



07/31/21 Morning Report with @CPSolvers



Case Presenter: Thiago Mendes (@MendesThiagoB) Case Discussants: Gabriela Pucci (@GabiFPucci) and Rabih Geha (@RabihMGeha)

<p>CC: Lack of menstruation HPI: 13 y female with no menstruating and undeveloped body. October 20 referred by gynecologist she had infantile uterus. She felt bad comparing with friends</p>	<p>Vitals: T: HR:BP: RR: SpO₂: Height: 1.56 cm, Weight: 39.9 BMI: 16.2 Exam: Gen: Taner:M1P1, Rest of the examen normal HEENT: Normal CV: Normal Pulm: Normal Abd: Normal Neuro: Normal Extremities/Skin: Normal Vagina: N, no signs of virilization</p>	<p>Problem Representation: ENG: 13 F p/w lack of menstruation and infantile uterus. Elevated FSH. Normal Karyotype. DX: Gonadal dysgenesis with XX. ESP: 13 F con ausencia de menstruación y útero infantil. FSH elevado. Cariotipo normal. Dx: Disgenesia gonadal con XX. POR: 13 M com ausencia de menstruacao e utero infantil. FSH elevado. Cariotipo normal. Dx: Disgenesia gonadal.</p>		
<table border="1"> <tr> <td data-bbox="23 616 177 1083"> <p>Past Medical History: None</p> <p>Meds: None</p> </td> <td data-bbox="177 616 370 1083"> <p>Family History: Menarche of mother 10. Sister 17 and had menarche at 11. Father side had menarche at normal time.</p> <p>Social History:</p> <p>Health Related Behaviours:</p> <p>Allergies:None</p> </td> </tr> </table>	<p>Past Medical History: None</p> <p>Meds: None</p>	<p>Family History: Menarche of mother 10. Sister 17 and had menarche at 11. Father side had menarche at normal time.</p> <p>Social History:</p> <p>Health Related Behaviours:</p> <p>Allergies:None</p>	<p>Notable Labs & Imaging: Hematology: WBC: Hgb: Plt:</p> <p>Chemistry: Na: K: Cl: CO2: BUN: Cr: glucose: Ca: Phos: Mag: AST: ALT: Alk-P: T. Bili: Albumin: Estrogen less than 20 FSH: 137.3 LH:27.46 TSH: 2.3</p> <p>Imaging: EKG: CXR: US: Uterus of 3.9 cc right ovary 0.8 cc and left 0.6cc. Karyotype: XX in all cells Dx: Gonadal dysgenesis XX Started in Progesterone and breast development</p>	<p>Teaching Points (Vale):</p> <ul style="list-style-type: none"> • Delayed Puberty: Is it really delayed? -> Determine Tanner stage, growth curve, history from parents. The absence of breast suggests an absence of estrogens. • Primary Amenorrhea: Absence of menarche and secondary sexual characteristics by 13 y/o or presence of 2ry characteristics by 15 y/o. • Amenorrhea: 1ry (congenital-gonadal dysgenesis, Turner syndrome vs acquired-autoimmune) vs 2ry. <p>Hypogonadism: Low estrogen.</p> <ul style="list-style-type: none"> - Peripheral-Hypergonadotropic (High LH, FSH): Ovarian Insufficiency, Hypothyroidism. - Eugonadotropic Eugonadism: Signs of androgen excess (hirsutism, acne). Includes PCOS. - Central-Hypogonadotropic (Low LH, FSH): Pituitary (autoimmune, empty sella, infiltrative, prolactinoma, medications), Hypothalamus (eating disorder, functional, infection, Kallmann syndrome). <p>Collecting clues: Presence of uterus and ovaries: Mullerian duct development (rules out Mullerian Agenesis, 5-alpha reductase deficiency). MRKH Syndrome absence of internal organs (1ry amenorrhea), but normal 2ry sexual characteristics.</p> <ul style="list-style-type: none"> • Primary Ovarian Insufficiency: Most common Turner Syndrome. Other causes: gonadal dysgenesis (normal karyotype). • Transmasculine patients can prefer gender neutral terms for certain anatomical parts (Ex. Use internal organs, rather than uterus or ovaries, external opening, rather than vagina). But, most importantly: Ask!
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