



06/19/21



# Morning Report with @CPSolvers

Case Presenter: Rafael Medina Case Discussants: CPSolvers family



<p><b>CC:</b> 39 year old male with chest pain</p> <p><b>HPI:</b> One episode of chest pain two days ago. Substernal, squeezing, and pressure like sensation. Occurred suddenly while exercising. Increased in seconds and of intensity 9/10. Subsided in one hour. Worse with recumbency (lying back), and improved by sitting up.</p>	<p><b>Vitals:</b> T: N HR:68 BP:153/93 RR: SpO<sub>2</sub>:100%</p> <p><b>Exam:</b></p> <p><b>Gen:</b> Well, conversant, well-appearing</p> <p><b>HEENT:</b></p> <p><b>CV:</b> JVP normal.</p> <p><b>Pulm:</b> normal</p> <p><b>Abd:</b> normal</p> <p><b>Extremities/Skin:</b> Symmetric strong peripheral pulses in both arms and legs</p>	<p><b>Problem Representation:</b> <b>ENG:</b> 39y w/ HTN p/w sudden onset chest pain which improved spontaneously after an hour. Has negative troponin, ST elevation in V1 and V2 and pain after an exercise stress test.</p> <p><b>ESP:</b> Hombre de 39 años con HTA se presenta con dolor torácico subesternal de inicio y desaparición súbita. Tiene troponinas negativas, un EKG con elevación del ST en V1 y V2 y dolor después de un stress test.</p> <p><b>PQR:</b> Homem de 39 anos hipertenso com dor subesternal súbita que melhorou espontaneamente em 1h, troponina negativa, ECG com elevacao de ST em V1 e V2 e dor após teste de estresse.</p>	
<p><b>Past Medical History:</b> HTN</p> <p><b>Meds:</b> Hydrochlorothiazid e</p>	<p><b>Family History:</b></p> <p><b>Social History:</b></p> <p><b>Health Related Behaviours:</b></p> <p><b>Allergies:</b></p>	<p><b>Notable Labs &amp; Imaging:</b></p> <p><b>Hematology:</b> WBC: Hgb: Plt:</p> <p><b>Chemistry:</b> Na: K: Cl: CO2: BUN: Cr: glucose: Ca: Phos: Mag: AST: ALT: Alk-P: T. Bili: Albumin: Trop- nl</p> <p><b>Imaging:</b> EKG: ST elevation in V1, V2. CXR: Exercise stress test- Pain occurs at maximal exertion and persists after the end of test CT- Aortic dissection extending from the ascending arch to descending aorta in the abdomen</p> <p><b>Final dx- Aortic Dissection</b></p>	<p><b>Teaching Points (Gurleen):</b></p> <ul style="list-style-type: none"> <li><b>CHEST PAIN:</b> Anatomic approach: MSK, skin, nervous, cardiac, pulmonary, aorta, esophagus, mediastinum, referred from GI -Prioritizing emergent causes: 4+2+2: ACS, aortic dissection, tamponade, Takotsubo, pneumothorax, PE, esophageal rupture/impaction -Characterizing the pain, Who is the patient (age, cardiac risk factors)? -If EKG/troponin not diagnostic of ACS → don't delay CT chest</li> <li><b>Collecting clues:</b> Positional (worse lying back), pleuritic → consider pericarditis -Physical exam: tamponade, pneumothorax. Other causes can have nl PE</li> <li><b>PERICARDITIS:</b> 2 of 4 criteria: 1) classic pain pattern 2) pericardial friction rub (only in 1./3 of pts) 3) EKG changes 4) new or worsening pericardial effusion</li> <li><b>SCAD:</b> commonly affects women, predisposing: CTD, post-partum, FMD</li> <li><b>Acute/sudden events:</b> tore (ex: vessel, bleb), block (plaque rupture), electric</li> <li><b>BRUGADA SYNDROME:</b> mutation in Na channel. Type 1 - &gt;2mm STE V1-V3 coved, associated w/ criteria incl syncope, family history of SCD. Type 2 - saddleback shape.</li> <li><b>PRINZMETAL ANGINA:</b> vasospasm, risk factors: smoking</li> <li><b>AORTIC DISSECTION:</b> prioritize when abrupt onset of symptoms, may not always present classically</li> </ul>