

## REI Case 1

### Part B

Ms. K returns to clinic today to discuss the results of the tests you ordered at the last visit. Below is a table of the test results and the reference ranges for some of the tests:

Test	Result	Reference Range
Prolactin (ng/ml)	6	Premenopausal: <25 ng/mL Postmenopausal: <20 ng/mL
TSH (uIU/mL)	1.462	0.400 - 5.000
Total testosterone (ng/mL)	0.5	0.0 - 0.7
DHEAS (mcg/dL)	178	45 – 328
FSH (mIU/mL)	4	
ACTH (pg/mL)	14	0 – 46
Fasting lipids (mg/dL)		
Total cholesterol	202	
HDL	37	
LDL	125	
Triglycerides	201	
2 hour GTT (mg/dL)	Fasting 99 2 hour post 116	

#### Radiology:

The pelvic ultrasound showed an anteverted uterus measuring 9.0 x 5.8 x 4.9 cm, volume 133.8cc. Endometrial stripe thickness was 25mm and was hypervascular with multiple cystic foci. The ovaries were not visualized.



Thickened Endometrium by Pelvic Ultrasound (Image provided by Brenda S. Houmar, MD PhD, University of Washington, Seattle, Washington)

## Case Questions:

1. Were all of these studies necessary?
2. What is your interpretation of these results? What is her diagnosis?
3. What is your basis for the diagnosis you have made?
4. How will you address the issue of her infrequent periods?
5. Will you consider an endometrial biopsy? Why or why not? Is there data to support your opinion?
6. How will you help her with hirsutism?