

Specimen Number 285-129-1438-0	Patient ID 24587	Control Number M289000960	Account Number 02111760	Account Phone Number 480-614-2322	Rte
Patient First Name ANNA			Patient Middle Name		
Total Volume			Account Address Sonoran Naturopathic Center 9316 E Raintree Dr Ste 140 SCOTTSDALE, AZ 85260		
Sex F		Fasting Yes			
Additional Information UPIN: 3R6198					
Date and Time Collected 10/12/10 08:31	Date Entered 10/13/10	Date and Time Reported 10/21/10 15:12ET	Physician Name Popiel, Brian	NPI	Physician ID 3R6198

Tests Ordered

CBC With Differential/Platelet;Comp. Metabolic Panel (14);CBG with Free Cortisol;Lipid Panel;Iron and TIBC;Testosterone,Free and Total;Vitamin B12 and Folate;Dihydrotestosterone;Renin Activity and Aldosterone;Antidiuretic Hormone Profile;Vitamin D, 25-Hydroxy;Estradiol;Hemoglobin A1c;TSH;C-Reactive Protein, Cardiac;Dehydroepiandrosterone Sulfate;Homocyst(e)ine, Plasma;GGT;Thyroxine (T4);Sedimentation Rate-Westergren;Prealbumin;Insulin;Estrone, Serum;Ferritin, Serum;Magnesium, Serum;Osmolality;Reverse T3;Triiodothyronine,Free,Serum;Progesterone;C-Reactive Protein, Quant

General Comments

PID:

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
CBC With Differential/Platelet					
WBC	6.2		x10E3/uL	4.0-10.5	01
RBC	4.82		x10E6/uL	3.80-5.10	01
Hemoglobin	14.6		g/dL	11.5-15.0	01
Hematocrit	43.9		%	34.0-44.0	01
MCV	91		fL	80-98	01
MCH	30.3		pg	27.0-34.0	01
MCHC	33.3		g/dL	32.0-36.0	01
RDW	13.0		%	11.7-15.0	01
Platelets	274		x10E3/uL	140-415	01
Neutrophils	60		%	40-74	01
Lymphs	26		%	14-46	01
Monocytes	11		%	4-13	01
Eos	3		%	0-7	01
Basos	0		%	0-3	01
Neutrophils (Absolute)	3.7		x10E3/uL	1.8-7.8	01
Lymphs (Absolute)	1.6		x10E3/uL	0.7-4.5	01
Monocytes (Absolute)	0.7		x10E3/uL	0.1-1.0	01
Eos (Absolute)	0.2		x10E3/uL	0.0-0.4	01
Baso (Absolute)	0.0		x10E3/uL	0.0-0.2	01
Comp. Metabolic Panel (14)					
Glucose, Serum	98		mg/dL	65-99	01
BUN	16		mg/dL	5-26	01
Creatinine, Serum	0.85		mg/dL	0.57-1.00	01
eGFR	>59		mL/min/1.73	>59	01

ANNA	24587	285-129-1438-0	Seq # 6467
------	-------	----------------	------------

Specimen Number 285-129-1438-0	Patient ID 24587	Control Number M289000960	Account Number 02111760	Account Phone Number 480-614-2322	Rtc
Patient First Name ANNA			Patient Middle Name		
Total Volume			Account Address Sonoran Naturopathic Center 9316 E Raintree Dr Ste 140 SCOTTSDALE, AZ 85260		
Sex F		Fasting Yes			
Additional Information					UPIN: 3R6198
Date and Time Collected 10/12/10 08:31	Date Entered 10/13/10	Date and Time Reported 10/21/10 15:12ET	Physician Name Popiel, Brian	NPI	Physician ID 3R6198

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
-------	--------	------	-------	--------------------	-----

eGFR AfricanAmerican	>59		mL/min/1.73	>59	01
----------------------	-----	--	-------------	-----	----

Note: Persistent reduction for 3 months or more in an eGFR <60 mL/min/1.73 m² defines CKD. Patients with eGFR values >/=60 mL/min/1.73 m² may also have CKD if evidence of persistent proteinuria is present. Additional information may be found at www.kdoqi.org.

BUN/Creatinine Ratio	19			8-27	01
Sodium, Serum	138		mmol/L	135-145	01
Potassium, Serum	4.5		mmol/L	3.5-5.2	01
Chloride, Serum	103		mmol/L	97-108	01
Carbon Dioxide, Total	22		mmol/L	20-32	01
Calcium, Serum	9.7		mg/dL	8.7-10.2	01
Protein, Total, Serum	7.2		g/dL	6.0-8.5	01
Albumin, Serum	4.4		g/dL	3.5-5.5	01
Globulin, Total	2.8		g/dL	1.5-4.5	01
A/G Ratio	1.6			1.1-2.5	01
Bilirubin, Total	0.4		mg/dL	0.0-1.2	01
Alkaline Phosphatase, S	100		IU/L	25-150	01
AST (SGOT)	24		IU/L	0-40	01
ALT (SGPT)	38		IU/L	0-40	01

CBG with Free Cortisol

Cort.Bind.Glob. (CBG)	3.1		mg/dL		02
-----------------------	-----	--	-------	--	----

Reference Range:
 Older children and Adults: 2.3 - 3.9
 Estrogen Therapy and Pregnancy: >6.0
 *ASR - Analyte Specific Reagent
 This test was developed and its performance characteristics determined by Esoterix. It has not been cleared or approved by the U. S. Food and Drug Administration. The FDA has determined that such clearance is not necessary. This test is used for clinical purposes. It should not be regarded as investigational or for research. This laboratory is regulated under the Clinical Laboratory Improvement Amendment (CLIA) of 1988 as qualified to perform high complexity clinical testing.

ANNA	24587	285-129-1438-0	Seq # 6467
------	-------	----------------	------------

Specimen Number 285-129-1438-0	Patient ID 24587	Control Number M289000960	Account Number 02111760	Account Phone Number 480-614-2322	Rte
Patient First Name ANNA			Patient Middle Name		
Total Volume			Account Address Sonoran Naturopathic Center 9316 E Raintree Dr Ste 140 SCOTTSDALE, AZ 85260		
Sex F		Fasting Yes			
Date and Time Collected 10/12/10 08:31			Date Entered 10/13/10		Date and Time Reported 10/21/10 15:12ET
Physician Name Popiel, Brian			NPI		Physician ID 3R6198
Additional Information					UPIN: 3R6198

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
Cortisol, Serum LCMS	15		ug/dL		02
Reference Range:					
Adults					
8:00 AM 8.0 - 19					
4:00 PM 4.0 - 11					
Free Cortisol, Serum	0.73		ug/dL		02
Reference Range:					
Adults 8:00 AM: 0.2 - 1.8					
Percent Free Cortisol, Serum	4.9		%		02
Reference Range:					
Adults 8:00 am: 2.3 - 9.5					
Lipid Panel					
Cholesterol, Total	224	High	mg/dL	100-199	01
Triglycerides	119		mg/dL	0-149	01
HDL Cholesterol	53		mg/dL	>39	01
According to ATP-III Guidelines, HDL-C >59 mg/dL is considered a negative risk factor for CHD.					
VLDL Cholesterol Cal	24		mg/dL	5-40	01
LDL Cholesterol Calc	147	High	mg/dL	0-99	01
Iron and TIBC					
Iron Bind.Cap. (TIBC)	298		ug/dL	250-450	01
UIBC	215		ug/dL	150-375	01
Iron, Serum	83		ug/dL	35-155	01
Iron Saturation	28		%	15-55	01
Testosterone, Free and Total					
Testosterone, Serum	57		ng/dL	6-82	01
Free Testosterone (Direct)	0.9		pg/mL	0.0-2.2	03
Vitamin B12 and Folate					
Vitamin B12	1652	High	pg/mL	211-946	01
Folate (Folic Acid), Serum	>19.9		ng/mL	>3.0	01
Indeterminate: 2.2 - 3.0					
Deficient: <2.2					
Dihydrotestosterone					
Dihydrotestosterone	1.8		ng/dL		02
Reference Range:					
Adult Female: 4 - 22					

ANNA	24587	285-129-1438-0	Seq # 6467
------	-------	----------------	------------

Specimen Number 285-129-1438-0	Patient ID 24587	Control Number M289000960	Account Number 02111760	Account Phone Number 480-614-2322	Rte
Patient First Name ANNA			Patient Middle Name		
Total Volume			Sex F		
Fasting Yes			Additional Information UPIN: 3R6198		
Date and Time Collected 10/12/10 08:31	Date Entered 10/13/10	Date and Time Reported 10/21/10 15:12ET	Physician Name Popiel, Brian	NPI	Physician ID 3R6198
Account Address Sonoran Naturopathic Center 9316 E Raintree Dr Ste 140 SCOTTSDALE, AZ 85260					
TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB

Renin Activity and Aldosterone

Renin Activity, Plasma **0.67** ng/mL/hr **03**

Adult Normal Salt

Intake:

Upright 1.31 - 3.95

Supine 0.15 - 2.33

Salt Excretion

(Na mEq/24 hr):

Na= 0 - 30 8.82 - 23.86

Na= 30 - 75 4.09 - 7.73

Na= 75 - 150 1.44 - 2.80

Na= >150 0.39 - 1.31

Aldosterone

30.3 **High** ng/dL 1.0-16.0 **03**

0- 1 yr. 5.0 - 132.0

1- 3 yrs. 5.0 - 60.0

4- 7 yrs. 4.0 - 76.0

8-11 yrs. 3.0 - 28.0

12-16 yrs. 1.0 - 18.0

Adult (Supine) 1.0 - 16.0

Adult (Upright) 4.0 - 31.0

****Effective October 25, 2010 the reference interval****

on Aldosterone will be changing to:

Premature Infants

26 - 28 weeks, day 4 5.0 - 635.0

31 - 35 weeks, day 4 19.0 - 141.0

Full Term Infants

3 days 7.0 - 184.0

7 days 5.0 - 175.0

1 - 11 months 5.0 - 90.0

1 - 2 years 7.0 - 54.0

2 - 10 years 5.0 - 80.0

10 - 15 years 4.0 - 48.0

15 years and older 0.0 - 30.0

Antidiuretic Hormone Profile

ADH **<0.8** pg/mL 0.0-4.7 **03**

For research use only

ANNA	24587	285-129-1438-0	Seq # 6467
------	-------	----------------	------------

11/01/10 03:28

FINAL REPORT

Page 4 of 7

Specimen Number 285-129-1438-0	Patient ID 24587	Control Number M289000960	Account Number 02111760	Account Phone Number 480-614-2322	Rta
Patient First Name ANNA			Patient Middle Name		
Total Volume			Sex F		
Fasting Yes			Additional Information UPIN: 3R6198		
Date and Time Collected 10/12/10 08:31	Date Entered 10/13/10	Date and Time Reported 10/21/10 15:12ET	Physician Name Popiel, Brian	NPI	Physician ID 3R6198

Account Address
 Sonoran Naturopathic Center
 9316 E Raintree Dr Ste 140
 SCOTTSDALE, AZ 85260

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
Osmolality	287		mOsmol/kg	275-295	03
Vitamin D, 25-Hydroxy					
Vitamin D, 25-Hydroxy	102.0	High	ng/mL	32.0-100.0	01
Recent studies consider the lower limit of 32.0 ng/mL to be a threshold for optimal health. Hollis BW. J Nutr. 2005 Feb;135(2):317-22.					
Estradiol					
Estradiol	30.8		pg/mL		01
Adult Female:					
Follicular phase 12.5 - 166.0					
Ovulation phase 85.8 - 498.0					
Luteal phase 43.8 - 211.0					
Postmenopausal <6.0 - 54.7					
Pregnancy					
1st trimester 215.0 - >4300.0					
Girls (1-10 years) 6.0 - 27.0					
Roche ECLIA methodology					
Hemoglobin Alc					
Hemoglobin Alc	5.8	High	%	4.8-5.6	01
Increased risk for diabetes: 5.7 - 6.4					
Diabetes: >6.4					
Glycemic control for adults with diabetes: <7.0					
TSH					
TSH	0.005	Low	uIU/mL	0.450-4.500	01
C-Reactive Protein, Cardiac					
C-Reactive Protein, Cardiac	7.55	High	mg/L	0.00-3.00	01
Relative Risk for Future Cardiovascular Event					
Low <1.00					
Average 1.00 - 3.00					
High >3.00					
Dehydroepiandrosterone Sulfate					
DHEA-Sulfate	116.3		ug/dL	18.9-205.0	01
Homocyst(e)ine, Plasma					
Homocyst(e)ine, Plasma	8.4		umol/L	0.0-15.0	04
GGT					
GGT	24		IU/L	0-60	01
Thyroxine (T4)					

ANNA	24587	285-129-1438-0	Seq # 6467
------	-------	----------------	------------

Specimen Number 285-129-1438-0	Patient ID 24587	Control Number M289000960	Account Number 02111760	Account Phone Number 480-614-2322	Rte
Patient First Name ANNA			Patient Middle Name		
Total Volume			Account Address Sonoran Naturopathic Center 9316 E Raintree Dr Ste 140 SCOTTSDALE, AZ 85260		
Sex F	Fasting Yes		Additional Information UPIN: 3R6198		
Date and Time Collected 10/12/10 08:31	Date Entered 10/13/10	Date and Time Reported 10/21/10 15:12ET	Physician Name Popiel, Brian	NPI	Physician ID 3R6198

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
Thyroxine (T4)	9.3		ug/dL	4.5-12.0	01
Sedimentation Rate-Westergren					
Sedimentation Rate-Westergren	12		mm/hr	0-30	01
Prealbumin					
Prealbumin	23		mg/dL	20-40	01
Insulin					
Insulin	14.0		uIU/mL	0.0-24.9	01
Estrone, Serum					
Estrone, Serum	181		pg/mL		03
			Male	Female	
	0 - 5 years	18 - 53	19 - 46		
	6 - 7 years	17 - 48	17 - 44		
	8 - 9 years	20 - 54	31 - 70		
	10 - 11 years	21 - 49	28 - 68		
	12 - 14 years	17 - 44	57 - 140		
	Adult	12 - 72	See below		
	Female: Follicular Phase		37 - 138		
	Mid-cycle		60 - 229		
	Luteal Phase		50 - 114		
	Post Menopausal		14 - 103		
Ferritin, Serum					
Ferritin, Serum	169	High	ng/mL	13-150	01
Magnesium, Serum					
Magnesium, Serum	2.1		mg/dL	1.6-2.6	01
Osmolality					
Osmolality	290		mOs/kH2O	275-295	04
Reverse T3					
Reverse T3	328		pg/mL	90-350	03
Triiodothyronine, Free, Serum					
Triiodothyronine, Free, Serum	6.4	High	pg/mL	2.0-4.4	01
Progesterone					

ANNA	24587	285-129-1438-0	Seq # 6467
------	-------	----------------	------------

Specimen Number 285-129-1438-0	Patient ID 24587	Control Number M289000960	Account Number 02111760	Account Phone Number 480-614-2322	Rte
Patient First Name ANNA			Patient Middle Name		
Total Volume			Account Address Sonoran Naturopathic Center 9316 E Raintree Dr Ste 140 SCOTTSDALE, AZ 85260		
Sex F		Fasting Yes			
Date and Time Collected 10/12/10 08:31			Date Entered 10/13/10		Date and Time Reported 10/21/10 15:12ET
Physician Name Popiel, Brian			NPI		Physician ID 3R6198
Additional Information					UPIN: 3R6198

TESTS	RESULT	FLAG	UNITS	REFERENCE INTERVAL	LAB
Progesterone	56.1		ng/mL		01
	Follicular phase		0.2 - 1.5		
	Luteal phase		1.7 - 27.0		
	Ovulation phase		0.8 - 3.0		
	Pregnant				
	First trimester		8.8 - 48.6		
	Second trimester		12.4 - 75.8		
	Third trimester		58.5 - 222.3		
	Postmenopausal		0.1 - 0.8		

C-Reactive Protein, Quant
C-Reactive Protein, Quant **7.1** **High** **mg/L** **0.0-4.9** **01**

01	SE LabCorp Seattle 550 17th Avenue Ste 300, Seattle, WA 981225789	Dir: Mantel, Kristin MD
For inquiries, the physician may contact: Branch: 206-861-7000		Lab: 206-861-7000
02	ES Esoterix Endocrinology 4301 Lost Hills Road, Calabasas Hills, CA	Dir: Pepkowitz, Samuel MD
For inquiries, the physician may contact: Branch: 800-444-9111		Lab: 800-444-9111
03	BN LabCorp Burlington 1447 York Court, Burlington, NC 272153361	Dir: Hancock, William F MD
For inquiries, the physician may contact: Branch: 800-762-4344		Lab: 800-762-4344
04	05 Dynacare A LabCorp Co NW 550 17th Avenue Ste 310, Seattle, WA 981220000	Dir: Corwin, David MD
For inquiries, the physician may contact: Branch: 206-861-7000		Lab: 206-861-7000

ANNA	24587	285-129-1438-0	Seq # 6467
------	-------	----------------	------------