

6/17/22 Morning Report with @CPSolvers

Case Presenter: Jane Lock (@kcolenaj) **Case Discussants:** Rabih Geha (@rabihmgeha) and Reza Manesh (@DxRxEdu)

<p>CC: 48yF w/ left sided chest wall pain</p> <p>HPI:</p> <ul style="list-style-type: none"> - 1 week prior tripped and fell on L side - Took Ibuprofen - 1 week later pain acutely worsened and made it difficult to breath due to pain, 10/10, sharp, radiates from L flank to upper abdomen and chest wall - ROS: denies fever, chills, cough, hemoptysis, PND, leg swelling, no recent travel 	<p>Vitals: T: 99F HR:88 BP:126/79 RR:20 SpO₂: 98% in RA</p> <p>Exam:</p> <p>Gen: no acute distress</p> <p>HEENT: wnl</p> <p>CV: no bruising or evidence of trauma on L sided chest, L anterior upper ribs w/ tenderness, normal S1 and S2, no murmurs, no gallops</p> <p>Pulm: clear breath sounds, no dullness to percussion, no wheezing</p> <p>Abd: no distension, no bruising, soft, mild LUQ tenderness</p> <p>Neuro: wnl</p> <p>Extremities/Skin: wnl</p>	<p>Problem Representation: A 48-year-old female p/w L chest wall pain after a fall 1 week prior. PMH of HTN, multiple uterine fibroids and breast implants. FHx positive for breast cancer. PE & Imaging notable for tenderness on L sided chest wall and LUQ pain and L sided pleural effusion.</p>	
<p>PMH:</p> <p>HTN, menorrhagia resulting in chronic anemia, large uterine fibroids;</p> <p>PSH: laparoscopic removal of fibroids, 1 upcoming removal;</p> <p>breast implant 6y ago</p> <p>Med</p> <p>Atenolol, Amlodipin 5mg</p> <p>Iron infusion</p>	<p>Fam Hx:</p> <p>HTN, Grandmother breast cancer, aunt breast cancer, grandpa stroke >70y</p> <p>Health-Related Behaviors:</p> <p>Tobacco 6-8x /d</p> <p>No alcohol or other drugs</p> <p>Allergies:</p> <p>none</p>	<p>Notable Labs & Imaging:</p> <p>Hematology:</p> <p>WBC: 8.9 Hgb:8.2 Hkt 28.2 MCV 70.9 Plt: 238</p> <p>Chemistry:</p> <p>CMP wnl, Troponin negative, Covid negative</p> <p>Imaging:</p> <p>EKG: sinus rhythm, 74/min, no acute ST changes</p> <p>CXR: no fracture, small L pleural effusion</p> <p>Severe pain in deep inspiration, therefore she received CTPA</p> <p>CTPA: b/l upper and lower lobe pulmonary embolism (PE), small L sided pleural effusion</p> <p>CT-abdomen: 12cm enhancing mass on L sided uterus consistent w/ fibroid, b/l lower lobe PE</p> <p>Doppler US: multiple clots in LE</p> <p>Received Eliquis (Apixaban); Suspicious for May-Thurner (Cockett-Syndrome)-Anomaly due to compressing fibroid, 2 miscarriages in past (APLS?)</p> <p>Menorrhagia: Fibroid removal recommended</p> <p>Final dx: Pulmonary embolism leading to pulmonary infarction</p>	<p>Teaching Points (Kirtan):</p> <ul style="list-style-type: none"> ● Approaching chest pain: Inside vs Outside (Heart, Lungs, Mediastinum, Pleura, Pericardium, Ribs, Costochondral cartilage, Intercostal muscles, Cutaneous nerves, Extra-thoracic causes) ● How to put history of trauma into perspective: Rib fracture, Muscle hematoma, Compartment syndrome, intraperitoneal hemorrhage, Arterial dissection and visceral infarctions, splenic hematoma, perinephric hemorrhage, ovarian torsion or cyst, traumatic pleural effusion, implant rupture ● Apparently normal physical examination: Need meticulous evaluation to ensure that visceral organs are not affected. Anatomical approach can guide us further regarding the potential differential diagnosis. ● Interpreting imaging studies: Pleural effusion can signal intrathoracic or extrathoracic causes. Exudative vs Transudative. PE can cause both ● Putting it all together: Bottom line is that, infarction of any organ can lead to severe pain. So always a consideration in case of dramatic presentation.