

04/06/25 Morning Report with @CPSolvers

"One life, so many dreams" Case Presenter: Hee Mun(@HeeMun8) Case Discussants: Julia(@JuliaSchlender1) and Vijay (@vijaybramhan)

<p>Scribing (Nikola) CC: 22 y/o F presents for irregular menses (Menarche at 14), and OCP (Yaz).</p> <p>HPI: 22 F with menarche at 14 and previously regular cycles. In 2022 had 1 year of amenorrhea, after stress and 10 kg weight gain, followed by irregular menses and severe acne unresponsive to doxy/isotretinoin. Started Yaz 6 months ago for acne, resulting in prolonged heavy bleeding (14 days - 8 pads/day)</p> <p>ROS: Hair thinning, 14 kg weight gain, headache, chest palpitation, no edema, nights sweat, dysuria</p>	<p>Vitals: WNL BMI: 30 Exam: HEENT: nl (no pallor, no visual field defects, no bitemporal hemianopia, no thyromegaly) CV: RRR, WNL Abd: mild bloating Neuro: no focal deficit, normal DTR MSK: Cystic acne, mild hirsutism (Ferriman-Gallwey score 12/36 - face, chin, back), acanthosis nigricans in axillae</p> <p>Notable Labs & Imaging: Hematology: WBC: Hgb: 11 (low -> iron deficiency)</p> <p>Chemistry CMP WNL, TSH/T4 WNL, Prolactin 35 (high), LH:FSH WNL with LH:FSH ratio (2:1 -> elevated), Testosterone and DHEAS (high), Cortisol 26 (high), fasting insulin (high), and HbA1c normal, lipid panel TG and LDL high</p> <p>Dexamethasone suppression test negative Patient complains of visual defects</p> <p>Imaging: MRI: WNL (no cerebral sinus thrombosis or prolactinoma) Pelvic US: > 15 small follicles in both ovaries, ovarian volume 11 cc, non-fatty liver. No mass.</p> <p>PCOS Dx = 2 out of 3 criteria: <ul style="list-style-type: none"> - Irregular periods (>35 days, anovulation) - High androgens (acne, hirsutism, high testosterone) - Polycystic ovaries on US (25 or more follicles or >10 mL) Dx: PCOS Tx: Metformin and Spironolactone</p>	<p>Problem Representation: 22 y/o F presents with irregular menses, hirsutism, acne and acanthosis nigricans is found to have high testosterone levels, a high LH to FSH ratio and several small follicles in both ovaries on pelvic US.</p> <p>Teaching Points(Minahil):</p> <ul style="list-style-type: none"> Approach to irregular menses-History: menstrual pattern, changes in weight, medication Hx, drug abuse Hx ,timings- why pt presenting now? When did irregularity start? , assoc symptoms - hot flashes,acne, fatigue,galactorrhea Initial Investigations:Thyroid levels, pregnancy test, d dimer , prolactin level,FSH/LH,testosterone -Signs of hyperandrogenism + weight gain + irregular menses->think PCOS but if also with central obesity striae,mood swings,consider Cushing's->cortisol workup 1).Low cortisol in morning(peak time) suggest adrenal insufficiency , 2)High cortisol at night (when it should be low) suggests Cushing's -Celiac disease is autoimmune disease ,commonly coexist with T1DM,autoimmune thyroiditis Antipsychotics-dop antagonism->incr prolactin->menstrual changes Acanthosis nigrican signals insulin resistance,screen with HbA1c,fasting glu , lipid panel PCOS diagnostic criteria(two of the three criteria)1.Irregular menstrual cycle, 2.Clinical signs of hyperandrogenism-acne/hirsutism,3.positive ultrasound findings <p><i>Most common endocrine disorder in young females is PCOS followed by thyroid.</i></p> 
<p>PMH: Acne, generalized anxiety Coeliac disease</p> <p>Meds: Escitalopram</p>	<p>Fam Hx: Endometriosis (mother and sister), celiac disease</p> <p>Soc Hx: non sexually active, smoking</p> <p>Imaging: MRI: WNL (no cerebral sinus thrombosis or prolactinoma) Pelvic US: > 15 small follicles in both ovaries, ovarian volume 11 cc, non-fatty liver. No mass.</p> <p>PCOS Dx = 2 out of 3 criteria: <ul style="list-style-type: none"> - Irregular periods (>35 days, anovulation) - High androgens (acne, hirsutism, high testosterone) - Polycystic ovaries on US (25 or more follicles or >10 mL) Dx: PCOS Tx: Metformin and Spironolactone</p>	