



ECG Quiz 1

Name: -

ID: -

13-NOV-2002 12:56 A AND E DEPT., ROYAL PRESTON HOSPITAL

(2)

250/s

Med:

120/s

Age:

Sex:

Race:

400

Sex:

Race:

Pgs 0079

Loc:

Race:

v006

Heart rate 65 BPM

PR interval 120 ms

QRS duration 76 ms

Cart: 1

QT/QTc 368/380 ms

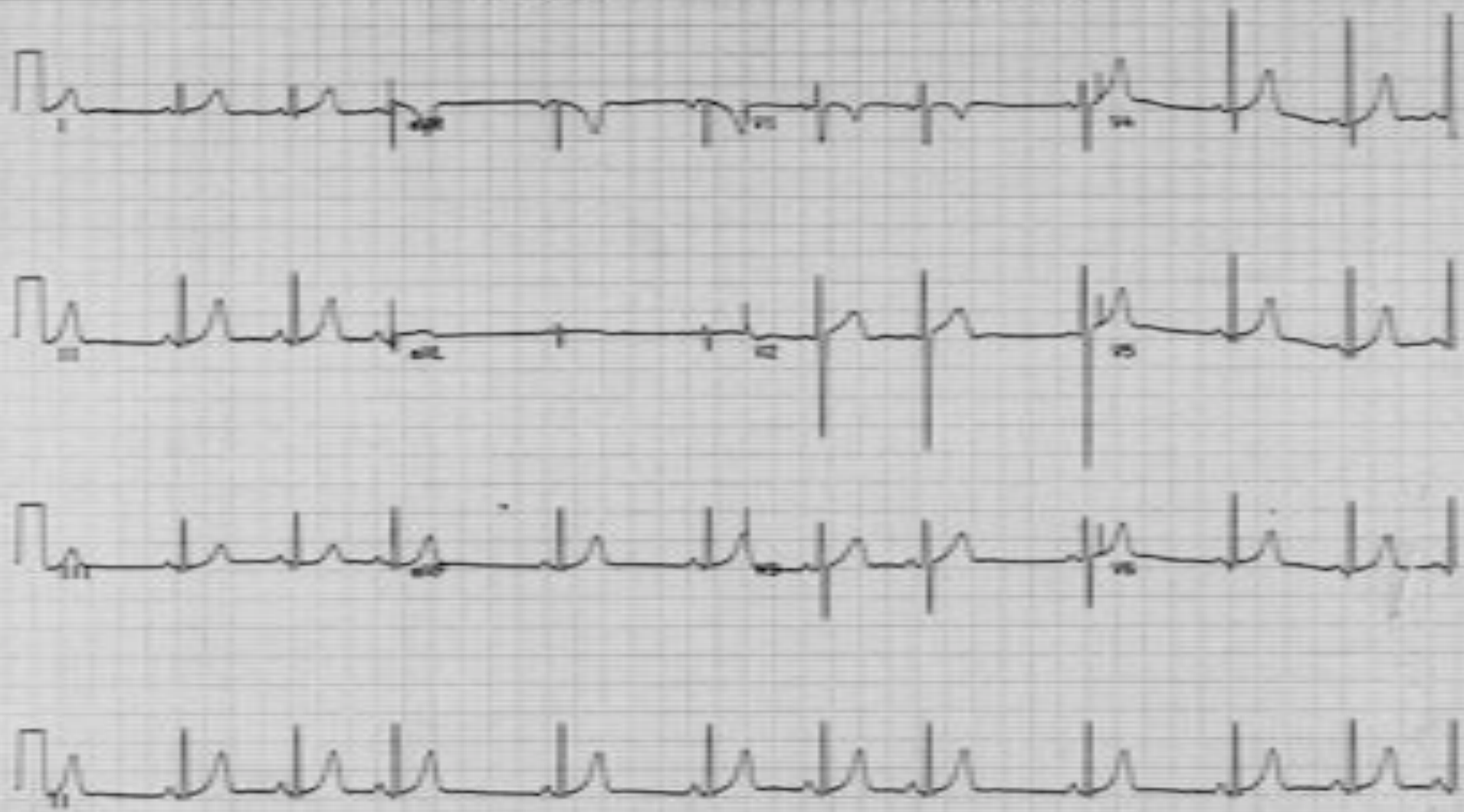
Tech: 1

P-R-T axes 55 70 54

Referred by:

Unconfirmed

1. What is this rhythm ?
2. What is the cause ?



2500's
1000's
400's
Pgs 000A
400's

Med:
Age:
Sex:
Lac:
Hct:
Race:
Room:

Rest. rate 66 BPM
PR interval 144 ms
QRS duration 76 ms
QT/QTc 412/428 ms
P-R-T axes 270 -17 33

Dist: 1
Tech: 1

Referred by:

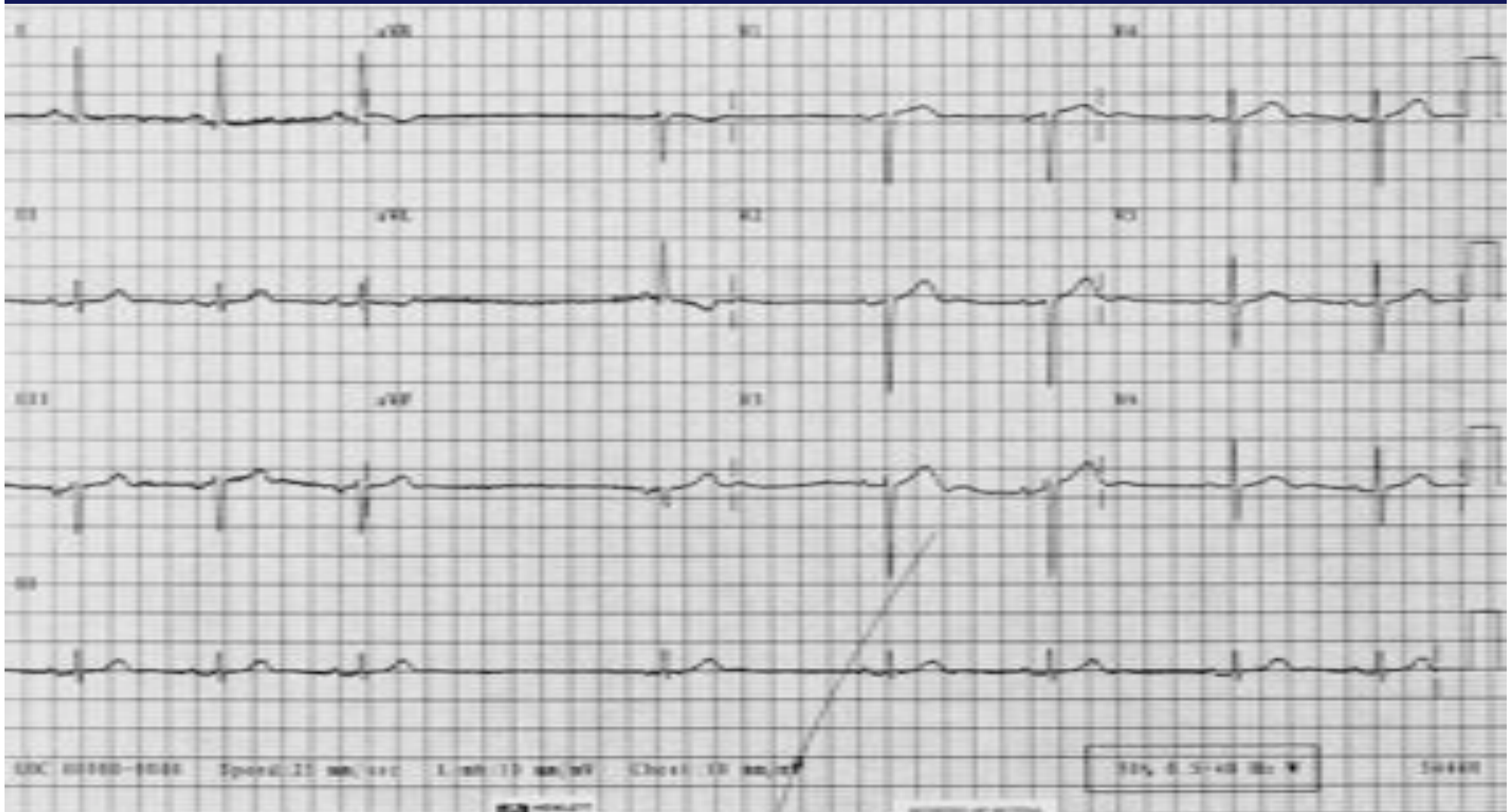
Discontinued

not awake

1. What is this rhythm ?
2. Does it require treatment ?



1. What is this rhythm ?
2. What is the likely cause ?
3. What treatment does this patient need ?



1. What is the cause of this rhythm ?
2. What treatment may be needed for this rhythm ?



256/s
 1000/60
 40Hz
 Pgs: 0078
 1206

Red:
 Age:
 Sex:
 Loc:
 Hx:
 Race:
 Room:
 Ventr. rate 88 BPM
 PR interval 116 ms
 QRS duration 116 ms
 QT/QTc 420/504 ms
 P-R-T axis 31 -23 105

Cals: 1
 Tech: 1

1. How might this patient present to A&E ?
2. What is the pathological cause of this condition and how is it classified ?



25mm/s
10mm/mV
40Hz
Pgm 0079
v206

Med:
Age:
Sex:
Loc:
Ht:
Race:
Room:

Vent. rate 51 BPH
PR interval * ns
QRS duration 212 ns
QT/QTc 672/616 ns
P-R-T axes * -69 85

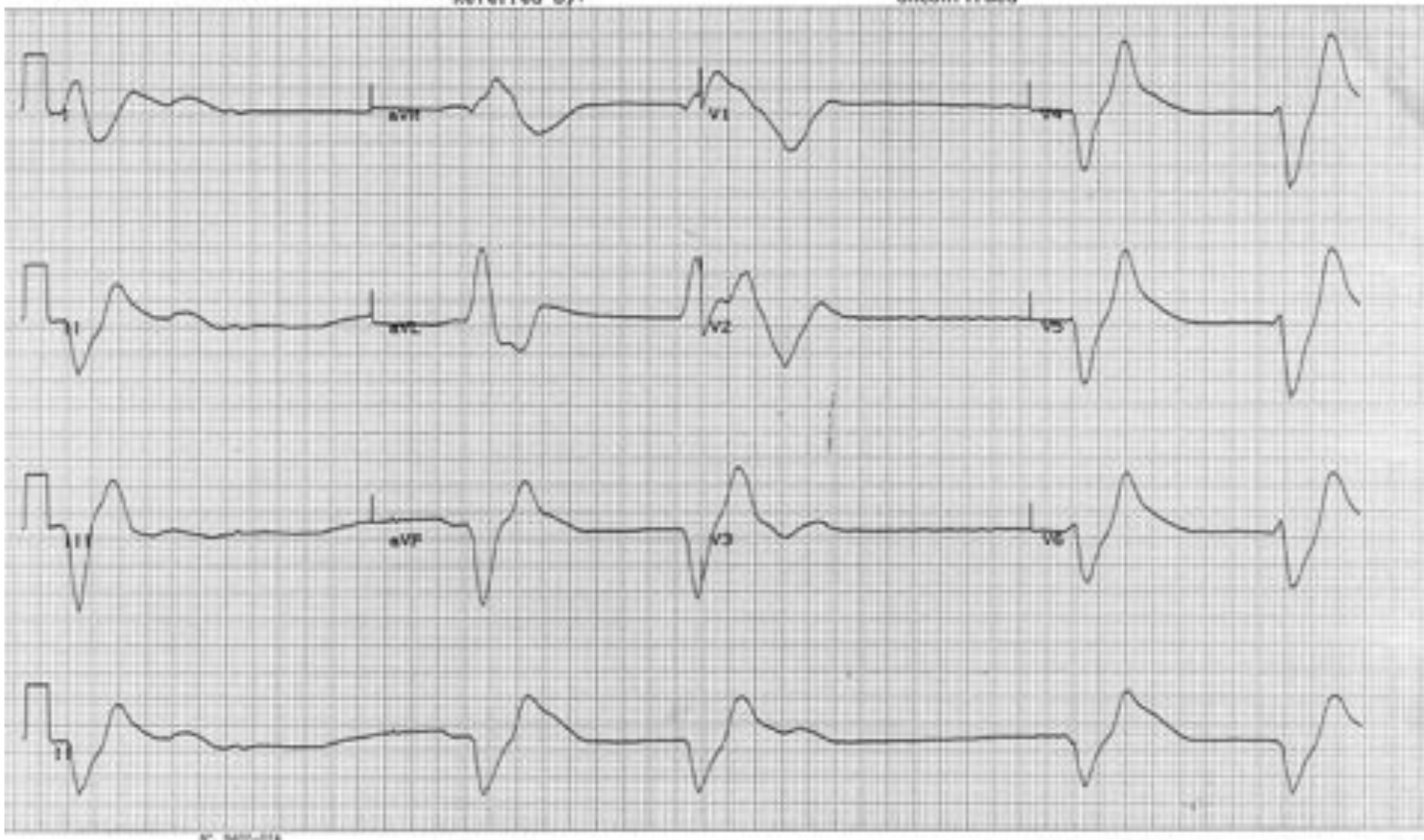
Cart: 1
Tech: 1

Referred by:

Unconfirmed

13 3+

1. What abnormalities can be seen on this ECG ?
2. What is the likely cause ?
3. What is the initial management ?



Measurement Results:

QRS : 152 ms
 QT/QTcB : 356 / 490 ms
 PR : ms
 P : ms
 RR/PP : 528 / 560 ms
 HV/QTc/T : / 75 / -8 degrees



1. What is this rhythm ?
2. In what circumstance is this rhythm usually seen ?
3. What treatment is normally required?

(4)
 114

Unconfirmed report.



Date: 10/26/11
 Age: 40y
 Sex: M
 Race: W
 Ref: 0079
 Loc: Room: 1006
 Ventr. rate: 125 BPM
 PR interval: 160 ms
 QRS duration: 88 ms
 QT/QTc: 304/425 ms
 P-R-T axes: 13 -9

1. What is this rhythm ?
2. What treatment may be required ?



Measurement Results :
QRS : 88 ms
QT/QTc : 436 / 428 ms
PR : 120 ms
P : ms
RR/PP : 1024 / 1030 ms
P/QRS/T : 264° 88° 57°

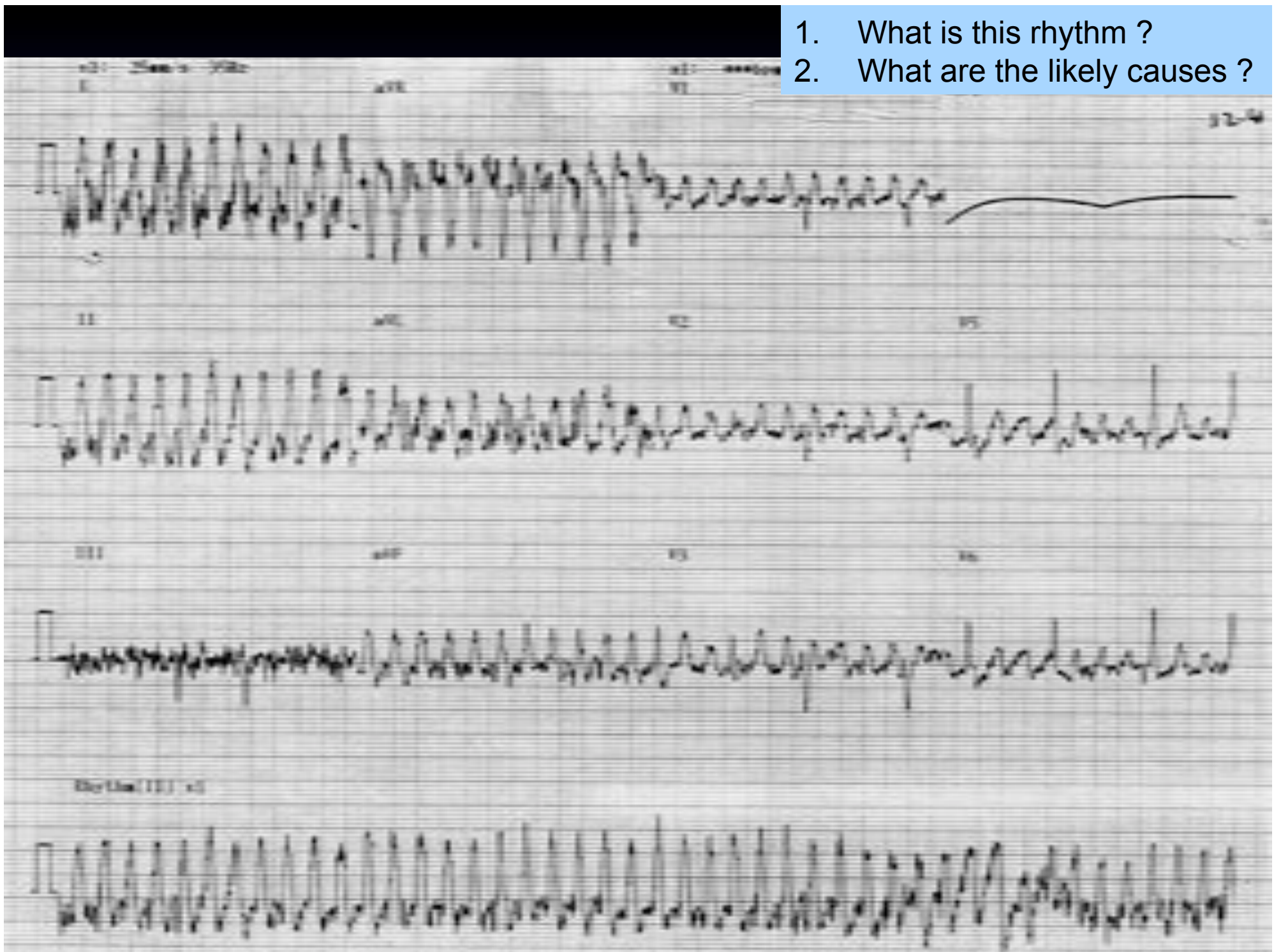


1. What is this rhythm ?
2. What treatment is required ?

Unconfirmed report



1. What is this rhythm ?
2. What are the likely causes ?



HR 98 bpm

Measurement Results:

| | | |
|-------|---|---------------------|
| P | : | 106 ms |
| QTcB | : | 346 / 441 ms |
| QT | : | 148 ms |
| QTp | : | 102 ms |
| QTp | : | 600 / 610 ms |
| QRS/T | : | 56° / 138° / 24 deg |



1. What abnormalities are seen on this ECG ?
2. List possible causes for these changes ?

Unconfirmed report.



Current Results:

ECG : 432 / 436 mm
 152 mm
 122 mm
 1004 / 1006 mm
 587 / 777 24 deg



1. What abnormalities can be seen ?
2. What is the initial management of this patient with central chest pain ?

Unconfirmed report.



Name:

19-NOV-2002 09:18 A AND E DEPT. - ROYAL PRESTON HOSPITAL

2500/s

Med:

Sex/M

Age:

Wt:

Ht:

40kg

Sex:

Race:

Pgs 0079

Loc:

Race:

1006

Verbal rate 172 BPM

PR interval 8 ms

QRS duration 52 ms

Cars: 1

QT/QTc 294/479 ms

Tech: 1

P-R-T axes 40 6

Referred by:

Unconfirmed

1. What is this rhythm ?
2. What is the cause of the change in morphology of the QRS complex seen on the rhythm strip ?



Measurement Results:

QRS : 120 ms
QT/QTc : 370 / 464 ms
PR : ms
P : ms
RR/PP : 1628 / 520 ms
P/QRS/T : 78 / -18 / 90 deg



1. This patient has cardiac chest pain - what is the diagnosis ?
2. What treatment is required ?

Unconfirmed report.



25815
100000
4000
Pgs 0078
1006

Ref: Unknown
Syst: 50mm Hg
Sex: M
Loc: 1000
Race: Caus
Room: 102

Vent. rate 62 BPM
PR interval 162 ms
QRS duration 96 ms
QT/QTc 384/390 ms
P-R-T axes 60 76 40

Date: 1
Tech: 1

Referred by:

Discharged:



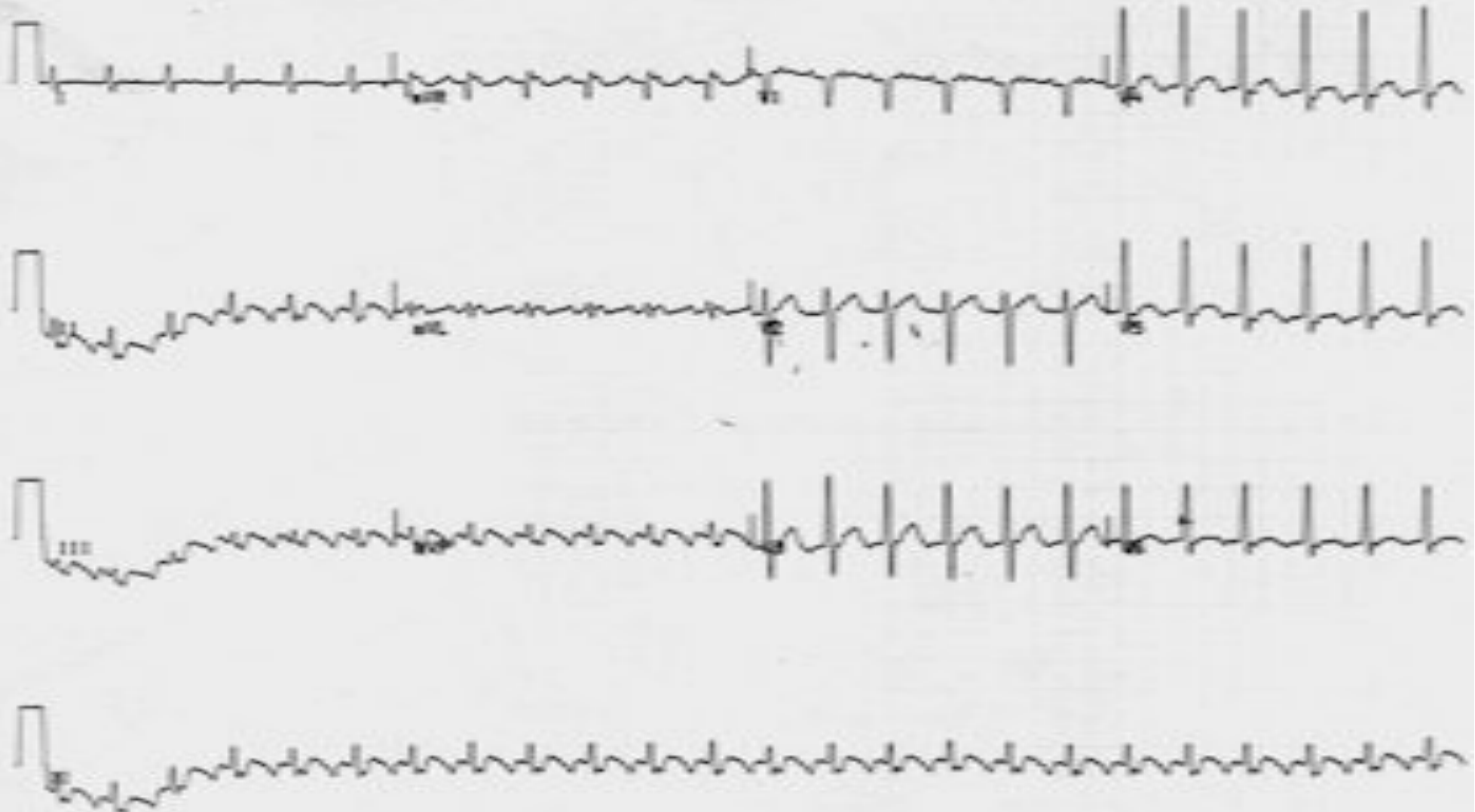
1. What are the causes of ST segment elevation on an ECG ?
2. What is the most likely cause in this well, young man ?

Date: 10/20/01
 Age: 40
 Sex: M
 Race: W
 Room: 1078
 v006
 Ref: 148
 PR interval: 80 ms
 QRS duration: 80 ms
 QT/QTc: 372/426 ms
 P-R-T axes: 258 50 79

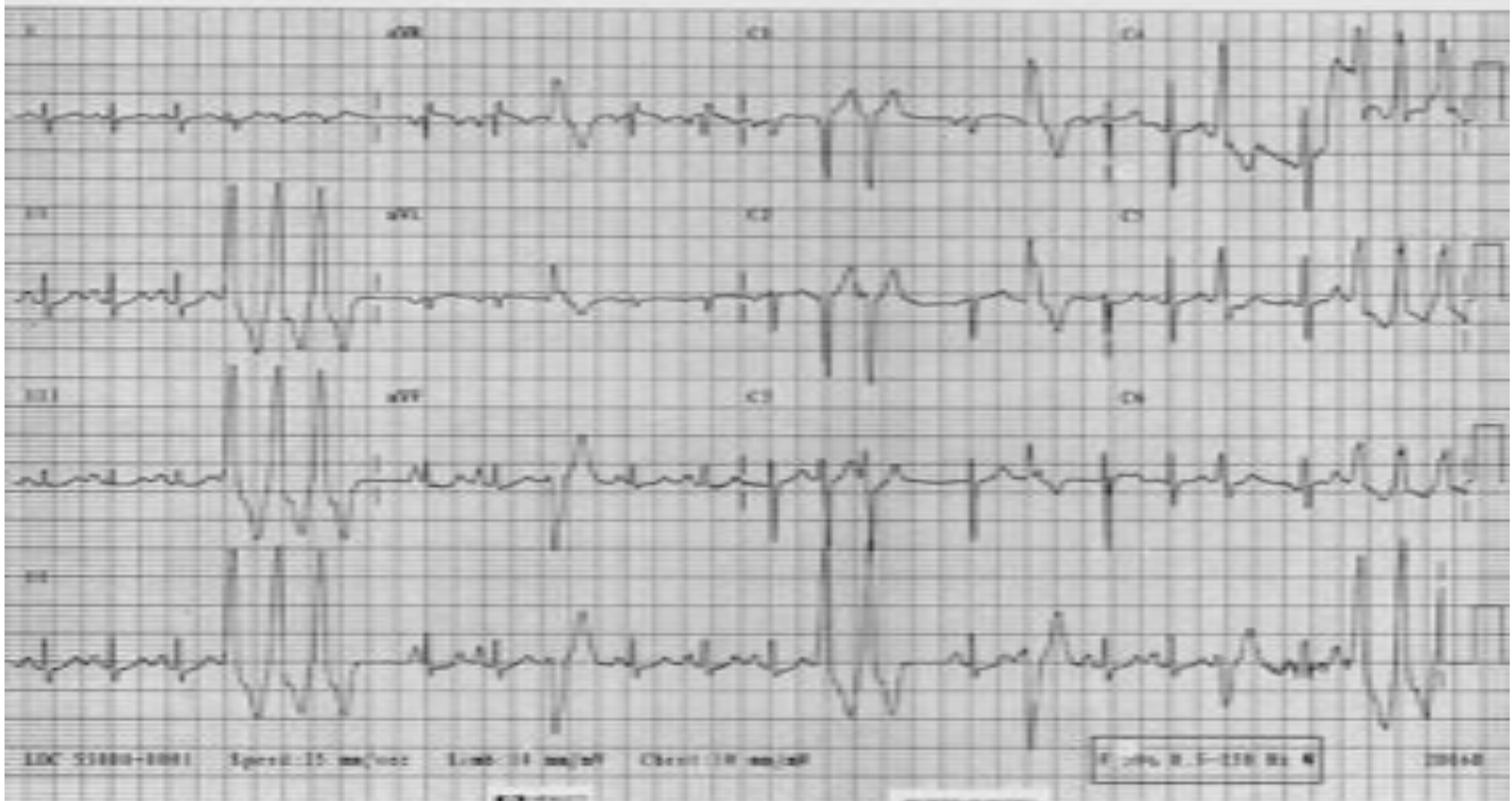
Referred by:

Discontinued

1. What is this rhythm ?
2. What is the cause ?
3. What initial treatment is required ?



1. What features differentiate benign ectopic beats from malignant ones ?
2. What treatment does this patient require ?



25mm/s
10mm/mV
40Hz
Pgm 006A
v206

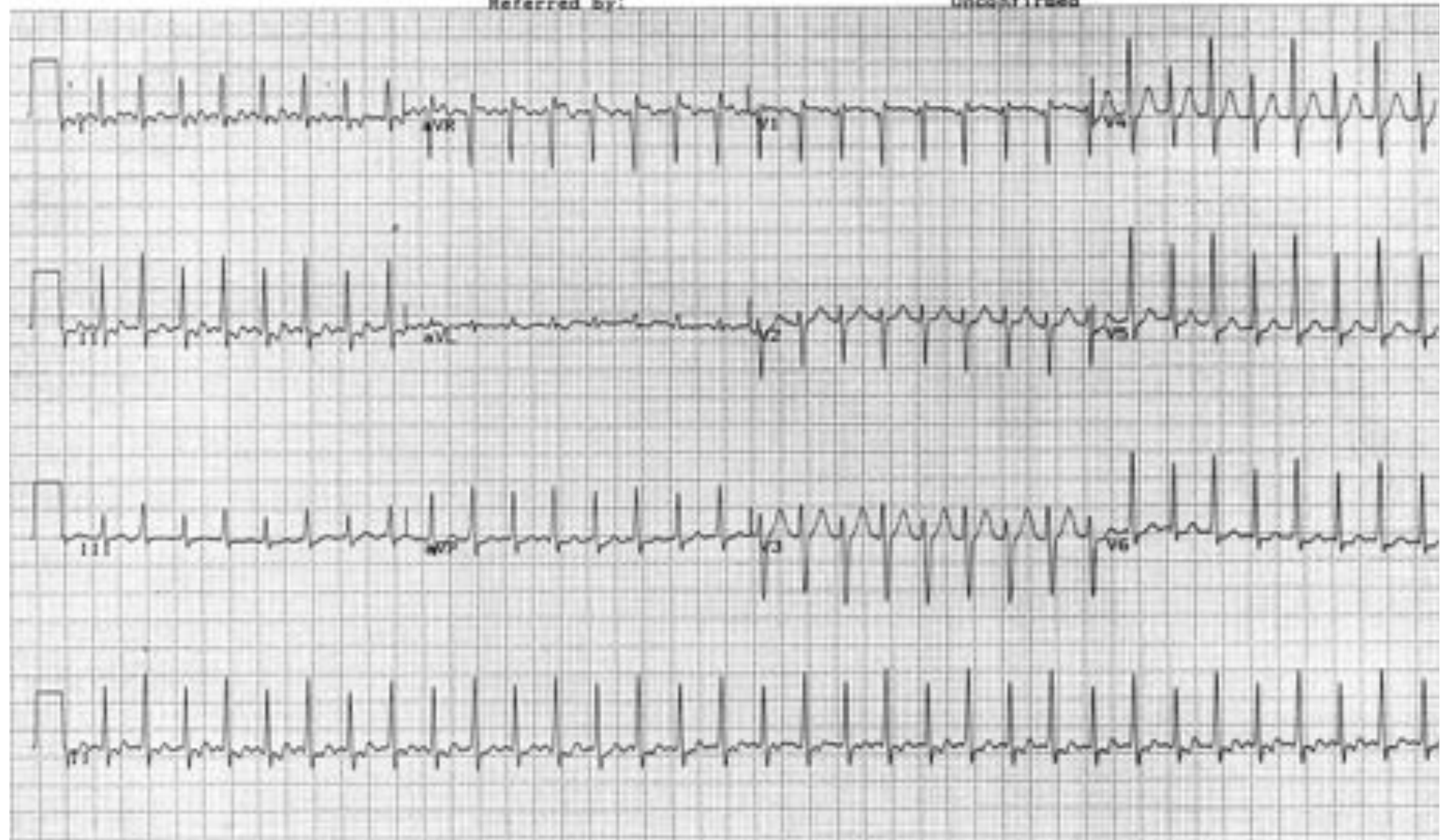
Med:
Age: Ht: Wt:
Sex: Race:
Loc: Room:

Vent. Rate 200 BPM
PR interval * ss
QRS duration 76 ss
QT/QTc 224/406 ss
P-R-T axes * 51 36

Cals: 1
Tech: 1

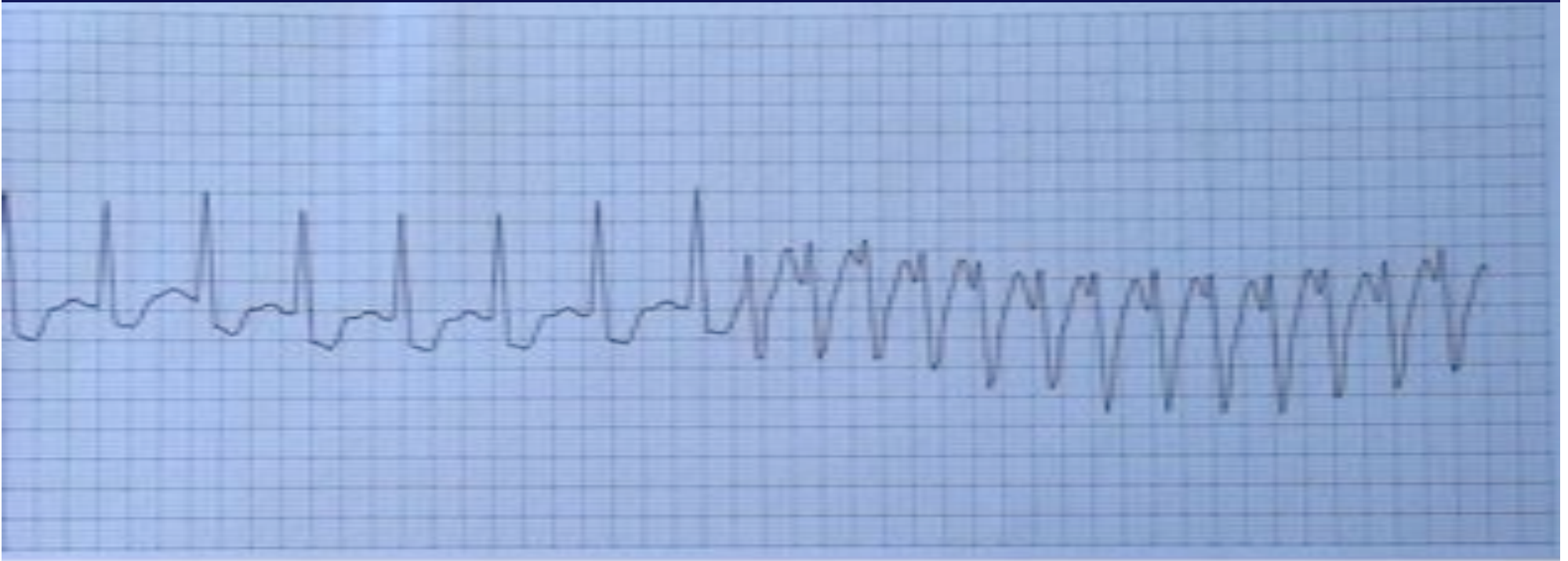
Referred by:

Unconfirmed



1. What is this rhythm ?
2. What are the possible causes ?
3. What initial treatment is required ?

1. What is this phenomenon known as ?
2. What is management is required ?



25mm/s
10mm/mV
40Hz
Pgm 0078
v206

Med:
Age:
Sex:
Loc:
Ht:
Race:
Room:

Vent. rate 81 BPM
PR interval 136 ms
QRS duration 92 ms
QT/QTc 420/483 ms
P-R-T axes 84 78 80

Cart: 1
Tech: 1

Referred by:

Unconfirmed

ESNA



1. What is abnormality is shown on this tracing ?
2. What are the causes of this ?

Any Questions ?