

8/26/22 Morning Report with @CPSolvers

Case Presenter: Ravi Singh (@ravi7ks) **Case Discussants:** Rabih (@rabihmgeha) and Reza (@DrRxEdu)

<p>CC: 50 y/o M w/shoulder and chest pain for a week</p> <p>HPI: -Hx of DM, HTN, HLD, hypothyroidism. Recently admitted post MVA, discharged 1wk ago. -P/w R shoulder pain, chest pain since discharge. -During past hospitalization, had several rib fractures & hemothorax d/t bleeding intercostal artery. Chest tube placed. -Prior to discharge, developed pain in R shoulder & chest. Pain progressively worsened over last 1wk, associated with limitation of upward movement in shoulder (20/10 pain) -Prior to discharge, reported shakes & profuse sweating</p>		<p>Vitals: T: 37.7 HR: 88 BP: 148/82 RR: 18 SpO₂: Exam: Gen: Uncomfortable appearing, shoulder pain radiating to chest Rest of exam unremarkable. Extremities/Skin: Slight erythema & warmth over R shoulder, swelling w/limited ROM and tenderness to palpation</p>	<p>Problem Representation: 50 y/o M w/PMH of recent MVA, DM, and hypothyroidism p/w "20/10" worsening R shoulder & chest pain for 1wk. MRI reveals subdeltoid bursitis w/abscess, blood cultures come back positive for MSSA bacteremia.</p>
<p>PMH: DM, HLD Hypothyroidism Obesity</p> <p>Meds: Medrol dose pack rx'd by PCP - temporary improvement in symptoms Alprazolam Amlodipine Atorvastatin Clonazepam Glipizide Insulin Levothyroxine</p>	<p>Fam Hx:</p> <p>Soc Hx: Increase in alcohol consumption</p> <p>Health-Related Behaviors:</p> <p>Allergies:</p>	<p>Notable Labs & Imaging: Hematology: WBC: 19.77 (PMN predominant) Hgb: 10.7 Plt: 599</p> <p>Chemistry: Na: 130 K: 4.8 CO2: 27.5 BUN: 21 Cr: 1.23 (baseline ~1) glucose: 207 AST: ALT: Alk-P: normal Troponin: nl</p> <p>Imaging: CT with contrast: No fracture. MRI: subdeltoid bursitis with abscess formation resulting in moderate distention and myositis. Microabscesses under fibers communicating w/bursa. Reactive edema. Moderate osteoarthritis of AC joint. Possible evidence of septic arthritis. Blood cultures: MSSA bacteremia.</p>	<p>Teaching Points (Yazmin):</p> <ul style="list-style-type: none"> • First of all: Rule out fx, dissections or organ rupture. • 4 + 2 + 2 → EKG and Troponins! • Determine if shoulder pain is due to sepsis, gout, tumor. • Can sympathetic toxicity lead to sweats and shakes? Yes → Alcohol withdrawal, cocaine, bath salts, MDMA • Joint pain approach: arthralgia or arthritis and rule out first fx or infectious process → imaging (REMEMBER: 5% of X-rays may miss fx!) • Monoarticular arthritis → swelling, erythema • Make a ddxx between sepsis and crystalline dx. In every px with effusion • In hemorrhagic effusions + inflammation: you can think Basic Calcium Phosphate (BCP) OR CPP (crystal deposition diseases) <ul style="list-style-type: none"> ◦ CPP: Acute attack of pain and swelling, monoarthritis, can be triggered by trauma, surgery or acute illness. • Septic arthritis → Time is joint function, risk factors are DM, traumatic injury, hospitalization. • Synovial fluid sample approach: On the synovial fluid sample, a polymorphonuclear cell count of at least 90% suggests septic arthritis with an LR of 3.4 (95% CI, 2.8-4.2) <ul style="list-style-type: none"> ◦ Staph aureus is the most common in adults ◦ Classic triad: fever + joint pain + decreased range of motion ◦ Treat with nafcillin or cefazolin for MSSA ◦ Look at all IV sites, look for thrombophlebitis.