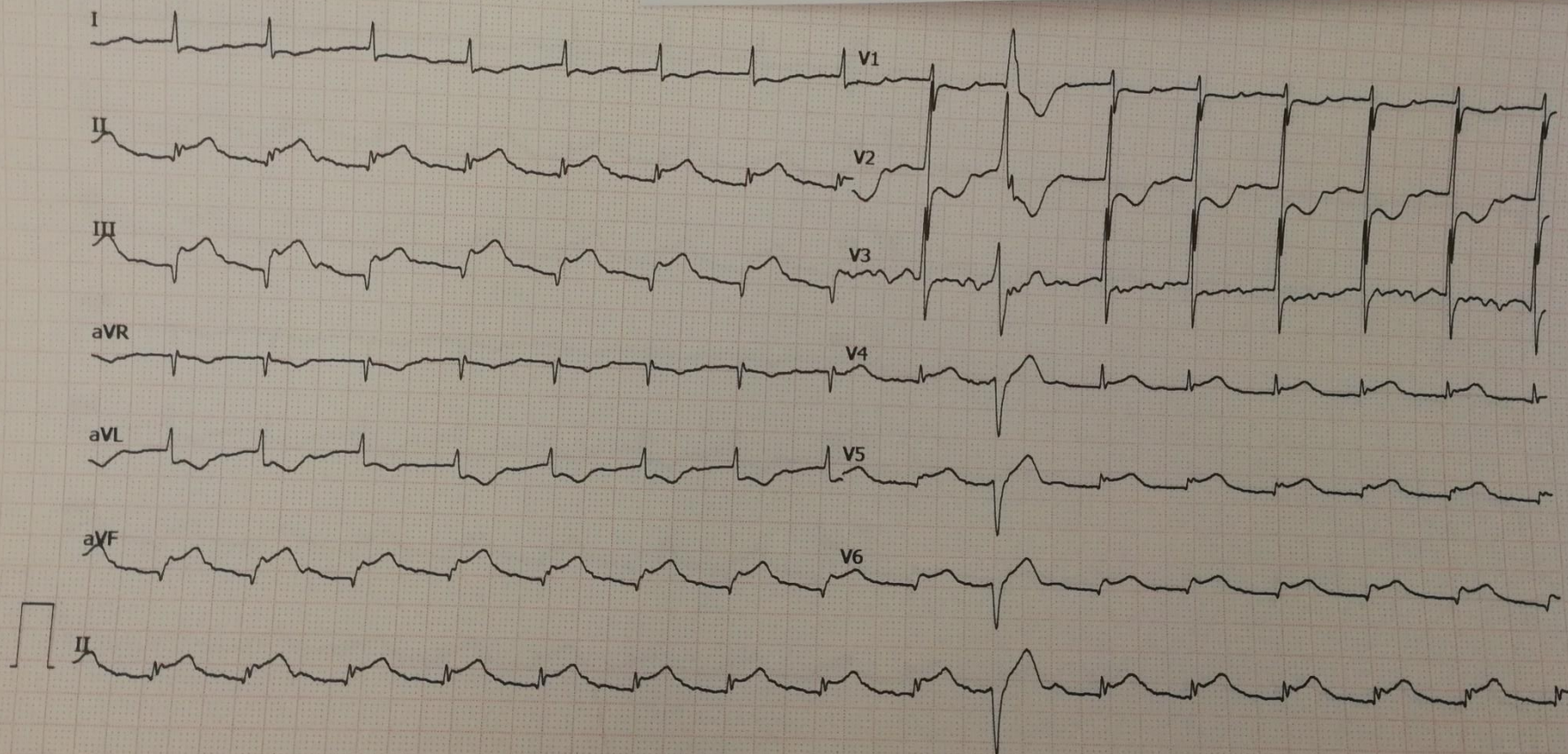
25 mm/s 10 mm/mV

0.16-40 Hz 50 Hz

Non valide
2x5x6_25_R1 1/1



GE MAC1600 1.0.4 12SL™ v239



GE MAC1600

1.0.4

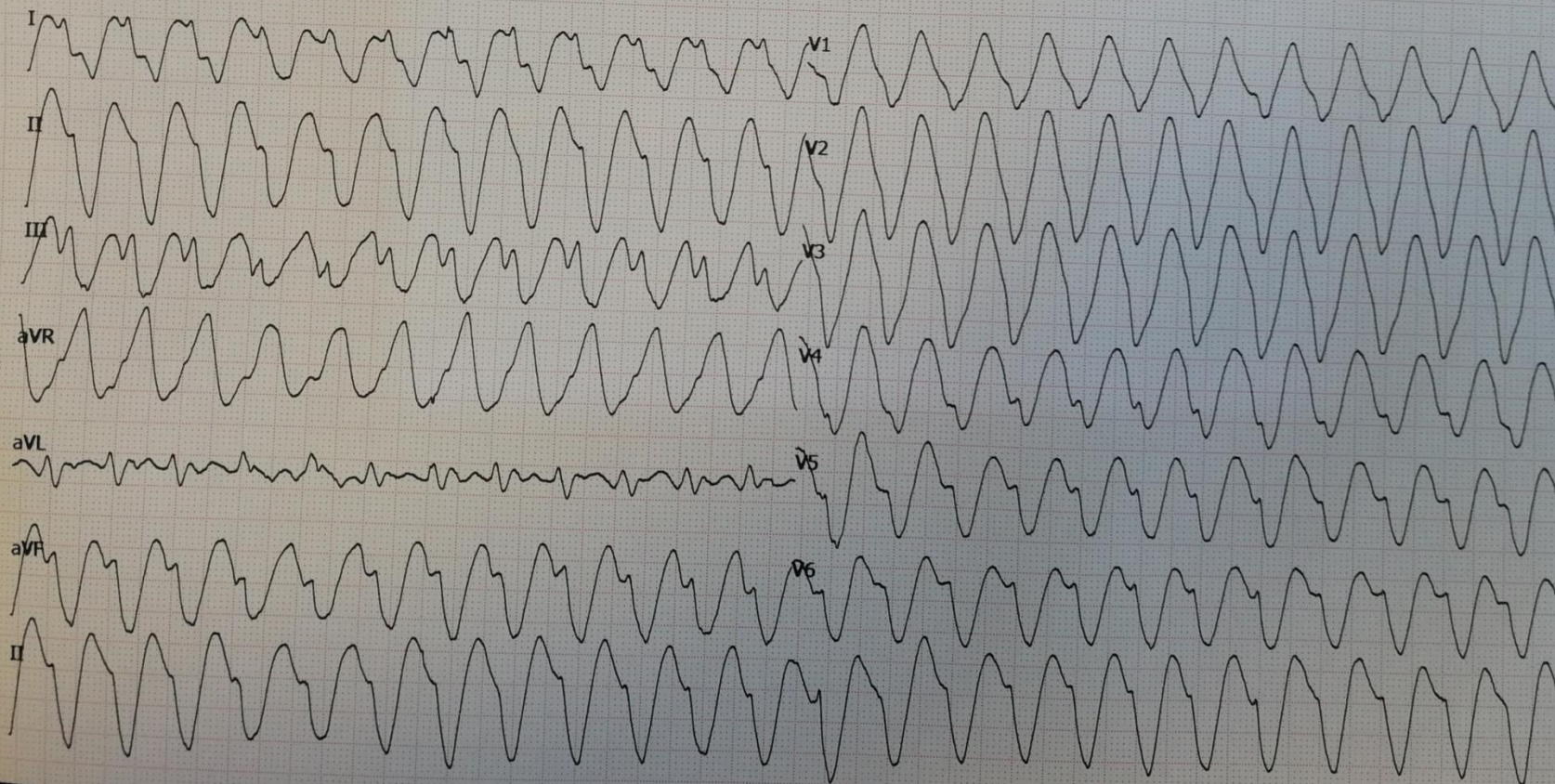
12SL™ v239

25 mm/s 10 mm/mV

0.16-40 Hz 50 Hz

Non valide
2x5x6_25_R1

1/1



GE MAC1600

1.0.4

12SL™ v239

25 mm/s 10 mm/mV

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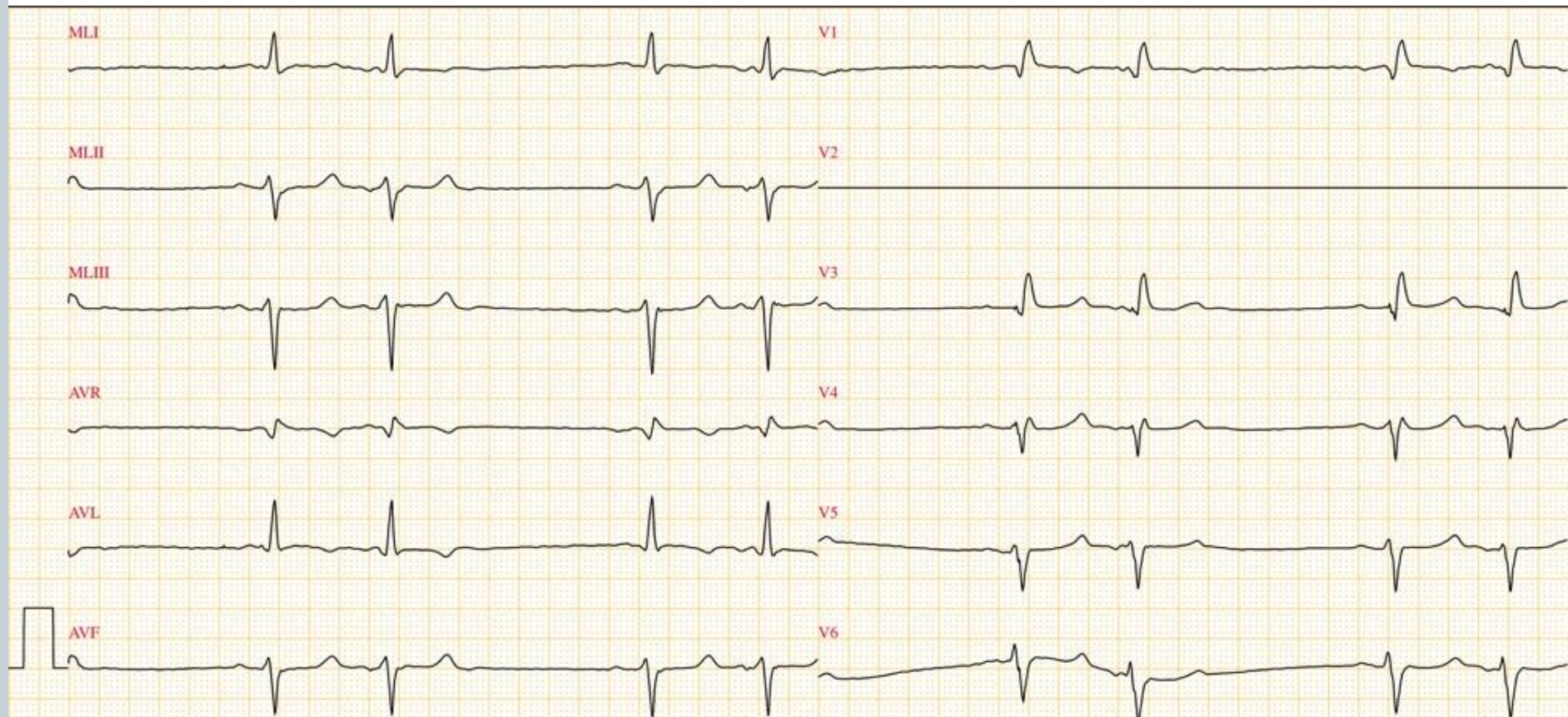
Non validé

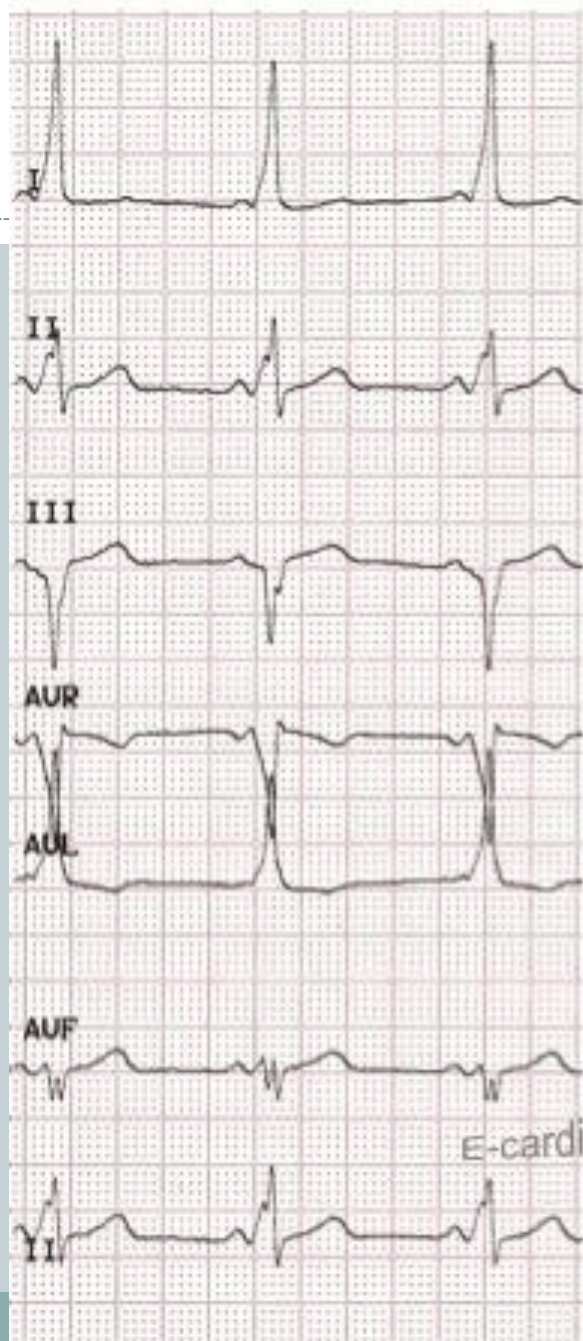
2x5x6 25 R1

1/1



Repos - FC 33/mn





E-cardiogram.com

25 mm/s

0.05-35Hz

