





Adrenal Hormone Profile (Dried Urine)

Comments:










Creatinine: 201 mg/dL 

Collection Times: 05:56 AM, 08:09 AM, 03:16 PM, 09:02 PM




Androgens

	µg/g Creatinine		Reference Range
DHEA	33	L	
Androsterone	1507		
Etiocholanolone	886		

Glucocorticoids

	µg/g Creatinine		Reference Range
Pregnanetriol	447		
Cortisone (E)	69		
Cortisol (F)	59		
Tetrahydrocortisone (THE)	2547		
Allo-Tetrahydrocortisol (5α-THF)	1586		
Tetrahydrocortisol (THF)	1246		
<i>Adrenal Reserve (THE+5α-THF+THF)</i>	5379		
11β-Hydroxyandrosterone	1027	H	
11β-Hydroxyetiocholanolone	218		

Mineralocorticoids

	µg/g Creatinine		Reference Range
Allo-Tetrahydrocorticosterone (5α-THB)	249		
Tetrahydrocorticosterone (THB)	88		
11-Dehydrotetrahydrocorticosterone (THA)	72		



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Test Code: **4994**

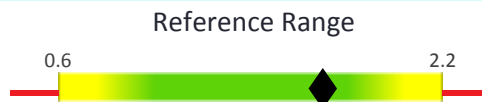
Patient Name:

Enzyme Activity Phenotype Assessment

5 α -Reductase

Andro/Etio Ratio

1.70



5 α -THF/THF Ratio

1.27



Elevated 5 α -reductase activity is associated with Polycystic Ovarian Syndrome (PCOS) and hirsutism in women, Benign Prostatic Hyperplasia (BPH) and premature baldness in men, and obesity and insulin resistance in both genders. Low 5 α -reductase activity may result in reduced conversion of testosterone to DHT and undervirilization in males.

11 β -HSD II (11 β -hydroxysteroid dehydrogenase II)

Cortisol/Cortisone Ratio (11 β -HSD II)

0.86



11 β -HSD II is predominantly a renal enzyme. It inactivates cortisol in order to prevent competitive binding to mineralocorticoid receptors. Its activity can be measured by the ratio of cortisol/cortisone. An elevated ratio (toward right on the graph) indicates suppressed enzyme activity, and may be clinically related to stress, hypertension, high dose licorice, cortisol administration, or insulin resistance.



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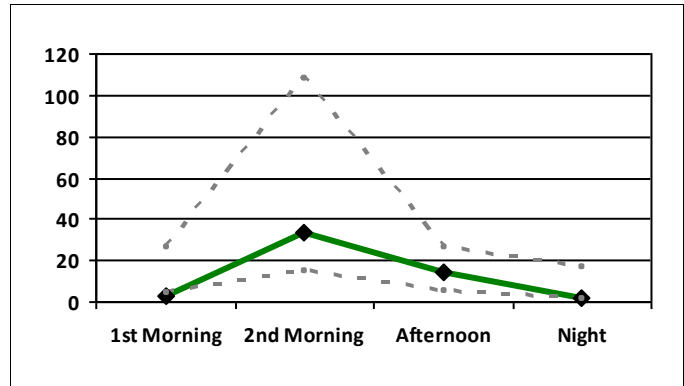
Test Code: 4994

Patient Name:

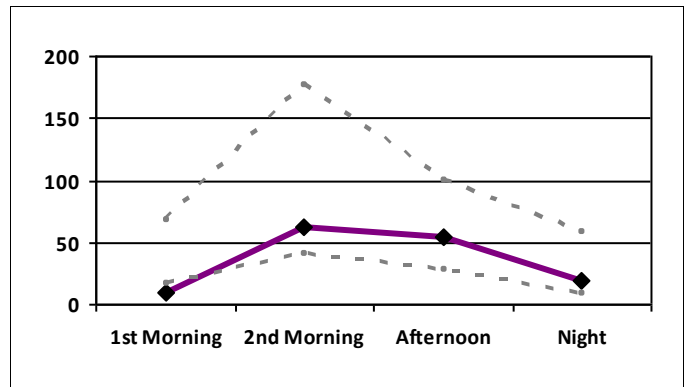
4-Point Cortisol and Cortisone

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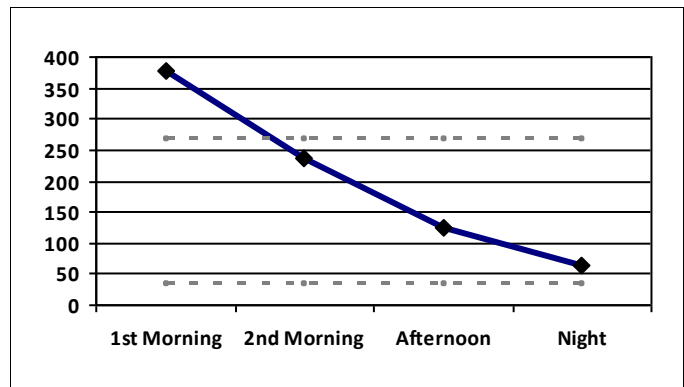
Cortisol	µg/g	Range
1st Morning	2.7 L	4.4 - 26.9
2nd Morning	34.0	15.5 - 108
Afternoon	14.0	6.2 - 26.7
Night	2.0	1.8 - 17.7



Cortisone	µg/g	Range
1st Morning	8.8 L	18.2 - 69.3
2nd Morning	63.1	41 - 177.1
Afternoon	53.7	28.4 - 101.3
Night	19.7	10.3 - 58.8



Creatinine	mg/dL	Range
1st Morning	377 H	35 - 270
2nd Morning	238	35 - 270
Afternoon	124	35 - 270
Night	63	35 - 270



----- Upper and lower limits of reference range.

