

1/27/22 Morning Report with @CPSolvers

Case Presenter: Alec Rezigh (@ARBezMed) **Case Discussants:** Sharmin and Rabih

<p>CC: Back Pain</p> <p>HPI: 70M presenting with back pain. Well until 3 weeks ago. Gradually worsening dull, lower, midline back pain with radiation to thighs and calves bilaterally.</p> <p>Unable to ambulate without a walker. NSAIDs and tramadol were ineffective.</p> <p>No numbness, weakness, bowel or bladder incontinence. No fevers, chills. Did have 5lb weight loss.</p>	<p>Vitals: T: AF HR: 80 BP: 140/80 SaO2: Normal BMI: 28</p> <p>Exam:</p> <p>Gen: Comfortable. Minimal movement due to discomfort with movement</p> <p>HEENT: No LAD</p> <p>CV: Normal</p> <p>Pulm: Normal</p> <p>Abd: Normal</p> <p>Neuro: AO x 3, CN normal. 5/5 in all extremities. +Straight leg raise. 2+ symmetric reflexes in Upper & Lower. Normal sensation.</p> <p>MSK: TTP lower spinous processes (lumbar and sacral)</p>	<p>Problem Representation: 70M w/ PMH of HTN, DM, GERD and HLD p/w worsening dull lower midline back pain for 3 weeks. Found to have small monoclonal spike on SPEP.</p>		
<table border="1"> <tr> <td data-bbox="21 625 199 1177"> <p>PMH: HTN DM GERD HLD</p> <p>Meds: Metformin Sitagliptin Gabapentin Atorvastatin Glimepiride Lisinopril HCTZ Omeprazole</p> </td> <td data-bbox="199 625 558 1177"> <p>Fam Hx: DM only</p> <p>Soc Hx: Works in construction. Originally from El Salvador. Moved to US 20 years ago</p> <p>Health-Related Behaviors: 30 pack year tobacco history. Stopped 20 years ago</p> <p>Allergies:</p> </td> </tr> </table>	<p>PMH: HTN DM GERD HLD</p> <p>Meds: Metformin Sitagliptin Gabapentin Atorvastatin Glimepiride Lisinopril HCTZ Omeprazole</p>	<p>Fam Hx: DM only</p> <p>Soc Hx: Works in construction. Originally from El Salvador. Moved to US 20 years ago</p> <p>Health-Related Behaviors: 30 pack year tobacco history. Stopped 20 years ago</p> <p>Allergies:</p>	<p>Notable Labs & Imaging:</p> <p>Hematology: Plt: 455 (elevated); Chemistry: Normal</p> <p>A1c: 10%; HIV: Negative</p> <p>UA: No proteinuria, hematuria, pyuria</p> <p>XR L-Spine: Multilevel spondylosis, otherwise no abnormalities</p> <p>CXR: Bilateral, small pulmonary nodules. Some emphysema.</p> <p>CT A/P (obtained for renal colic): 2x3x5cm expansile destructive mass in the sacrum replacing most of the vertebral body and eroding into the disc space.</p> <p>MRI: Hyperintense T1/T2 lesion seen, similar to CT</p> <p>CT Chest: Small pulmonary nodules and mild emphysema.</p> <p>PTH, PSA, Uric Acid: Normal SPEP: Small monoclonal spike in Lambda region; SFLC: Slightly elevated, normal ratio.</p> <p>UPEP: Negative, Quantiferon-Gold: Negative. Skeletal survey: Neg</p> <p>FINAL DX: Solitary Plasmacytoma seen on biopsy of spinal mass</p>	<p>Teaching Points (Rafa):</p> <ul style="list-style-type: none"> ● BACK PAIN <u>Primary vs secondary?</u> <u>Age (younger - ankylosing spondylitis)?</u> <u>Tempo?</u> <u>Most common cause</u> Musculoskeletal derangements <u>Any red flags?</u> Pain at night, fever, chills, weight loss significant PMH (cancer/immunosuppression) , no response to previous therapy, neurologic deficits <u>Different categories:</u> Spinal stenosis, spondyloarthropathy, metastasis (eg, prostate cancer), vertebral osteomyelitis, degenerative (osteoarthritis) , radiculopathy (eg, disc herniation), primary bone malignancy ● BASIC LABS <u>ESR? CRP?</u> - if elevated, consider imaging - (eg, X-ray, MRI) If not - watch and observe <u>Elevated platelets</u> Probably secondary to inflammation - less likely PV ● BONE LESION <u>Infection? Malignancy?</u> El Salvador - TB (upper spine) / Brucella (low spine) Malignancy - osteoblastic (prostate cancer)/ osteolytic (multiple myeloma, melanoma) / mix (GI, breast) <u>Pearl:</u> >50 yo - chance of increasing of finding a benign monoclonal spike <u>Solitary plasmacytoma</u> - No CRAB - chance of progressing to MM
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