

## Gynecology case study # 12

A 25 year old nulligravid consulted in your clinic because of primary amenorrhea. She is a college graduate, and employed as an office clerk in a multinational company. She is married to a 30 year old salesman for 3 years now and they wanted to investigate further their inability to conceive. The patient has not had any work-ups nor treatment before this consult.

On physical exam, she has stable vital signs, BMI of 25 kg/m<sup>2</sup>. Her height is 4 feet 8 inches. She has a short neck with low hairline; shield-shaped thorax with widely spaced nipples. Breast development is Tanner 1.

On examination of the genitalia: Normal external genitalia, normal vagina and cervix; uterus is small; no adnexal masses nor tenderness noted; rectovaginal exam is normal.

Transvaginal ultrasound: Infantile uterus with rudimentary ovaries

### QUESTIONS:

1. What is your complete diagnosis? Defend your diagnosis (state basis)
2. What other laboratory work-ups will you request to investigate this condition?
3. Discuss the pathophysiology of this condition? Give the differential diagnosis
4. How will you manage this patient?
5. How will you address the issue on infertility?