



09/28/21 Morning Report with @CPSolvers



Case Presenter: Rafa Medina 🧑 (@rafameed) Case Discussants: Jack 🧑 and CPS chat 🗣️

<p>CC: 48 yo F w/ facial hair and acne</p> <p>HPI: 2 month history of virilization. She first noticed acne on face and upper back. Then, it was followed by development of hair on chin and both angles of jaw. 1 month later, her voice got deeper and over the past 2 weeks, she starting develop progressive SOB</p>	<p>Vitals: T: 36.7 HR: 80 BP: 110/81 RR: 20 SpO₂: 97% room air</p> <p>Exam: Gen: Hirsutism HEENT: Cushingoid appearance on face CV: Unremarkable Pulm: Diminished air over the LLL Abd: Soft, non tender, <u>non palpable masses found</u> Neuro: Unremarkable Extremities/Skin: Unremarkable</p>	<p>Problem Representation: 48 yo F w/ new onset hirsutism, acne, and SOB. Labs noticeable for hypokalemia and mild hyponatremia.</p>	
<p>PMH: The evaluation of her primary care physician revealed new onset of BP elevation and hypokalemia (2.3 mEq/L). So, the physician made an ED reference</p> <p>Meds:</p>	<p>Fam Hx:</p> <p>Soc Hx:</p> <p>Health-Related Behaviors:</p> <p>Allergies:</p>	<p>Notable Labs & Imaging: Hematology: WBC: 6.8 Hgb: 11.7 Plt: 394 Chemistry: Na: 133 K: 2.2 Cl: 99 CO2: BUN: Cr: 0.8 glucose: 123 Ca: nl Phos: nl Mag: nl AST: nl ALT: nl Alk-P: T. Bili: Albumin: 3.4 Bicarb: 23 INR, PTT: normal Pleural LDH: 624 Serum LDH: 168 Renin:Aldosterone ratio: nl. UA metanephrines: negative. Urinary cortisol: 5x > ULN</p> <p>Imaging: EKG: Sinus rhythm with U waves. CXR: LLL pleural effusion K+ was aggressively replaced but continuously run low CT: 6.5 x 6.9 cm mass in the R adrenal gland w/ features suggestive of carcinoma > adenoma. Enlarged lymph nodes throughout abdomen. Lung findings consistent w/metastatic lesions</p> <p>Final diagnosis: <u>Metastatic adrenocortical carcinoma</u></p>	<p>Teaching Points (Dani Cal):</p> <ul style="list-style-type: none"> ● Development of traits and symptoms that are classic to Males: Tempo (acute or chronic), Hormones (menses and characteristics) Endocrinologic vs Malignancy ● Elevated androgenic hormone: Facial hair, acne ● What can mediate BP (Hypertension) and potassium levels (Hypokalemia)? Are there other symptoms/signs? Hyperaldosteronism Hypercorticooidism ● What can cause all these manifestations to happen? SOB: Cardiac disease + Hypertension or pulmonary process? Other coexisting causes (obesity)? ● Exam and Labs: Ovarian cancer → BP, pleural effusion Meigs syndrome: Ovarian cancer/mass, pleural effusion and ascites Endocrine → Neuroendocrine tumors: Hormone disbalance/excess ● Pleural Effusion: Exudative → ACTH production (tumors in pulmonary space) Thoracentesis before CT-scan for better visualization ● Adrenal mass: Investigate more or Surgery? Incidentaloma? Sampling + distant possibly metastatic lesions + characteristics on imaging ● Primary tumor: Location ● Adrenocortical carcinoma: Late diagnosis