



ECG Rhythms Quiz



Level 1 - Beginner

Key to abbreviations in answers:

* **AR** = atrial rate

* **VR** = ventricular rate

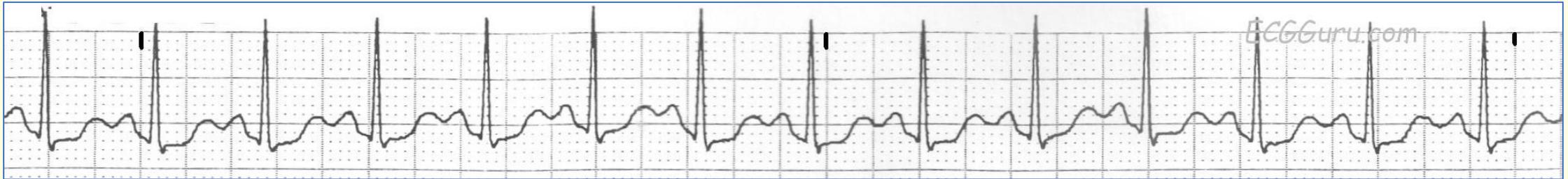
* **PRI** = PR interval

* **Intervals** are expressed in milliseconds (ms)

* **Six-second rate** is the number of complexes seen on a six-second strip multiplied by four. Used for irregular rhythms.

For questions or comments, contact us at Dawn.ECGGuru@gmail.com

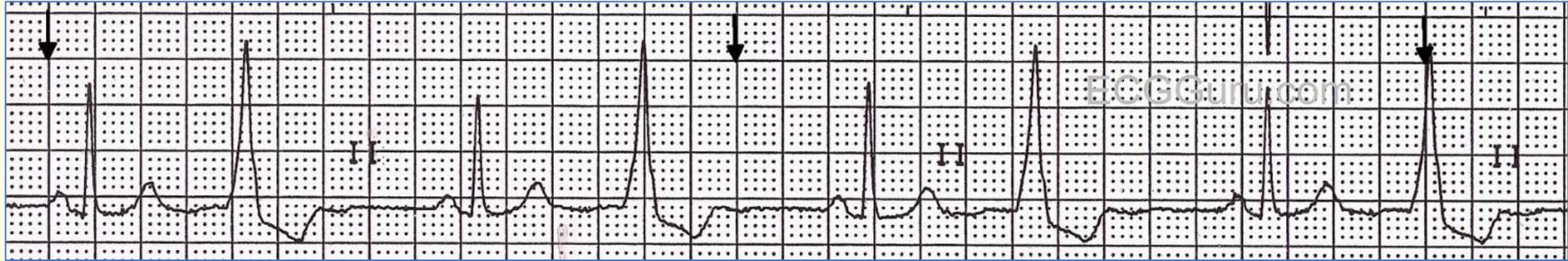
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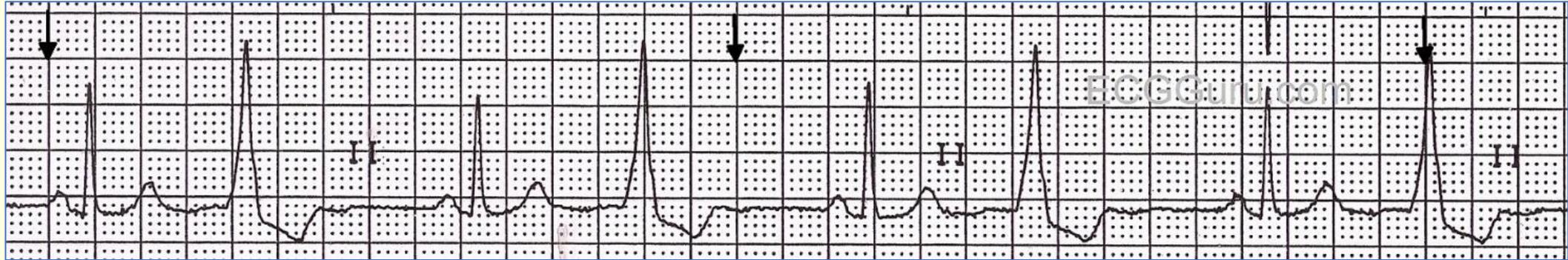
Sinus tachycardia.

VR 130. PRI 152.

2.

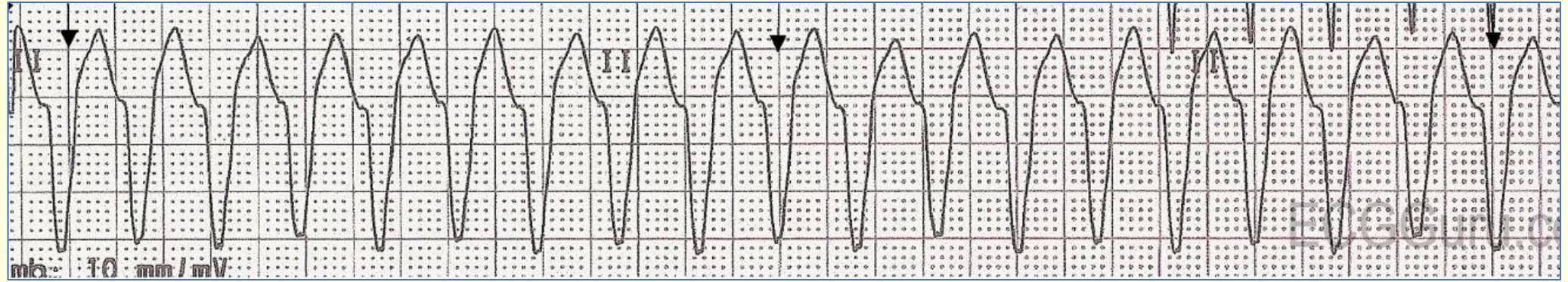


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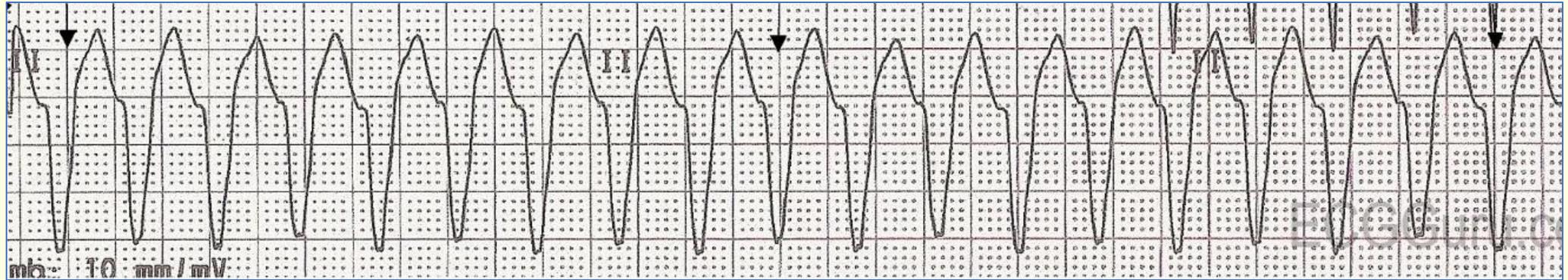


Sinus rhythm with ventricular bigeminy.
*Underlying sinus rate 73. Six-second rate with
PVCs 80. PRI 155 ms.*

3.



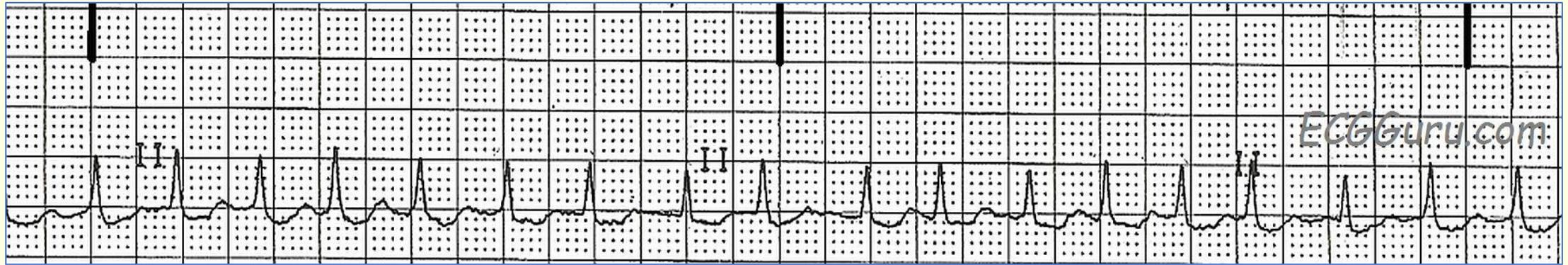
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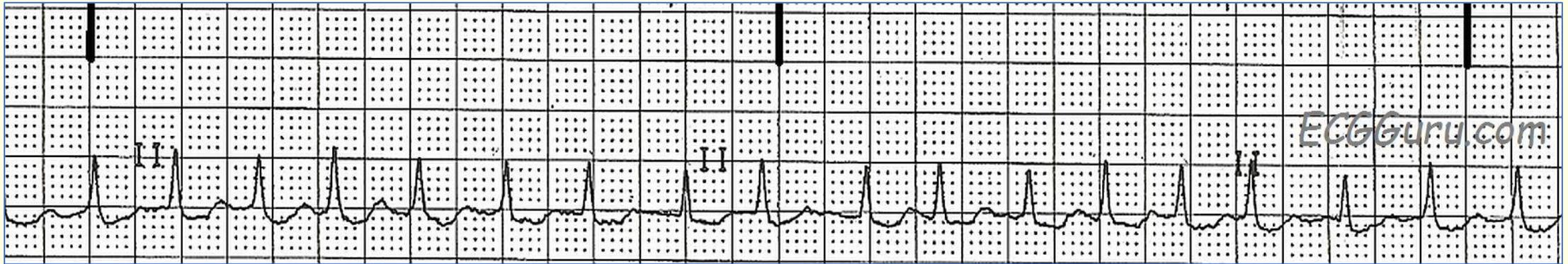
Ventricular tachycardia.

VR 173. QRS width 150 ms.

4.



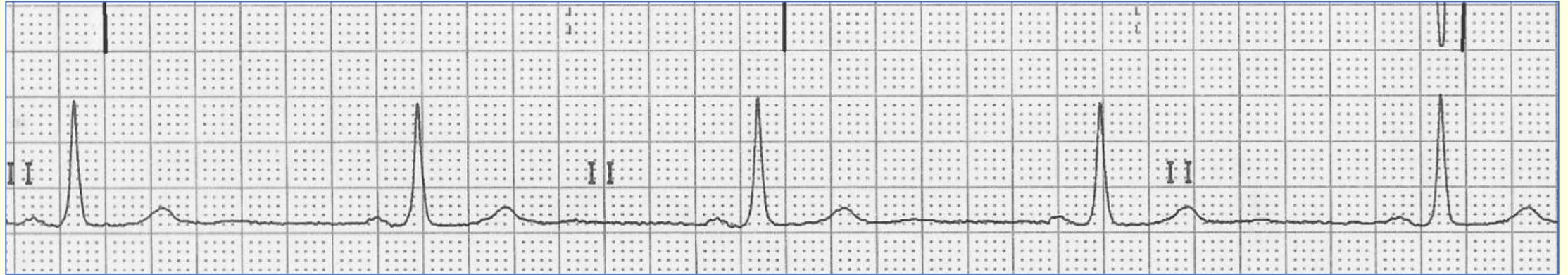
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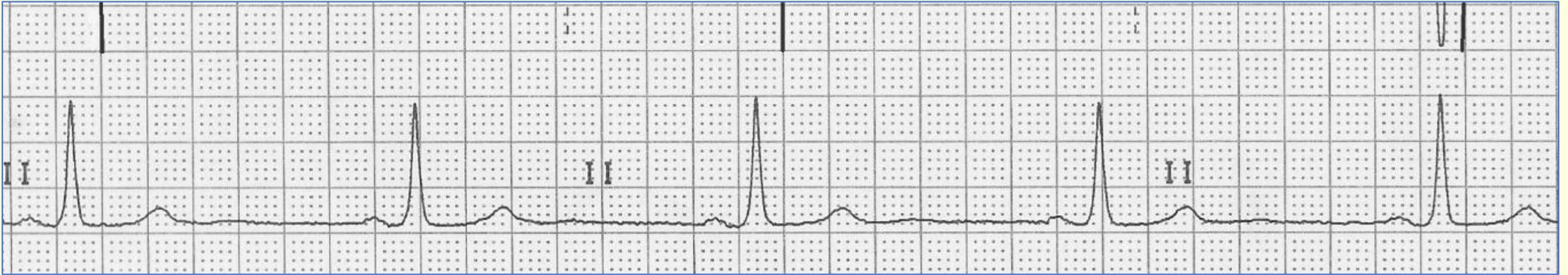
Atrial fibrillation with rapid ventricular response.

VR about 170. Rhythm irregularly-irregular. No P waves.

5.



5.

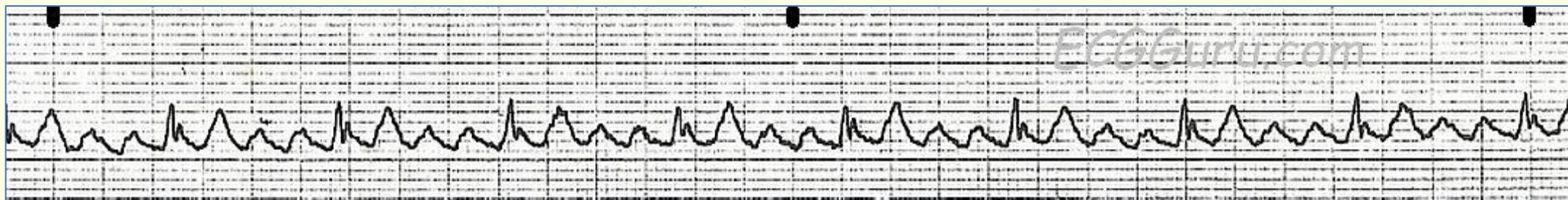


Sinus bradycardia.

AR/VR 40. PRI 183 ms.

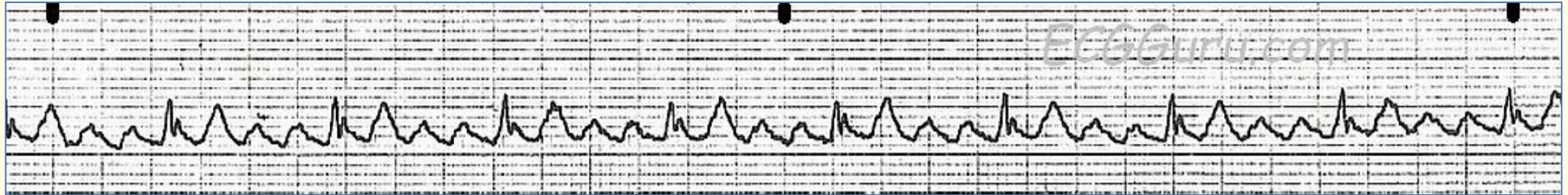
6.

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6.



Atrial flutter with 4:1 conduction.

AR 360. VR 90.

7.



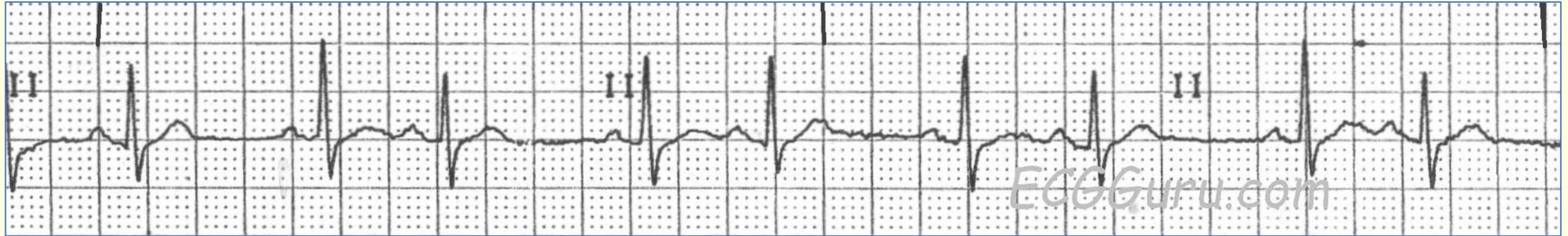
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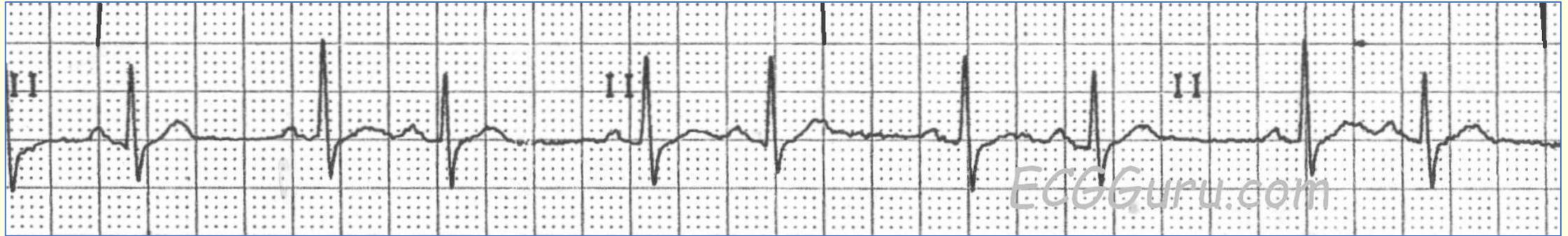
Sinus bradycardia with one premature atrial contraction (PAC).

Sinus rate 42. Six-second rate with PAC 50. PRI 130 ms.

8.



8.

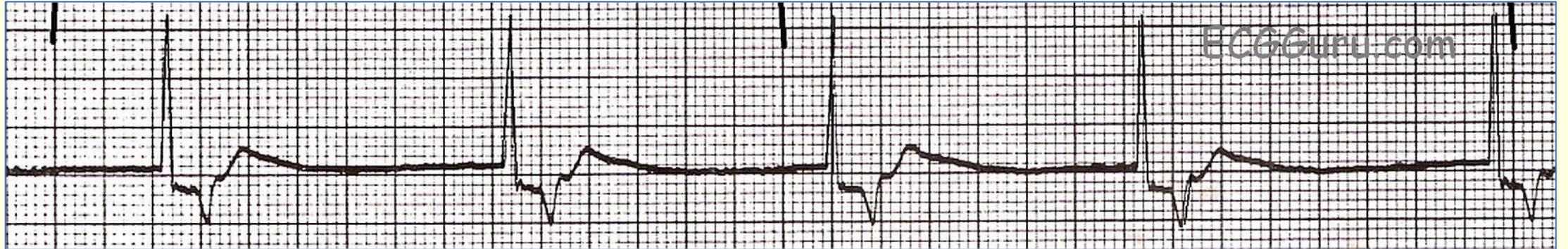


Sinus rhythm with atrial bigeminy.

Six-second rate with PACs 90. PRI sinus beats 140 ms.

PRI PACs 130 ms.

9.



9.



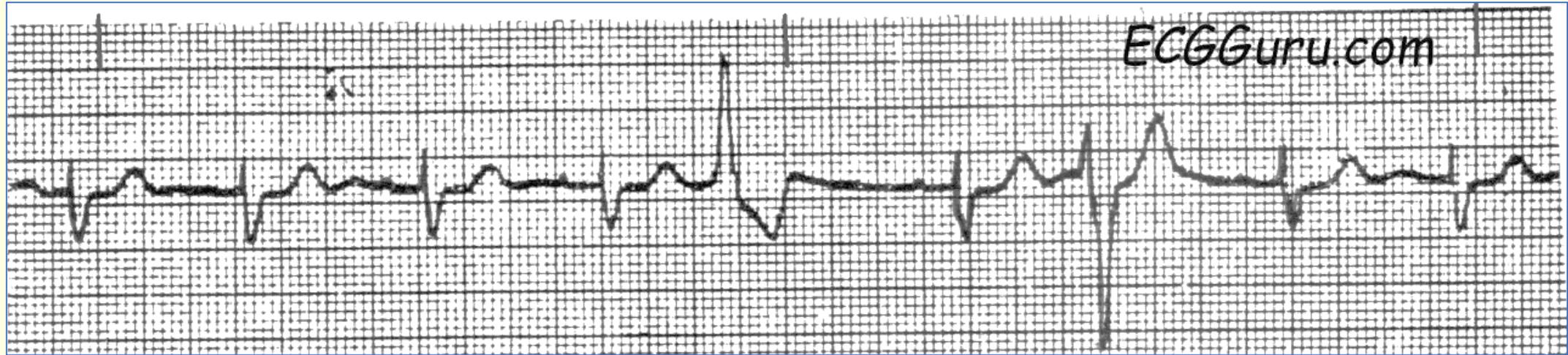
Junctional rhythm.

VR 43-45, slightly irreg.

10.



10.



Normal sinus rhythm with multifocal premature ventricular contractions.

VR 79. PRI 190 ms.

11.



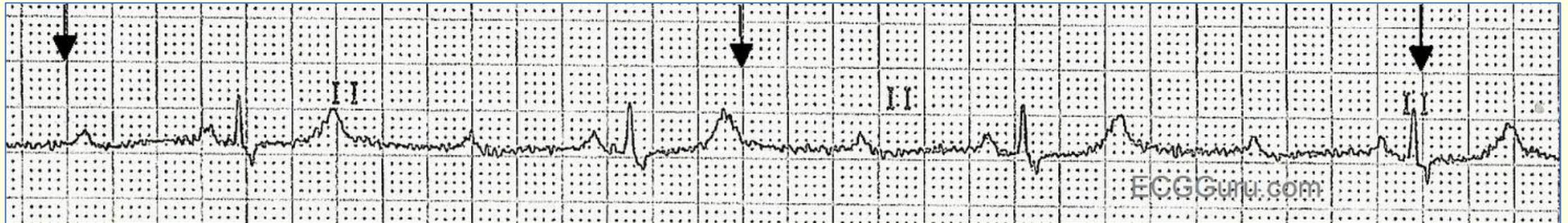
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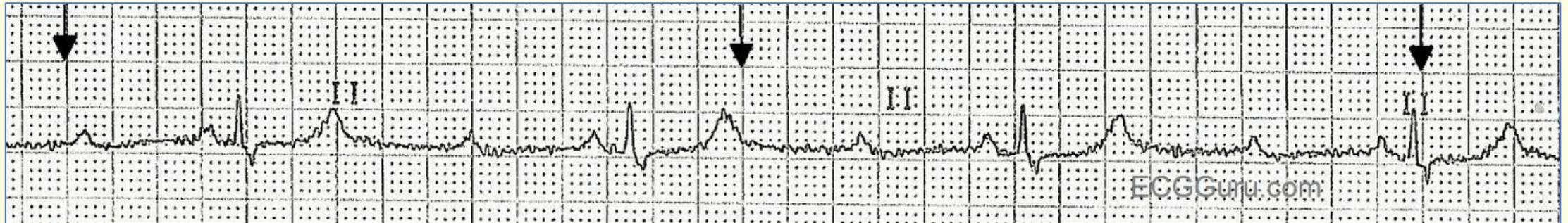
Sinus rhythm with third-degree AV block and junctional escape rhythm.

AR 90. VR 57.

12.



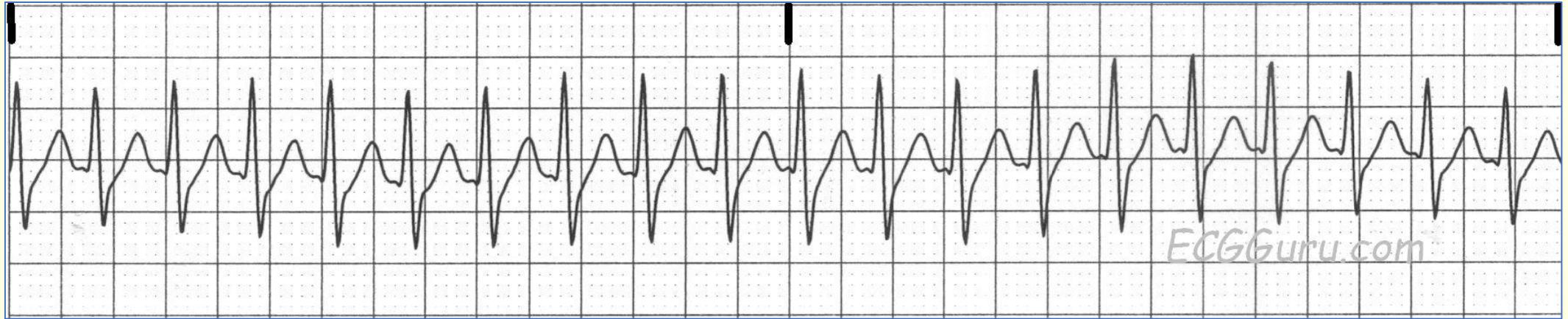
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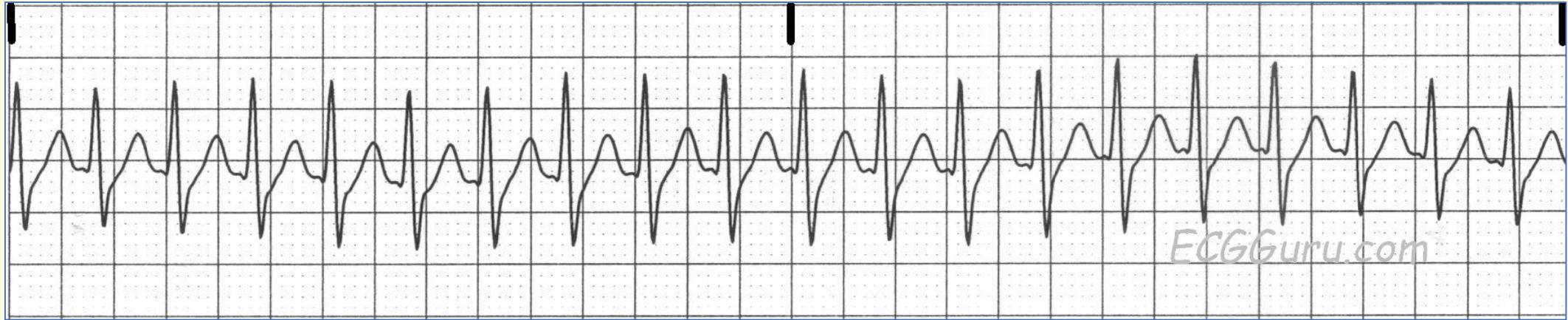
**Sinus rhythm with second-degree AVB, Type II,
with 3:1 conduction.**

AR 102. VR 34. PRI 187 ms.

13.



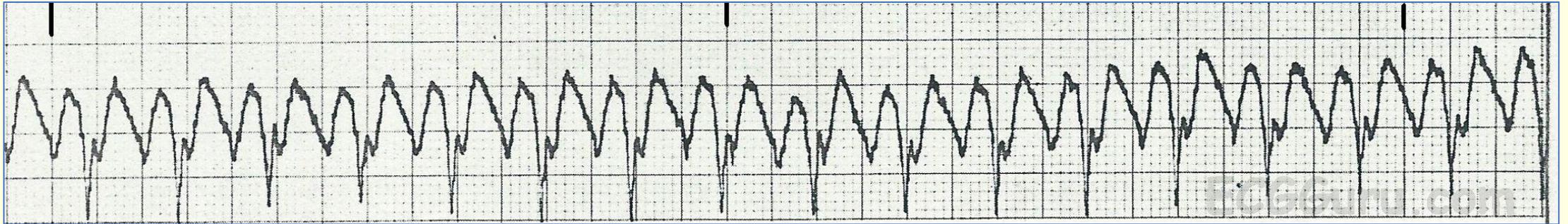
13.



Supraventricular tachycardia.

AR & VR 190.

14.



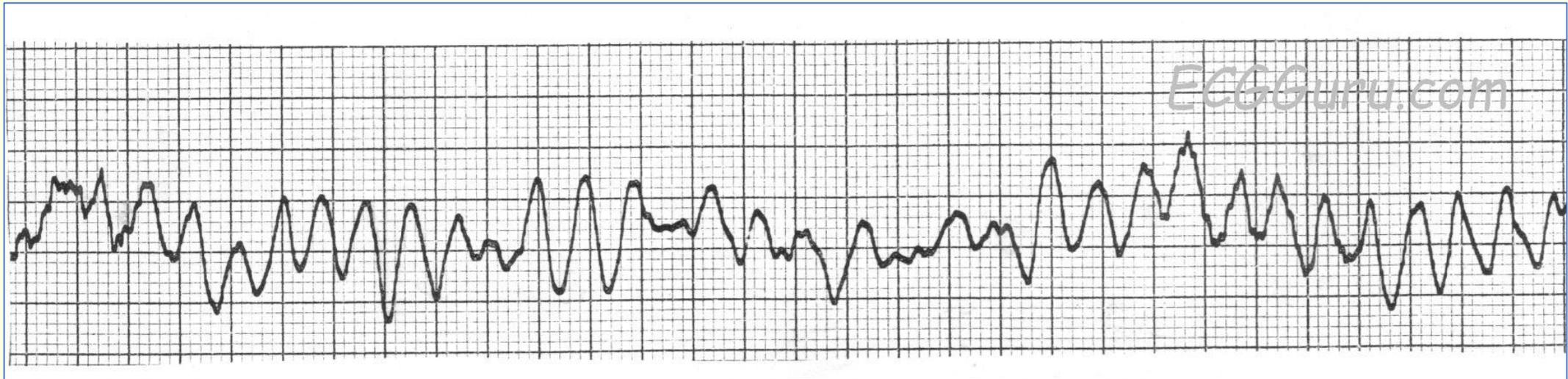
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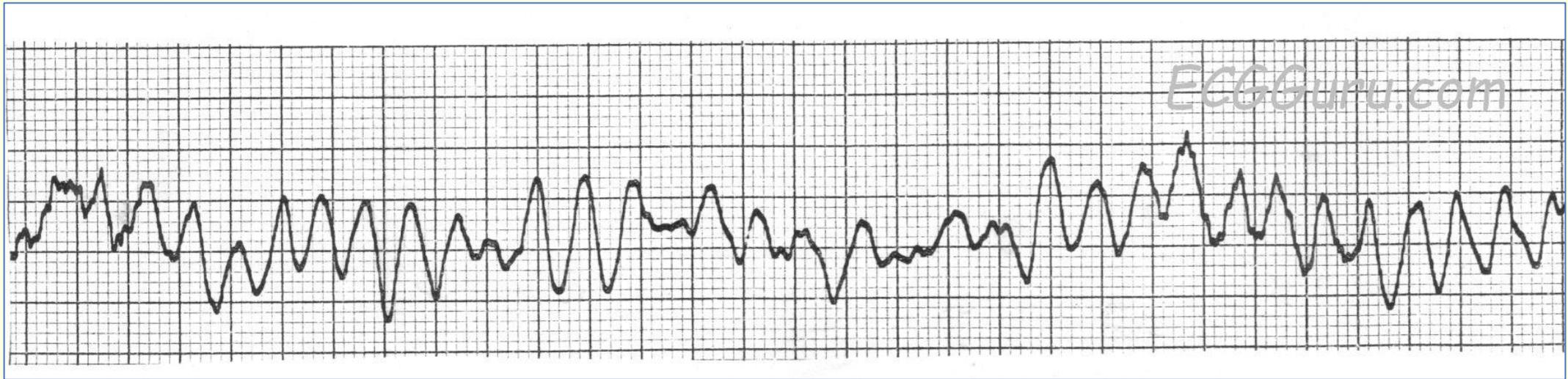
Atrial flutter with 2:1 conduction.

AR 300. VR 150.

15.

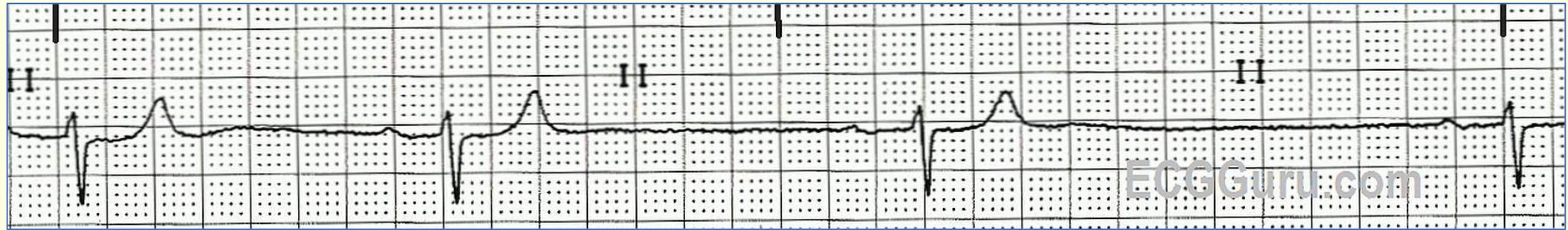


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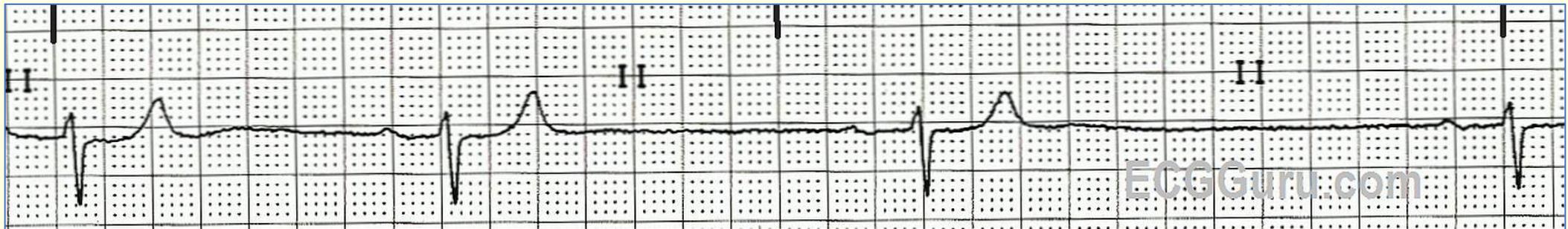


Ventricular fibrillation.

16.



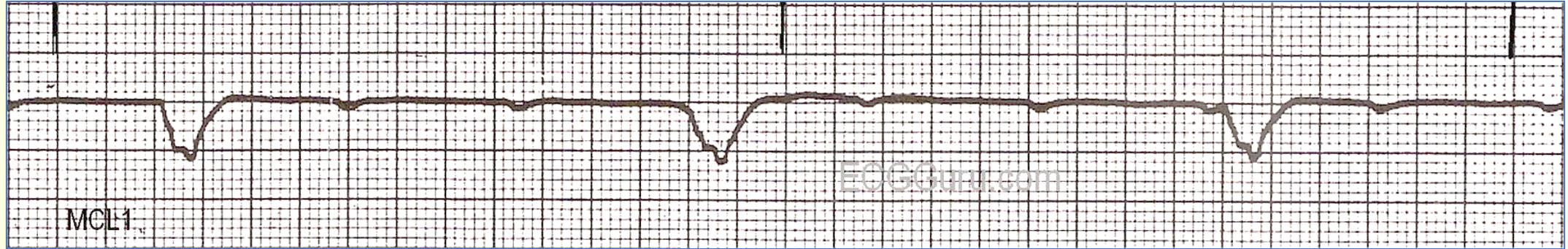
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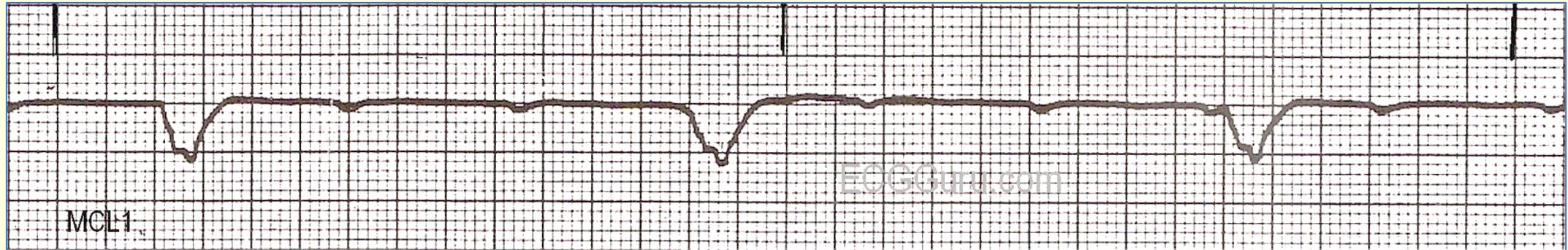
Sinus bradycardia with first-degree AVB.

Slowing from VR 40 to VR 20. PRI 240 ms.

17.



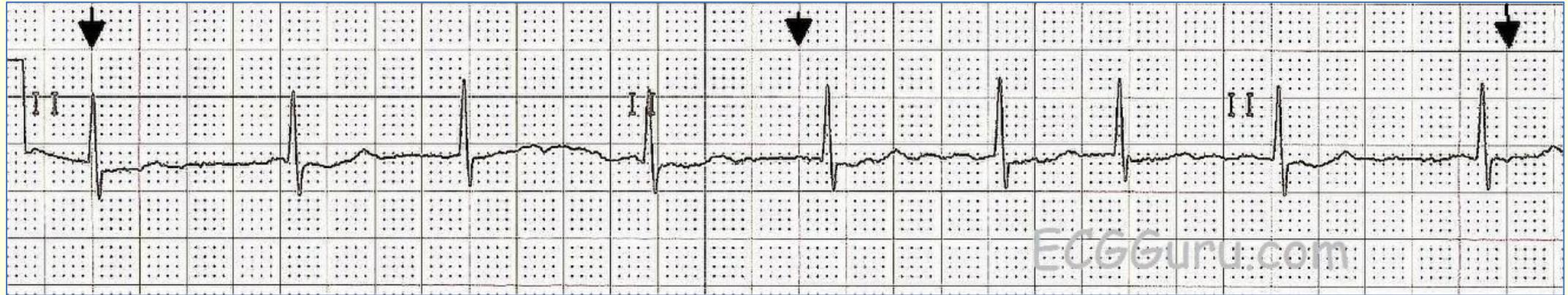
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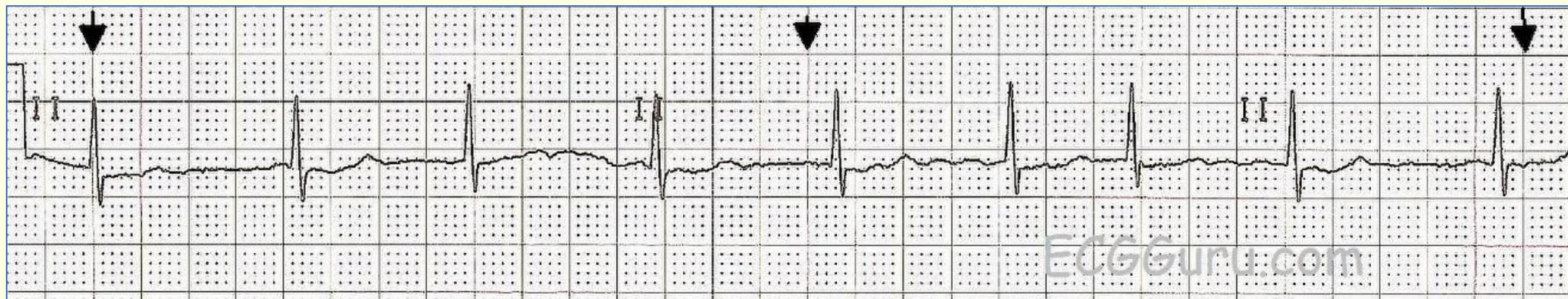
Sinus rhythm with third-degree AV block and ventricular escape rhythm.

AR 84. VR 27. QRS width 266 ms.

18.



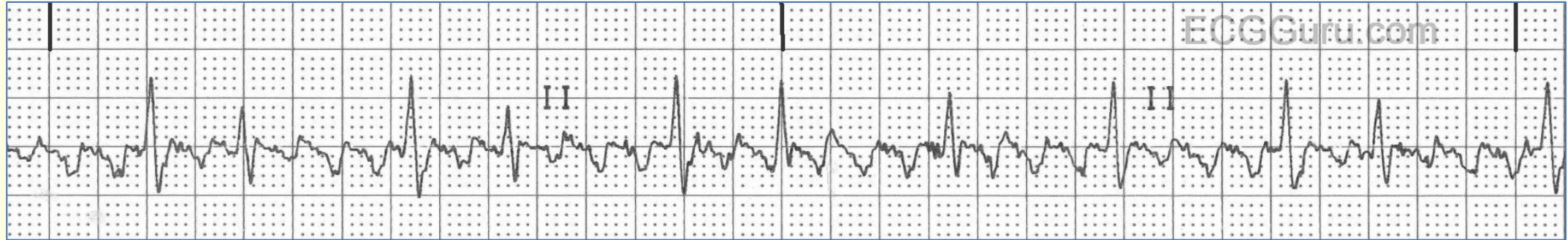
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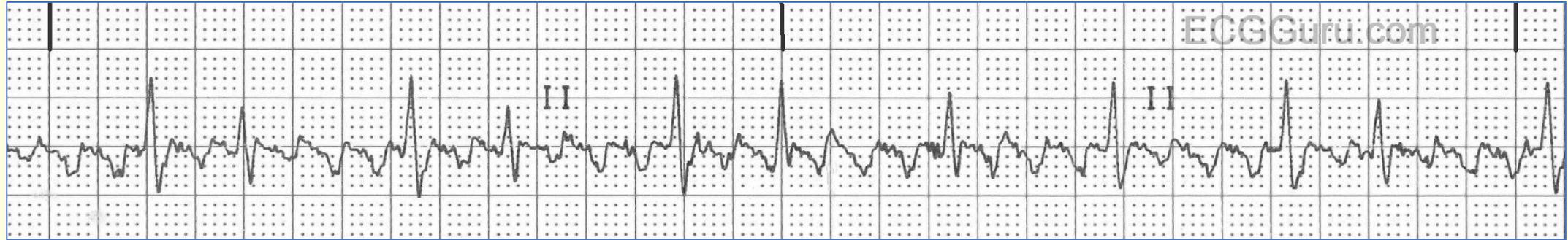
**Atrial fibrillation with a controlled
ventricular response.**

VR 90.

19.



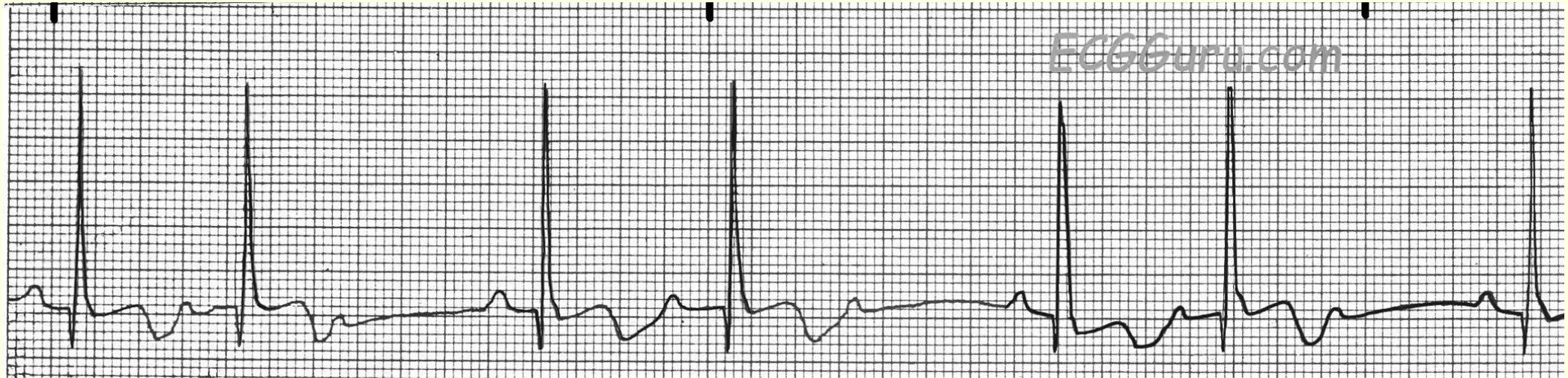
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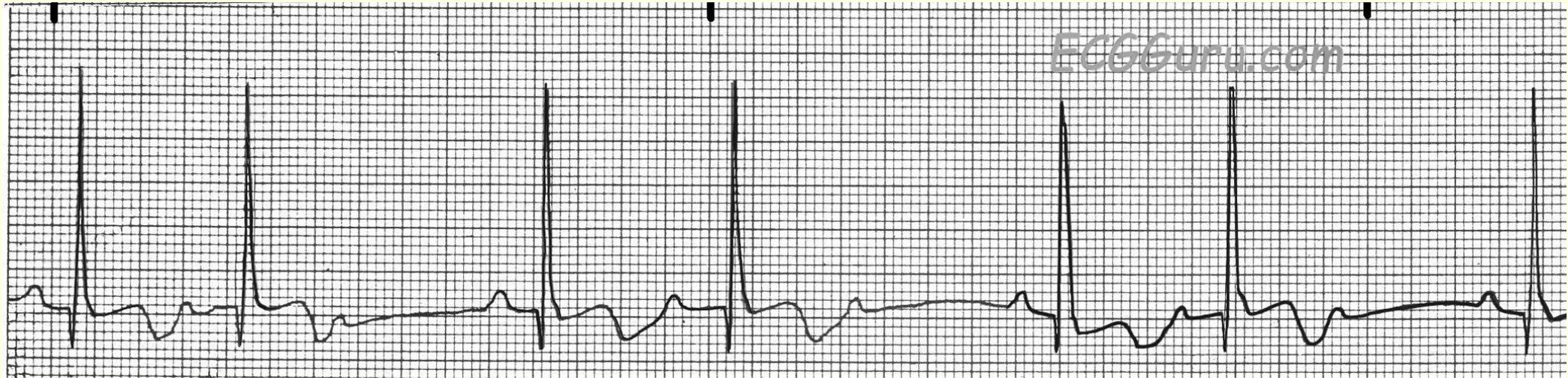
Atrial flutter with variable conduction.

AR 328. VR about 100.

20.



20.



**Sinus rhythm with second-degree AV block,
Type I. 3:2 conduction.**

AR 90 & irregular. VR about 60.

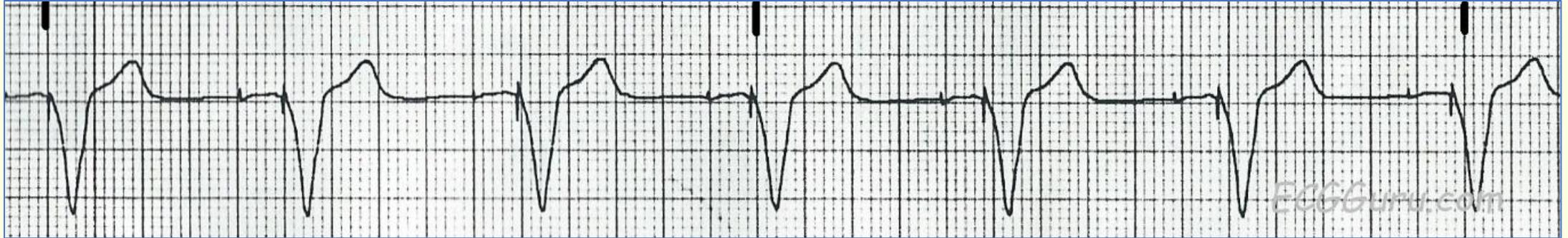
PR interval varies from 220 ms to 278 ms.

21.



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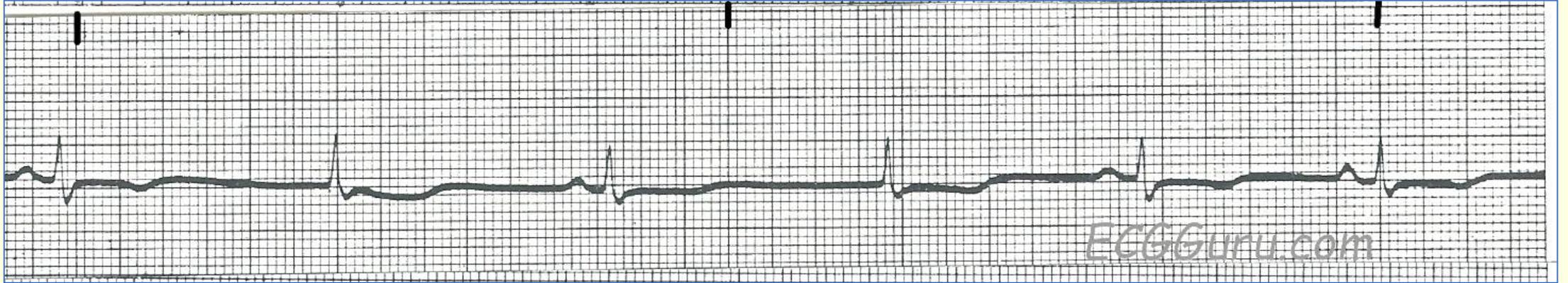
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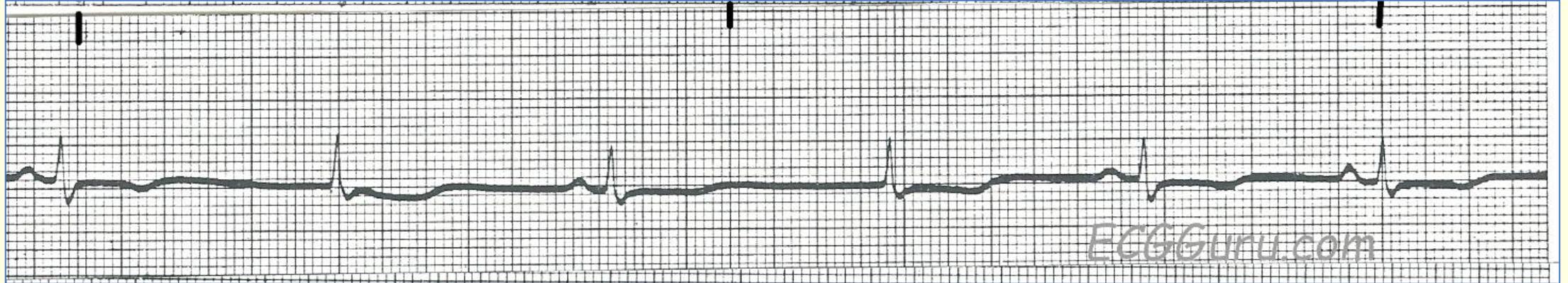
AV sequential pacing.

AR & VR 62. Right ventricular pacing electrode produces a wide QRS at 174 ms.

22.

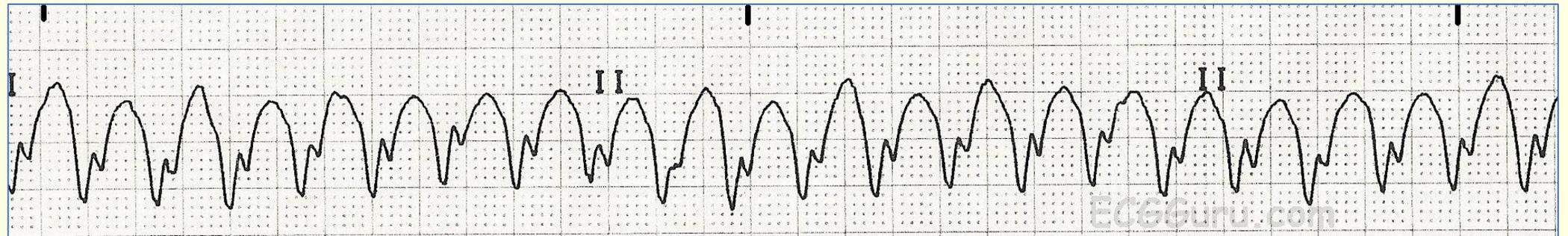


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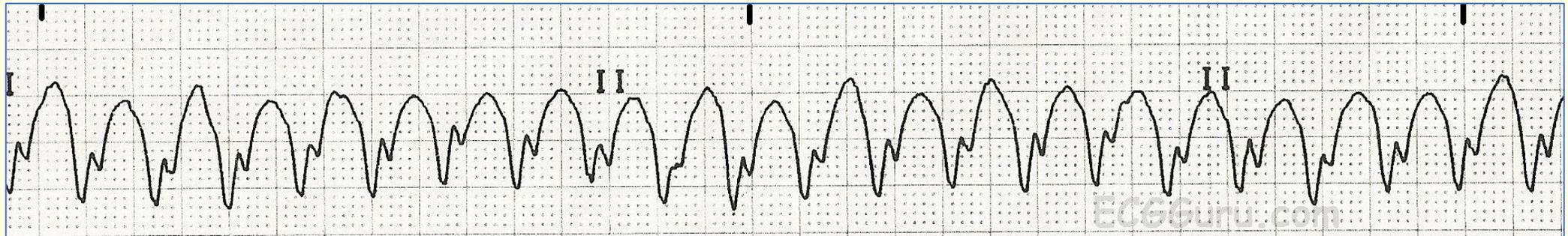


Sinus bradycardia with pauses.
Beats 2 and 4 are junctional escape beats.
Six-second strip rate 50.

23.



23.

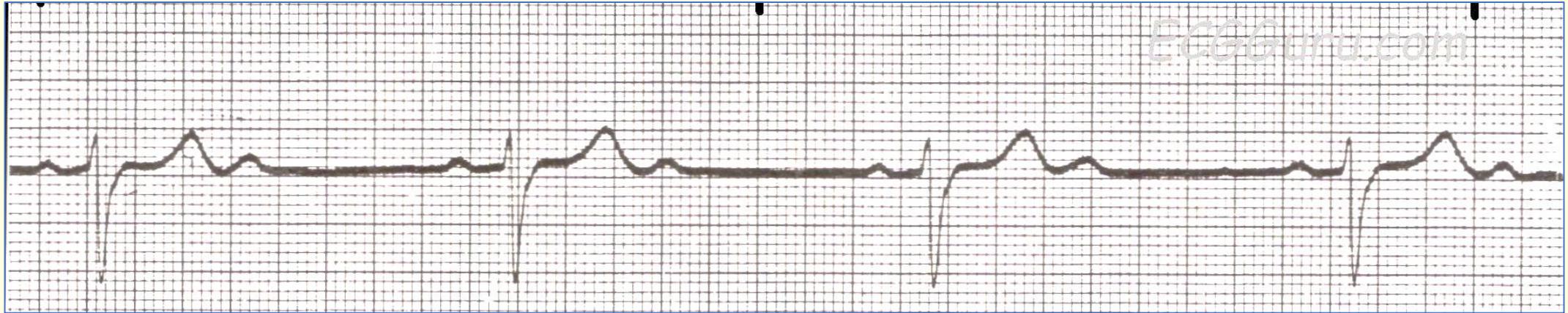


Ventricular tachycardia.

VR 205. QRS width 196 ms.

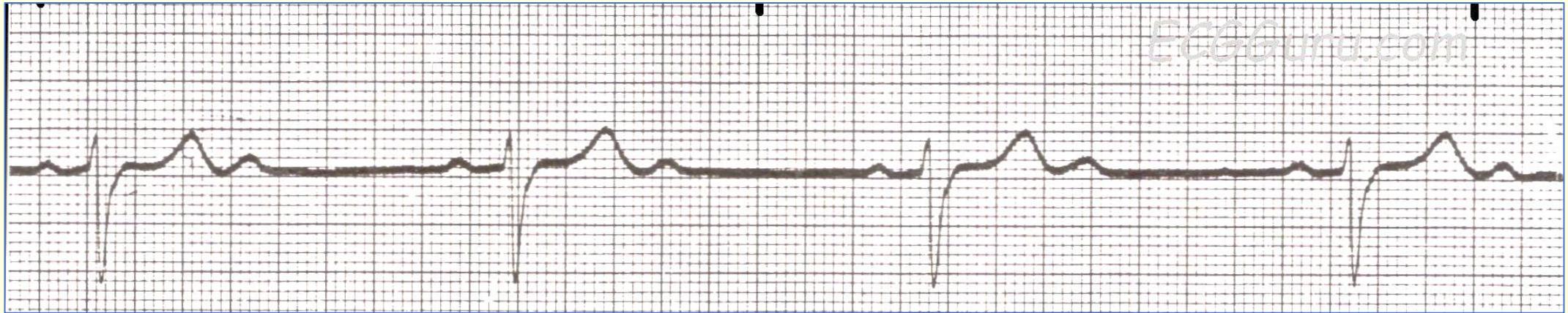
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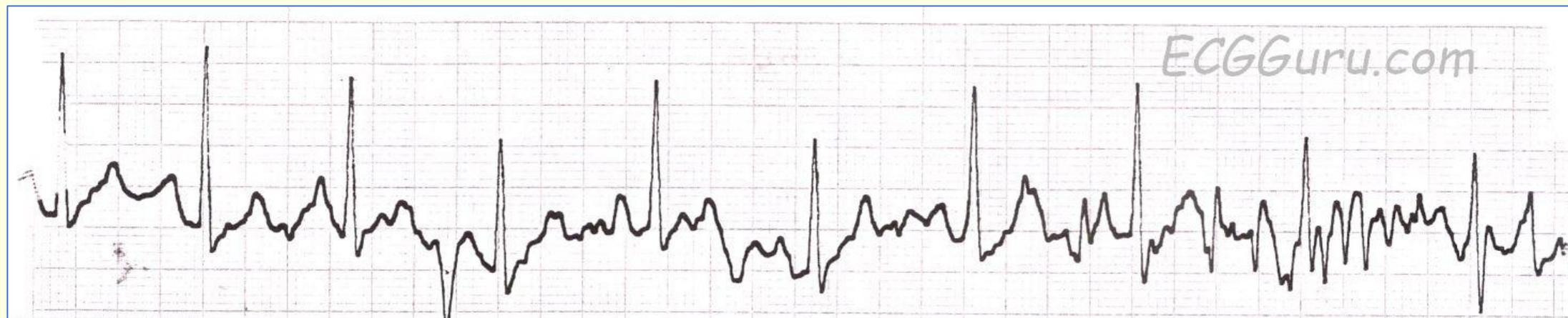
Sinus rhythm with 2:1 AV block.

AR 68. VR 34. PRI 234 ms.

25.



25.



Artifact.

Underlying VR 87. Unable to evaluate P waves.



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