

6th Annual UMEM Residency ECG Competition

May 30, 2018



Name: _____

What program are you in? (circle one)

EM

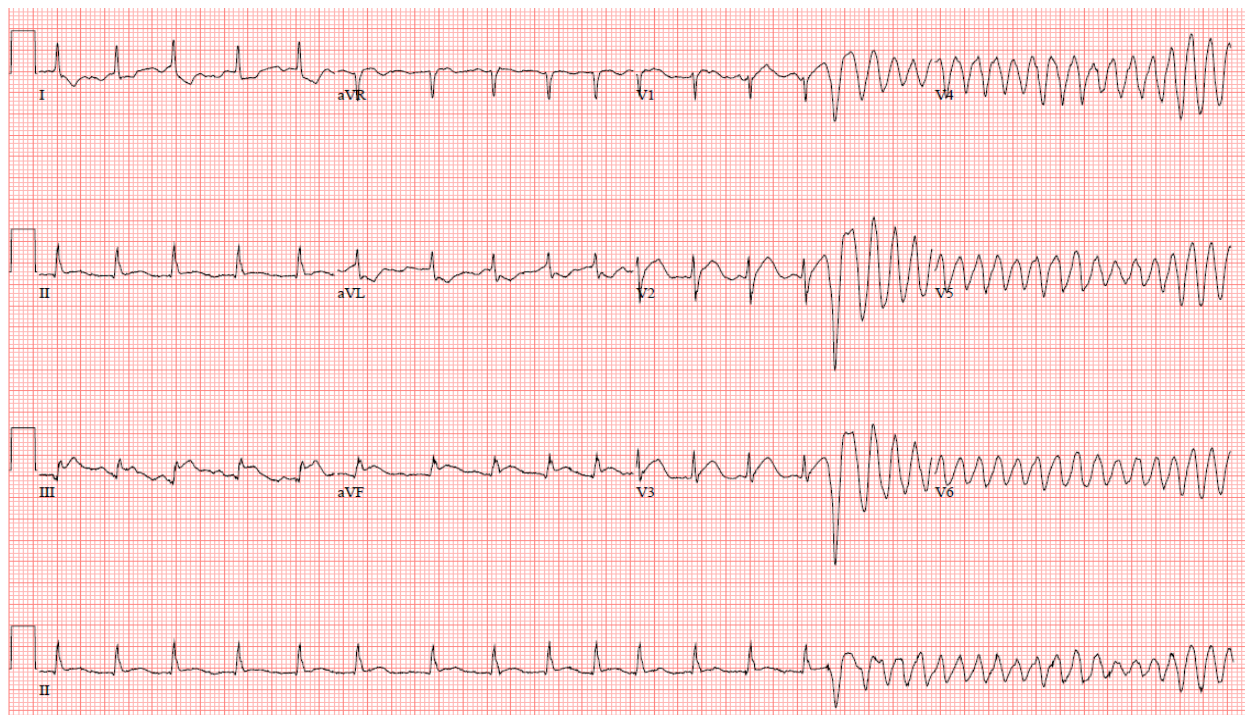
EM/Peds

EM/IM

EM/IM/CC

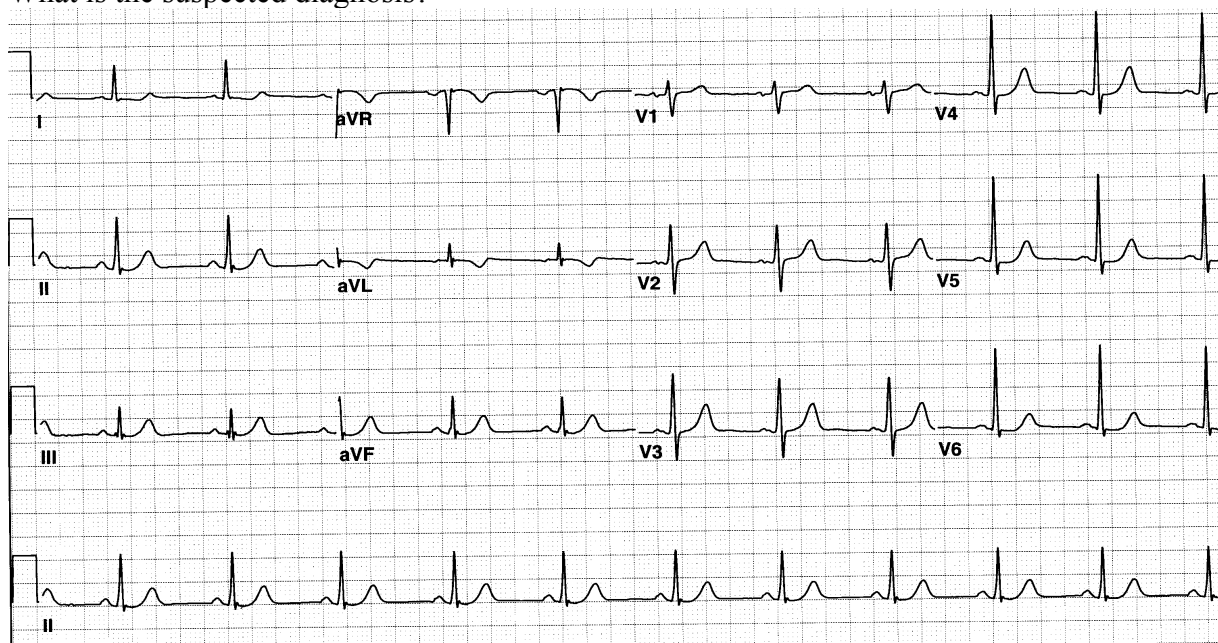
What is your PG year? (1-5) _____

1. A 45 yo man presents with chest pain and suddenly becomes unconscious during an ECG. What is the ECG diagnosis?
If shocking the patient is not successful in converting the rhythm, what is the 2nd line therapy?

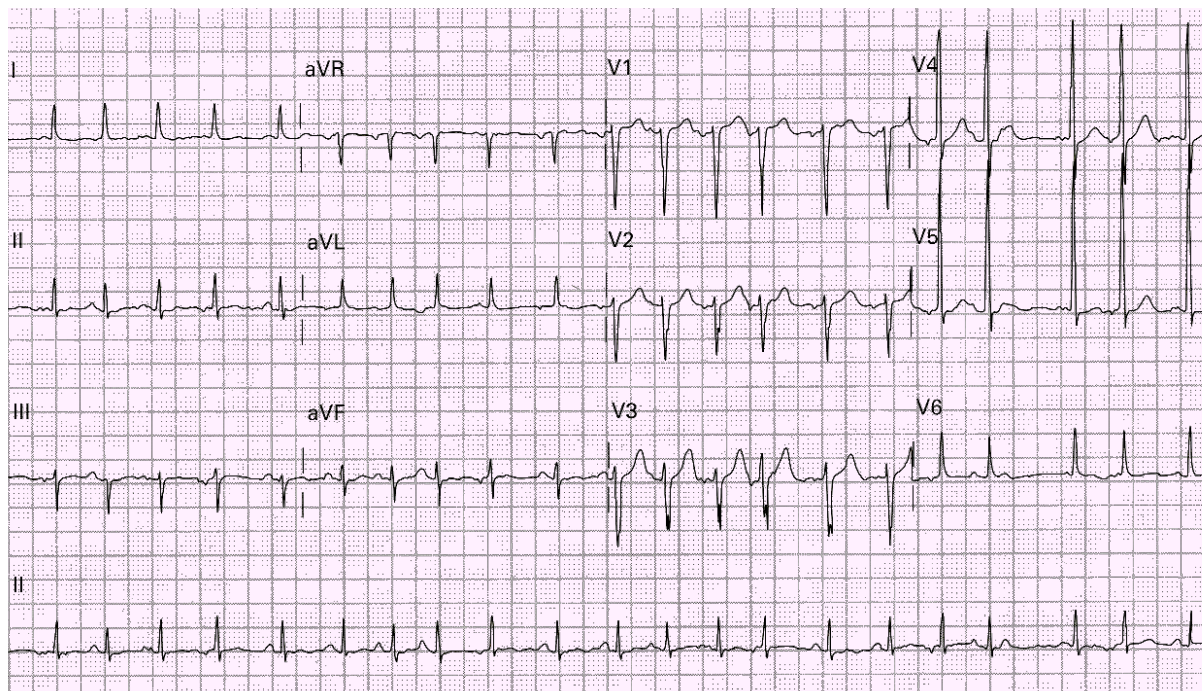


ECG Courtesy Dr. Ramon Estrella

2. A 55 yo W with active chest pain has this ECG. What is the key finding?
What is the suspected diagnosis?



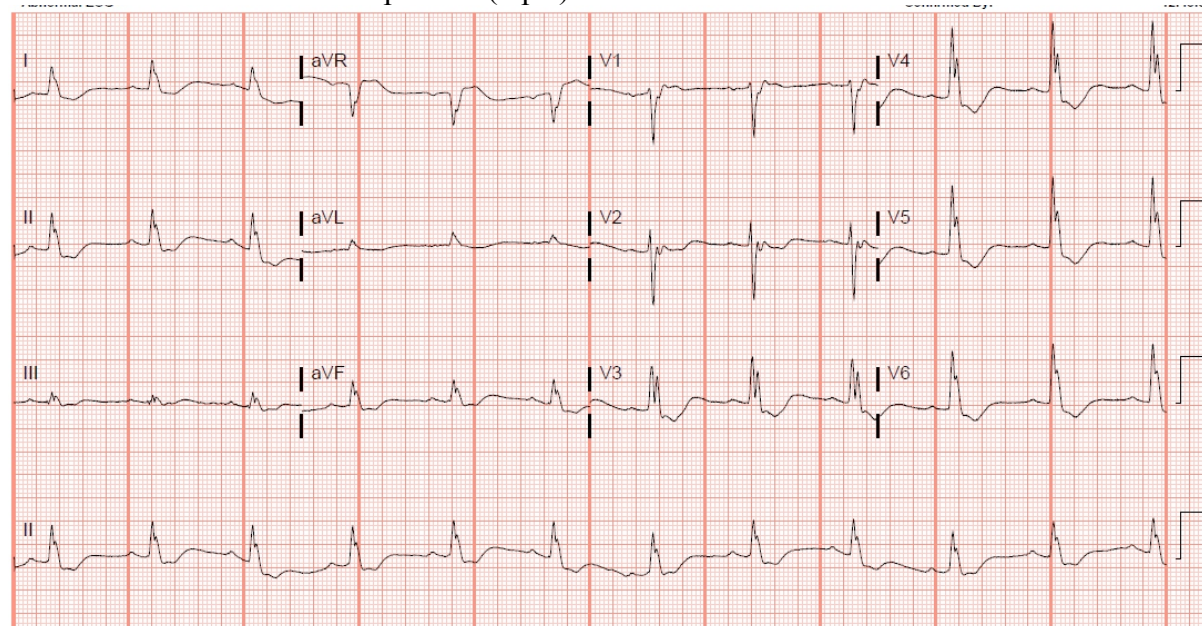
3. A 65 yo M presents with palpitations and SBP 75. The following ECG is obtained. What is the best initial treatment?



4. A 52 yo M presents after a syncopal episode.

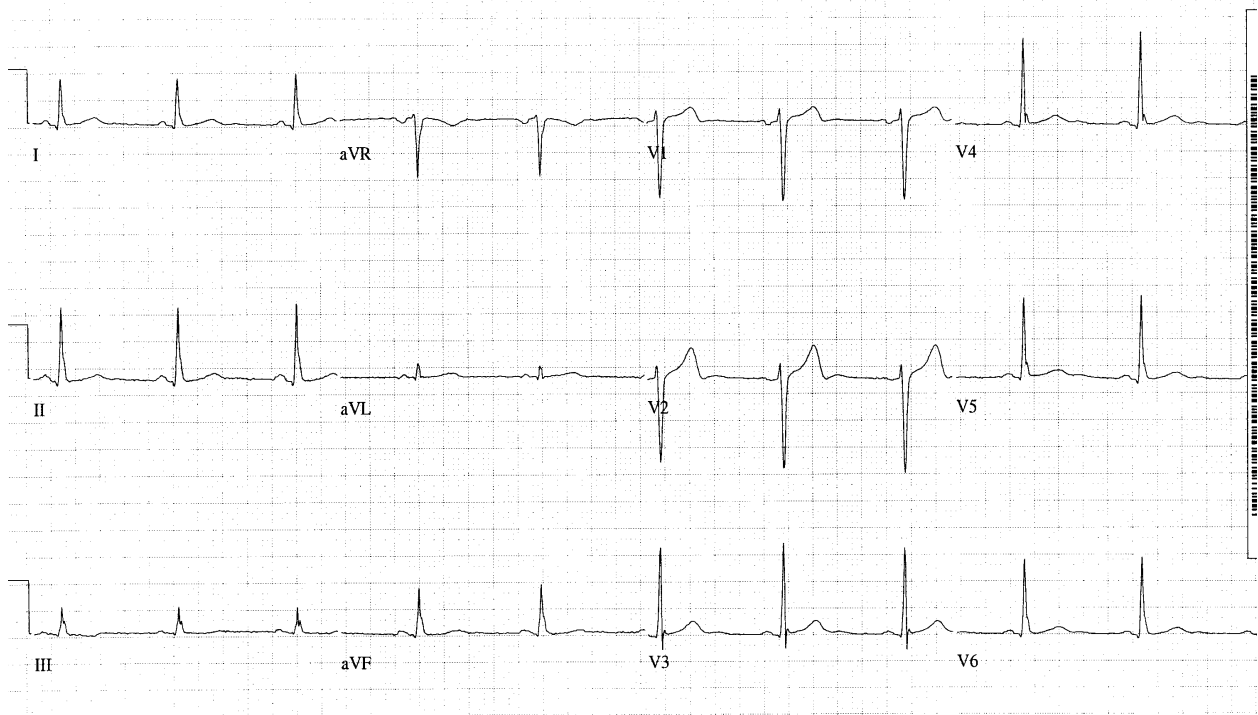
What is the diagnosis?

What are the two key diagnostic ECG findings in this condition? Indicate which one is more sensitive and which is more specific. (2 pts)

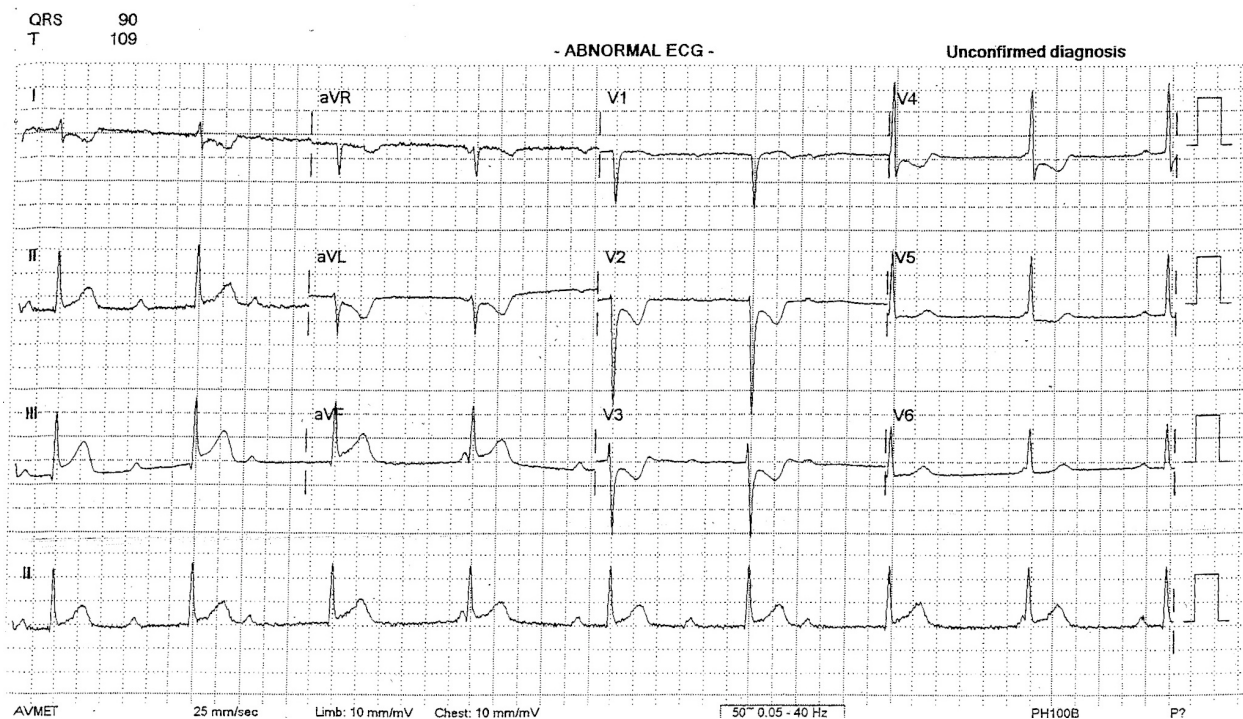


ECG Courtesy Dr. Cameron Earl

5. A 54 yo M presents for chest pain. The following ECG was obtained during active pain. What is the key finding and what is the suspected diagnosis?



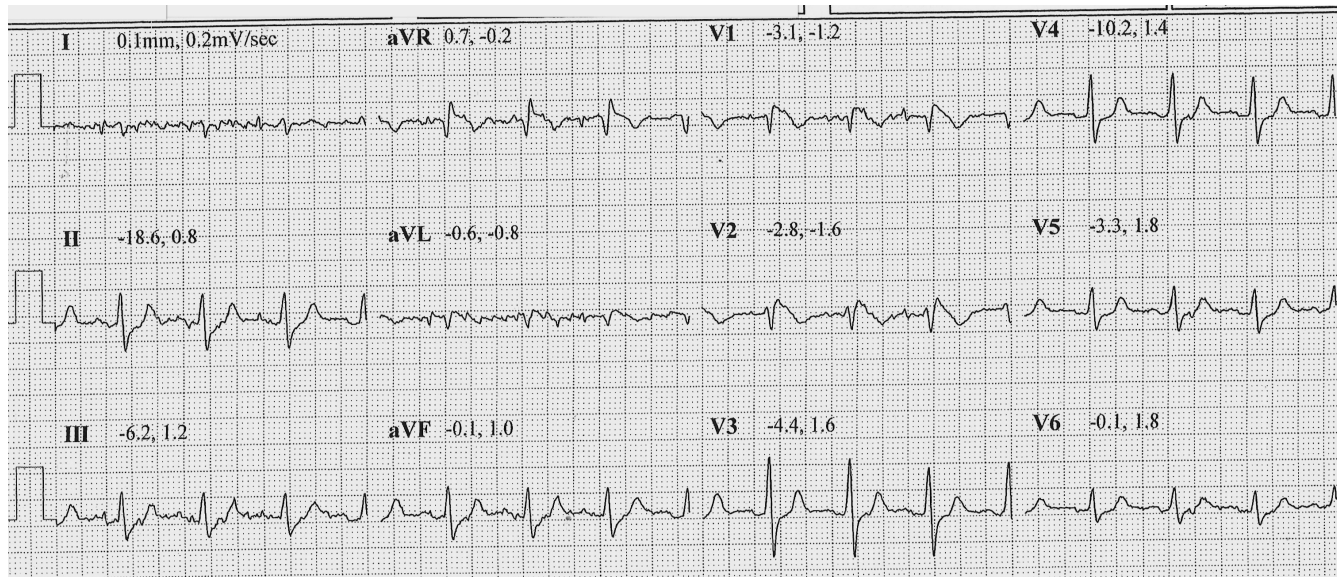
6. A 54 yo man presents with chest pain and the ECG noted below. What is the FULL ECG dx? (3 points)



7. A 39 yo M presents after a syncopal episode. He is now asymptomatic and this ECG was obtained.

What is the diagnosis?

What is the diagnostic test of choice?

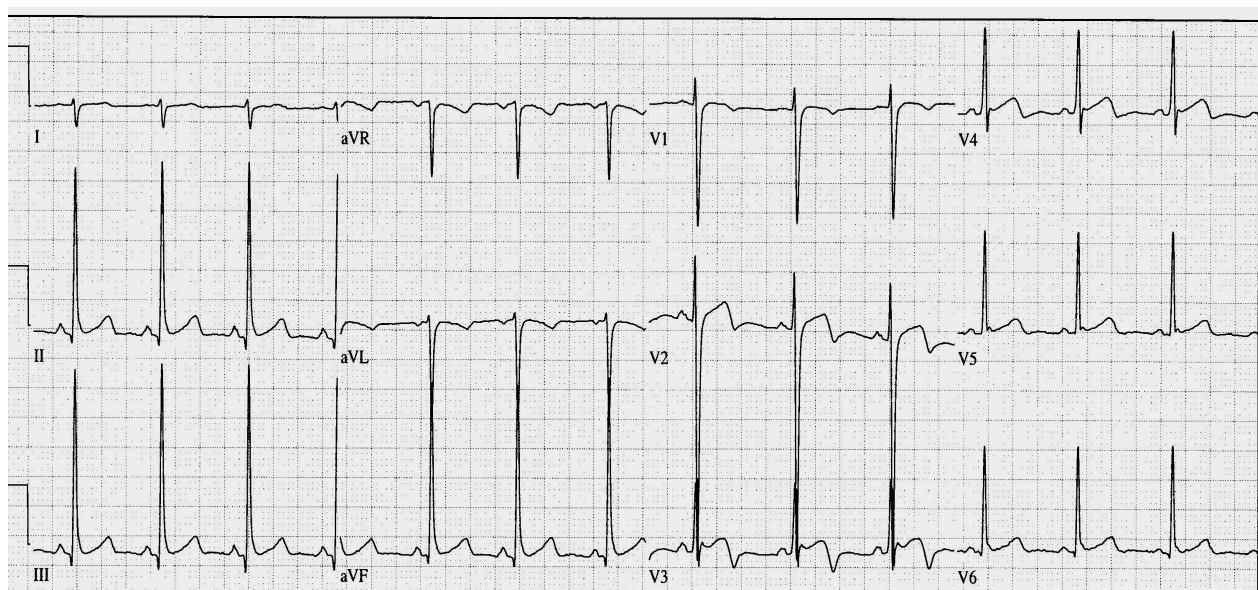


ECG Courtesy Dr. Ben Smedley

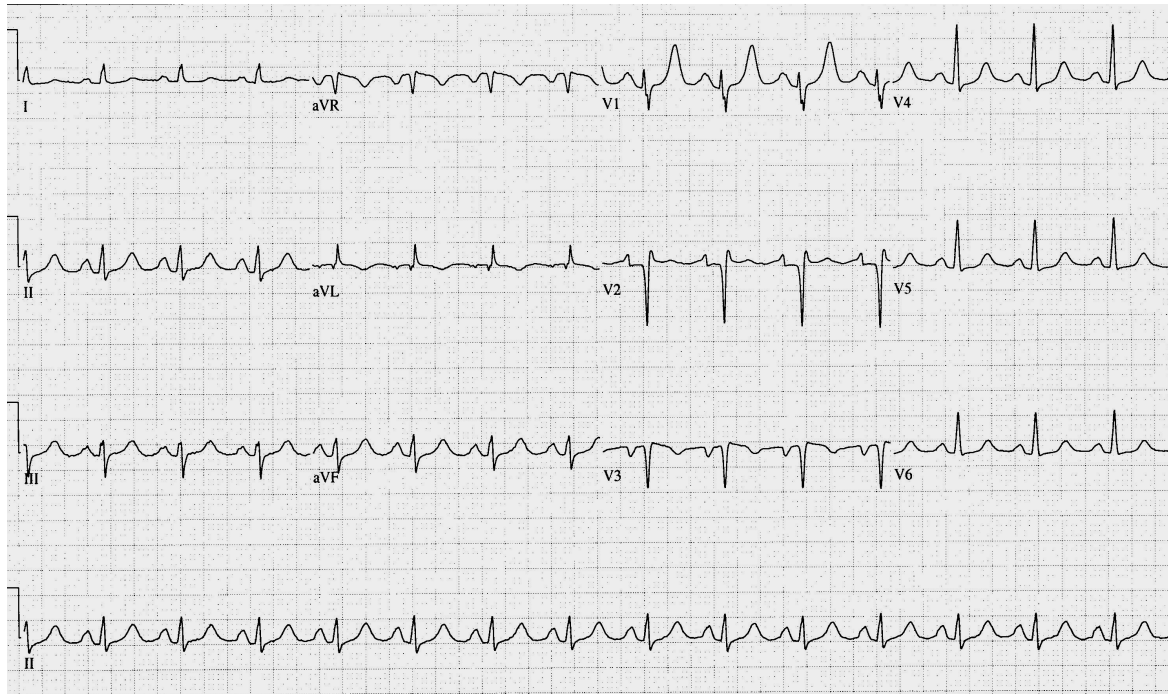
8. A 31 yo M presents with chest pain. He is now asymptomatic when this ECG is obtained.

What is the diagnosis?

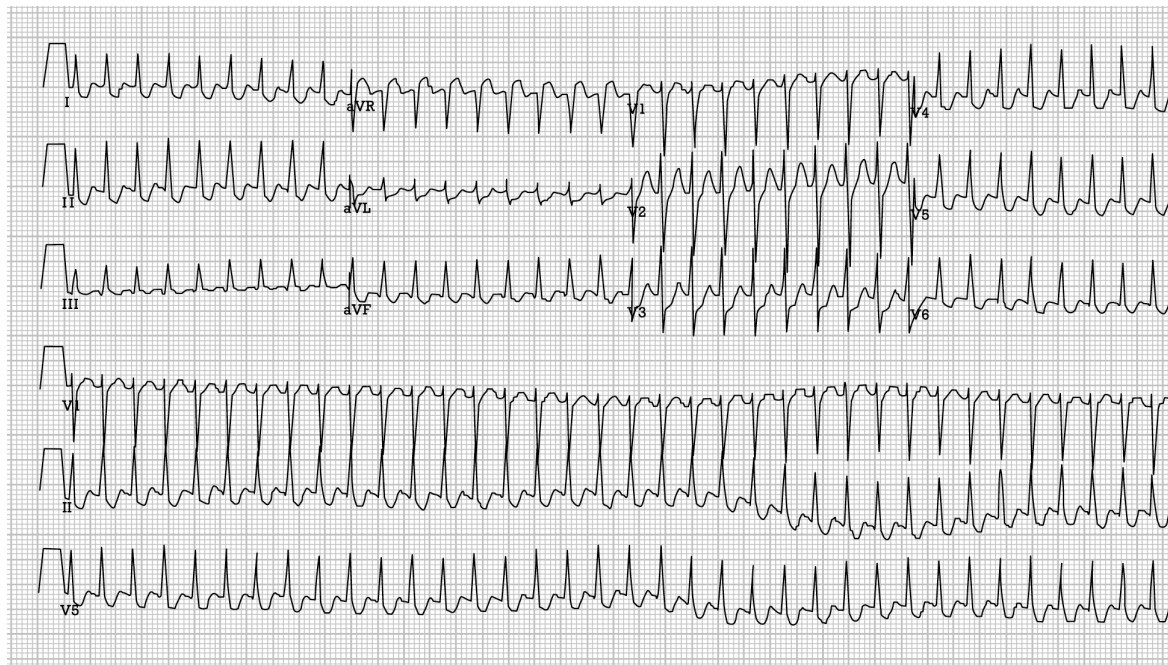
What is the demographic group in which this ECG is most typically found?



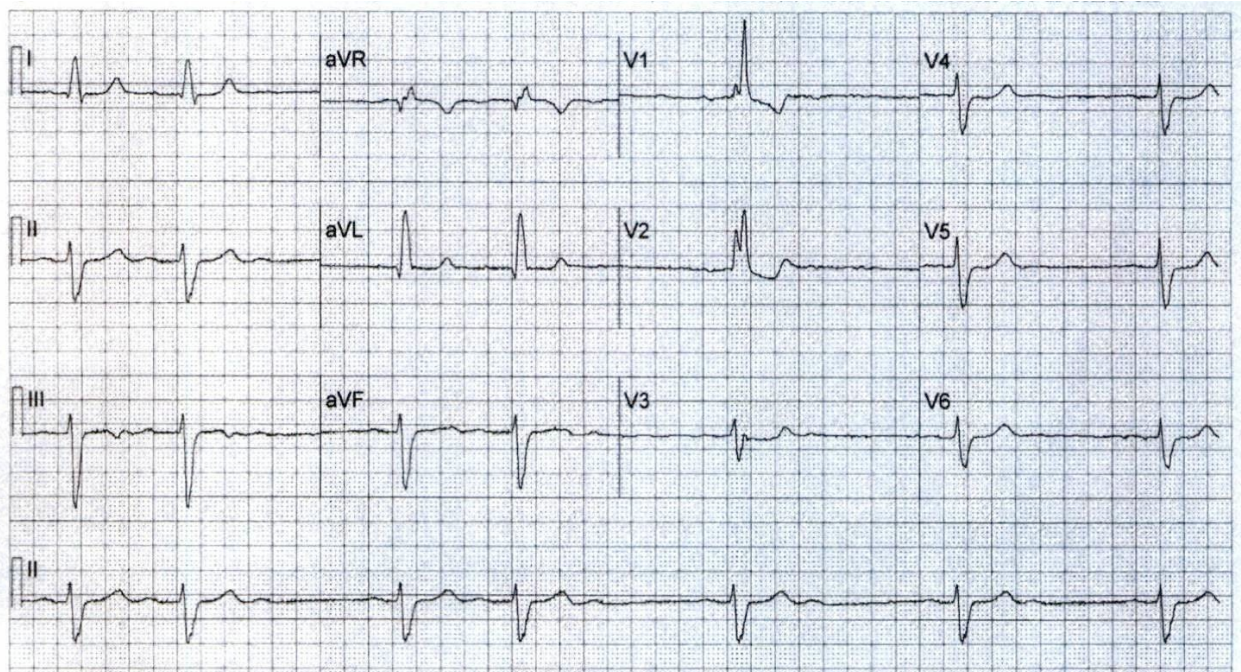
9. 46 yo woman presents with active chest pain. The following ECG is obtained.
What is the ECG diagnosis?



10. A 35 yo M presents with palpitations.
What is the diagnosis?
What is the significance of the ST-segment changes?
Name 5 other causes of STE in lead aVR (3 points)



11. An 80 yo W presents after a syncopal episode. Her ECG is below.
 What is the FULL ECG diagnosis? (3 points)
 Name 4 other causes of a tall R wave in lead V1 (2 points).



12. A 56 yo M presents with ongoing chest pressure with diaphoresis and vomiting. The following ECG is obtained.
 What is the probable diagnosis?

