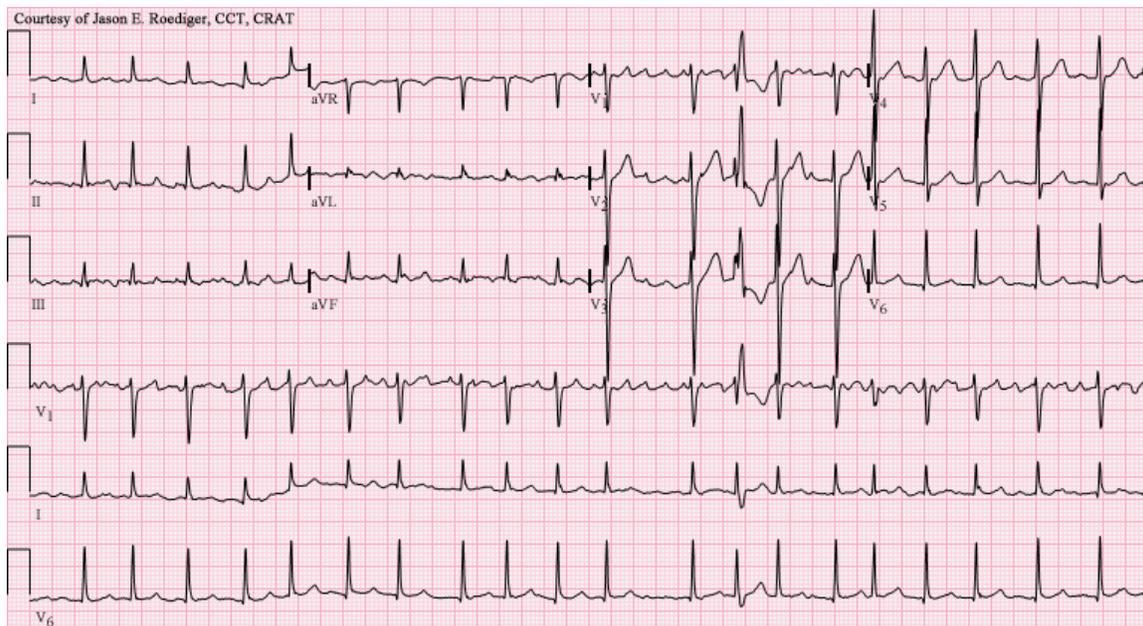


McHenry/Western Lake County EMS  
Region IX  
ACLS Drug Review  
Optional CE Spring 2022

NAME \_\_\_\_\_ Dept. \_\_\_\_\_ DATE: \_\_\_\_\_

You are called to a home residence for a 58-year-old male having chest palpitations. Upon arrival, your he is AOx4, but is diaphoretic and anxious. Pt states that he consumed several cups of coffee this morning and was watching tv at time of onset. Pts blood pressure was 134/82, a rapid and thready pulse, respirations of 16, lungs clear in all fields, glucose of 102, and a pulse oximetry of 96% on room air. You immediately place the patient on your cardiac monitor and the 4 lead shows a rate of 180. You then obtain a 12 lead EKG which shows a rhythm as below:



1) What is your first course of action for this patient?

- A) Vagal maneuvers
- B) Adenosine 6mg, rapid IV push, followed by a 10mL flush
- C) Peripheral IV line with a 500mL bolus
- D) OLMC for the use of Dopamine

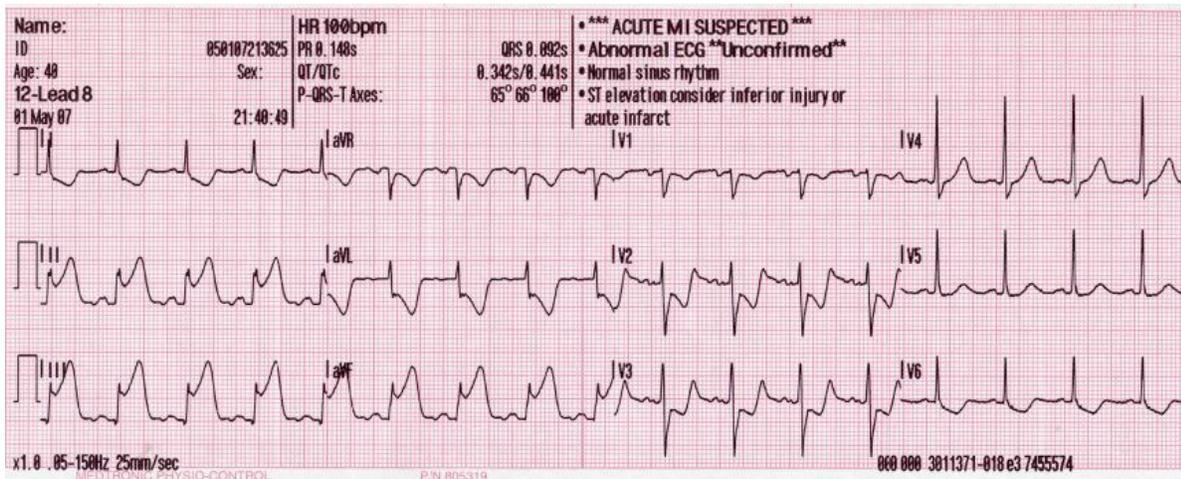
2) If the patient is not responding to the treatment given in question #1, your next course of action should be:

- A) Repeat vagal maneuvers until the heart rate slows
- B) Administer 5mg of Verapamil slowly over 2 minutes
- C) Place PADS on the patient & consider synchronized cardioversion
- D) Administer 2mg of Verapamil IVP

3) What is Lidocaine?

- A) Antiarrhythmic
- B) Local anesthetic
- C) Antihistamine
- D) A & B

4)



You have a 40 year old male patient complaining of sudden onset of chest pain. Pt states that he has a Hx of angina. Pt states that he took (1) of his Nitro pills before your arrival. Pt states that he is still having 7/10 chest pain with radiation to his left elbow. Pt is cool, diaphoretic and pale upon initial assessment. Pt vitals are as follows: B/P 82/54, Pulse 100, respiratory rate of 13, glucose is 80 and pulse oximetry is 95% on room air.

What medications/interventions would be appropriate for this patient?

- A) Nitroglycerine 0.4mg
- B) Peripheral IV and fluid bolus
- C) Nitroglycerine spray 0.8mg
- D) 4mg of Morphine

5) Continued Nitro dosing is indicated?

True/False (Circle One)

6) Epinephrine is a peripheral vasoconstrictor and Bronchodilator which can be used in ALL pulseless cardiac arrests, VF, Pulseless VT, PEA.

True/False (Circle One)

7) You need to administer the Beta dose of dopamine to a patient who just obtained ROSC, where a NS bolus has not been effective. The patient weighs 256 lbs. What is the drip rate for this patient receiving the Beta dose?

- A) 25 drips per minute
- B) 23 Drips per minute
- C) 13 Drips per minute
- D) 21 drips per minute

8) Elevation in Leads II, III, AvF would show a/an \_\_\_\_\_ MI and should not be given \_\_\_\_\_?

- A) Lateral wall, Nitroglycerine
- B) Anterior wall, Epinephrine
- C) Septal wall, Nitroglycerine
- D) Inferior wall, Nitroglycerine

9) Adenosine is used to treat symptomatic narrow complex tachycardia (PSVT), patient not responsive to vagal maneuvers. Stable, regular, monomorphic WIDE QRS complex tachycardia unresponsive to Amiodarone (OLMC). Adenosine has a very short half-life on the red blood cell. This why we INITIALLY administer the drug as follows:

- A) 12mg followed by a 20mL flush
- B) 6 mg followed by a 10 mL flush
- C) 18 mg mixed with 250 mL of D50
- D) 3 mg followed by 6 mL flush

10)



Your patient presents with the above rhythm. What medication is indicated to manage this patient?

- A) Amiodarone
- B) Epinephrine 1:10,000
- C) Verapamil
- D) Magnesium Sulfate

11) What is the appropriate dosing when administering Mag Sulfate for Torsades de Pointe?

- A) 2 Gm mixed with 16ml NS slow IVP
- B) 2 Gm followed by a 20 mL flush
- C) 4 Gm mixed with a 10 mL NS
- D) 2 Gm mixed with 100 mL over 10 minutes

12) Aspirin is an antiplatelet, it prevents platelet aggregation. This also makes it act as a blood thinner.

True/False                      (Circle one)

If you are NOT a member of the McHenry Western Lake County EMS System, please include your address on each optional quiz turned into our office. Our mailing address is: Northwestern Medicine – McHenry Hospital EMS, 4201 Medical Center Drive, McHenry, Illinois 60050. We will forward verification of your continuing education hours to your home address.

If you ARE a member of our EMS System, your credit will be added to your Image Trend record. Please refer to Image Trend to see your current list of continuing education credits. Any questions can be addressed to Cindy Tabert at 224-654-0160. Please scan/email your quiz to Cindy Tabert:  
[cynthia.tabert@nm.org](mailto:cynthia.tabert@nm.org)