

Diagnos-Techs, Inc.

Clinical & Research Laboratory
 PO BOX 389662, Tukwila, WA 98138-0662
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 CLIA License # 50D0630141

Accession # 04-75603

Received : 12/02/2004
 Completed: 12/08/2004
 Reported : 12/08/2004

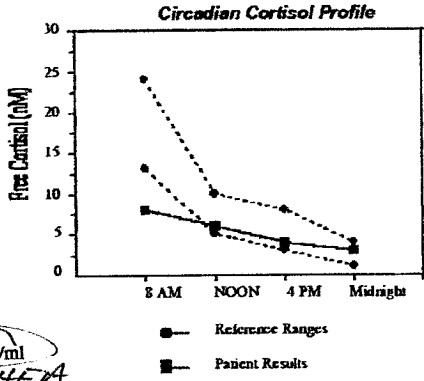
BRIAN POPIEL, ND
 5895 E TIERRA BUENA LANE
 SCOTTSDALE AZ 85254
 USA Tel: 480-221-0203 Fax: 1-480-657-6938

Results For:
 ANNA
 Age: 52 Gender: Female
 Patient's Tel:
 Specimen Collected: 11/29/2004

Test	Description	Result	Ref Values
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NLASI CUSTOM ASI

TAP	Free Cortisol Rhythm	8	Depressed	13-24 nM
07:00 - 08:00 AM				
11:00 - Noon		6	Normal	5-10 nM
04:00 - 05:00 PM		4	Normal	3-8 nM
11:00 - Midnight		3	Normal	1-4 nM
Cortisol Burden:		21		23 - 42

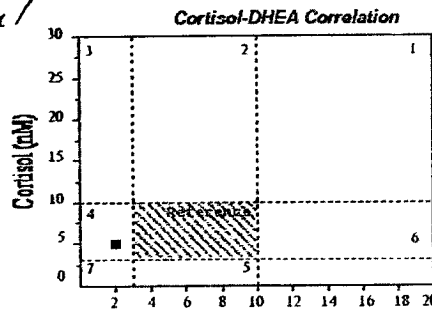


DHEA Dehydroepiandrosterone

2 Depressed DHEA Adults (M/F): 3-10 ng/ml
 Low cortisol output + Low DHEA suggest low adrenal output.

KEY: CORTISOL-DHEA CORRELATION

1. Stress adapted "Hyper" response; minimal change.
2. Stress adapted with a divergence in response to ACTH.
3. Maladaptation Phase I.
4. Maladaptation Phase II.
5. Adrenal fatigue, non-adapted.
6. Inappropriate DHEA(S) value.
7. Adrenal failure.



Patient Result Interpretations

Depressed morning cortisol, < 13 nM, is suggestive of marginal HPA performance.
 Normal rhythms exhibit highest cortisol value for the day at 7 - 8 AM.
 Morning cortisol augmentation, or 11 Beta HSD inhibitors, as in licorice, worth consideration.
 Minimal cortisol rhythm; cortisol augmentation and anabolic support suggested.

Diagnosis Code: 359.9 780.79

Please Note: All examples of patient treatment or therapy are for illustrative and/or educational purpose. Use this report in context of the clinical picture before initiating hormone or other therapies.

COURTESY INTERPRETATION of test and technical support are available upon request, to Physician Only

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ANNA
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Code	Test Name	Result / Notes	Reference Values/Key
AND	Androstenedione	88	Borderline Low: 75-124 pg/ml Normal: 125-274 pg/ml Borderline High: 275-400 pg/ml
E1	Estrone	63	Normal for Age: 26-64 pg/ml
E2	Estradiol	10	Postmenopause-No HRT: 1-4 pg/ml HRT Target Range: 5-13 pg/ml
E3	Estriol	27	Postmenopause-No HRT: 7-18 pg/ml * HRT Target Range: 14-38 pg/ml * Cycling Female: 12-25 pg/ml *
P1	Progesterone	>1000 Outside Source	Postmenopause-No HRT: 5-95 pg/ml HRT Target Range: 100-300 pg/ml
P17-OH	17-OH Progesterone	32 Normal	Adults Optimal: 22-100 pg/ml Borderline: 101-130 pg/ml Elevated: >130 pg/ml
TTF	Free Testosterone	5 Borderline Low	Borderline: 5-7 pg/ml Normal: 8-20 pg/ml

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Code	Test Name	Values	Provisional Ranges
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Saliva Thyroid Research Study

ft3	Triiodo-thyronine	T3 0.29 Normal ↑	Borderline Low: 0.21-0.27 pg/ml Normal: 0.28-1.10 pg/ml
ft4	L-Thyroxine	T4 0.22 Normal	Normal: 0.17-0.42 ng/dl

(Low Normal)