



Please refer to PDF report attached

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Practitioner:

ROWENA KISSUN (NPATH)

SHOP 4/163 SHUTE HARBOUR ROAD
CANNONVALE QLD
QLD
4802

Request id:

3714237

Patient:

LARA SUNDERLAND

43 GOBBONS STREET
NARRABRI NSW
NSW
2390

Date of Birth:

13-Aug-2006

Sex:

F

TEST REPORT



2021 01 21 324 U

Ordering Provider:
NutriPath

Samples Received
01/21/2021

Report Date
01/27/2021

Samples Collected
Urine - 01/03/21 07:53
Urine - 01/03/21 09:49
Urine - 01/03/21 17:17
Urine - 01/03/21 21:01

Patient Name: Lara G Sunderland
Patient Phone Number:

Gender Female	Last Menses 12/14/2020	Height Unspecified	Waist Unspecified
DOB 8/13/2006 (14 yrs)	Menses Status Pre-Menopausal	Weight Unspecified	

TEST NAME	RESULTS 01/03/21	RANGE
Urinary Estrogens		
Estradiol	0.92	0.78-1.79 µg/g Cr Premeno-luteal or ERT
Estrone	3.32	2.27-5.22 µg/g Cr Premeno-luteal or ERT
Estriol	2.28 H	0.78-1.98 µg/g Cr Premeno-luteal or ERT
E3/(E1+E2)	0.54	>0.3 (> median value)
2-OH Estradiol	0.27	0.17-0.70 µg/g Cr Premeno-luteal or ERT
2-OH Estrone	0.93	0.70-2.54 µg/g Cr Premeno-luteal or ERT
4-OH Estradiol	0.12	0.10-0.18 µg/g Cr Premeno-luteal or ERT
4-OH Estrone	0.15 L	0.17-0.47 µg/g Cr Premeno-luteal or ERT
16α-OH Estrone	1.68 H	0.35-1.07 µg/g Cr Premeno-luteal or ERT
2-OH (E1 + E2)/16-α-OH E1	0.71 L	1.29-5.49 Premeno-luteal or ERT
2-MeO Estradiol	0.04	0.03-0.08 µg/g Cr Premeno-luteal or ERT
2-MeO Estrone	0.35	0.26-0.68 µg/g Cr Premeno-luteal or ERT
2-MeO E1/2-OH E1	0.38	0.21-0.38 Premeno-luteal or ERT
4-MeO Estradiol	<dl L	<0.04 µg/g Cr
4-MeO Estrone	0.06 H	<0.04 µg/g Cr
4-MeO E1/4-OH E1	0.4 H	0.05-0.13 Premeno-luteal or ERT
4-MeO E2/4-OH E2	N/A	0.10-0.29 Premeno-luteal or ERT
Bisphenol A	0.70 L	1.11-3.74 µg/g Cr Premeno-luteal

TEST REPORT | Results *continued*

Lara G Sunderland
2021 01 21 324 U

TEST NAME	RESULTS 01/03/21	RANGE
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Urinary Progestogens

Pregnanediol	955	465-1609 µg/g Cr Premeno-luteal or PgRT
Allopregnanolone	2.55	2.23-14.87 µg/g Cr Premeno-luteal or PgRT
Allopregnanediol	30.64	14.65-76.71 µg/g Cr Premeno-luteal or PgRT
3α-Dihydroprogesterone	1.08	0.67-2.03 µg/g Cr Premeno-luteal or PgRT
20α-Dihydroprogesterone	6.48	3.93-11.62 µg/g Cr Premeno-luteal or PgRT
Deoxycorticosterone	2.36 H	0.69-2.23 µg/g Cr Premeno-luteal or PgRT
Corticosterone	19.31 H	3.19-9.59 µg/g Cr Premeno-luteal or PgRT
Pgdiol/E2	1038.04	1000-1500 (Optimal Luteal Only)

Urinary Androgens

DHEA	148.50 H	15.82-129.17 µg/g Cr Premeno-luteal or DHEAT
Androstenedione	10.36	3.93-13.53 µg/g Cr Premeno-luteal or ART
Androsterone	682	248-937 µg/g Cr Premeno-luteal or ART
Etiocholanolone	882	330-960 µg/g Cr Premeno-luteal or ART
Testosterone	2.28	1.22-3.97 µg/g Cr Premeno-luteal or ART
Epi-Testosterone	4.92 H	2.01-4.66 µg/g Cr Premeno-luteal
T/Epi-T	0.46 L	0.5-3.0
5α-DHT	0.73	0.28-1.52 µg/g Cr Premeno-luteal or ART
5α,3α-Androstanediol	5.69	2.98-13.10 µg/g Cr Premeno-luteal or ART

Urinary Glucocorticoids

Total Cortisol	23.42	12.26-33.12 µg/g Cr Premeno-luteal
Total Cortisone	26.84	23.27-50.88 µg/g Cr Premeno-luteal
Cortisol/Cortisone	0.87 H	0.5-0.7
Tetrahydrocortisol	265	214-546 µg/g Cr Premeno-luteal
Tetrahydrocortisone	1309 H	437-1184 µg/g Cr Premeno-luteal

Urinary Free Diurnal Cortisol

Free Cortisol	3.28 L	7.8-29.5 µg/g Cr (1st Morning)
Free Cortisol	32.24	23.4-68.9 µg/g Cr (2nd Morning)
Free Cortisol	15.58	6.0-19.2 µg/g Cr (Evening)



TEST REPORT | Results *continued*

TEST NAME	RESULTS 01/03/21	RANGE
Urinary Free Diurnal Cortisol		
Free Cortisol	 5.86	2.6-8.4 µg/g Cr (Night)
Urinary Free Diurnal Cortisone		
Free Cortisone	 16.43 L	31.6-91.6 µg/g Cr (1st Morning)
Free Cortisone	 77.04	63.3-175.8 µg/g Cr (2nd Morning)
Free Cortisone	 60.15	30.6-88.5 µg/g Cr (Evening)
Free Cortisone	 36.75	15.5-44.7 µg/g Cr (Night)
Urinary Diurnal Melatonin MT6s		
Melatonin	 0.49 L	18.0 - 40.9 µg/g Cr (1st Morning)
Melatonin	 1.24 L	7.3 - 31.9 µg/g Cr (2nd Morning)
Melatonin	 0.70	0.7 - 2.2 µg/g Cr (Evening)
Melatonin	 <dl L	1.7 - 11.1 µg/g Cr (Night)
Urinary Creatinine		
Creatinine (pooled)	 1.18	0.3-2.0 mg/mL
Creatinine	 1.66	0.3-2.0 mg/mL (1st morning)
Creatinine	 1.98	0.3-2.0 mg/mL (2nd morning)
Creatinine	 0.98	0.3-2.0 mg/mL (Evening)
Creatinine	 0.66	0.3-2.0 mg/mL (Night)

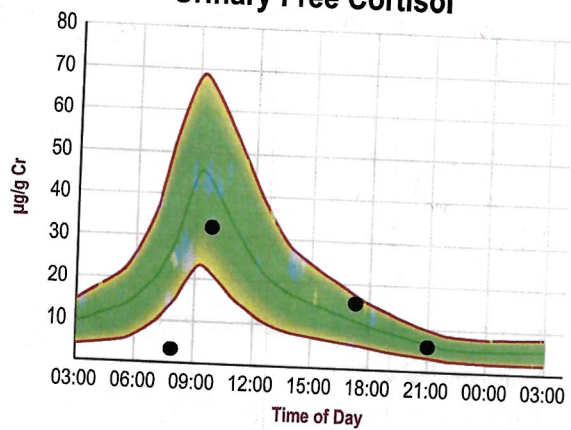
<dl = Less than the detectable limit of the lab. N/A = Not applicable; 1 or more values used in this calculation is less than the detectable limit. H = High. L = Low.

Therapies

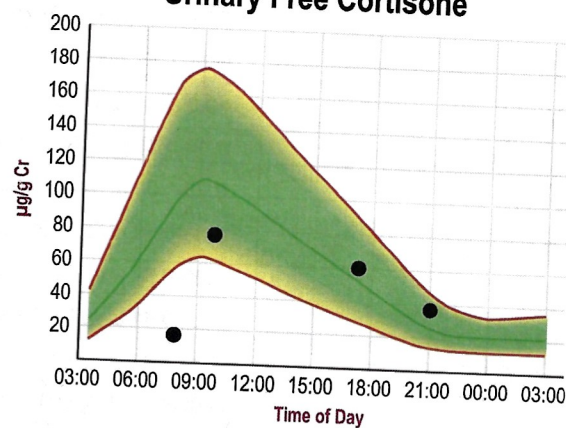
None

Graphs

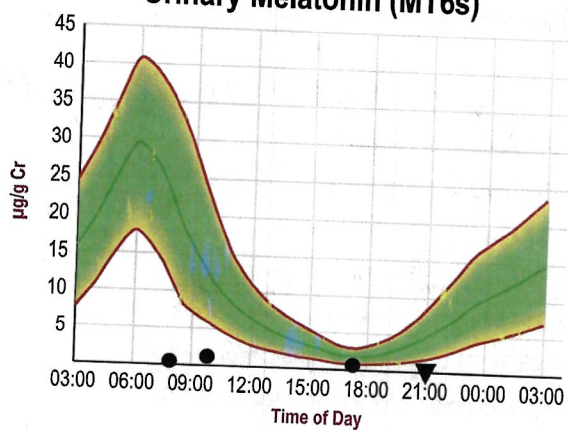
Urinary Free Cortisol



Urinary Free Cortisone



Urinary Melatonin (MT6s)



TEST REPORT | Reference Ranges

Lara G Sunderland
2021 01 21 324 U

TEST NAME	WOMEN
Estradiol	0.15-0.75 µg/g Cr Postmenopausal; 0.78-1.79 µg/g Cr Premeno-luteal or ERT
Estrone	0.64-2.56 µg/g Cr Postmenopausal; 2.27-5.22 µg/g Cr Premeno-luteal or ERT
Estriol	0.28-1.17 µg/g Cr Postmenopausal; 0.78-1.98 µg/g Cr Premeno-luteal or ERT
E3/(E1+E2)	>0.3 (> median value)
2-OH Estradiol	0.08-0.31 µg/g Cr Postmenopausal; 0.17-0.70 µg/g Cr Premeno-luteal or ERT
2-OH Estrone	0.25-1.00 µg/g Cr Postmenopausal; 0.70-2.54 µg/g Cr Premeno-luteal or ERT
4-OH Estradiol	0.03-0.12 µg/g Cr Postmenopausal; 0.10-0.18 µg/g Cr Premeno-luteal or ERT
4-OH Estrone	0.06-0.22 µg/g Cr Postmenopausal; 0.17-0.47 µg/g Cr Premeno-luteal or ERT
16α-OH Estrone	0.10-0.41 µg/g Cr Postmenopausal; 0.35-1.07 µg/g Cr Premeno-luteal or ERT
2-OH (E1 + E2)/16-α-OH E1	1.47-8.17 Postmenopausal; 1.29-5.49 Premeno-luteal or ERT
2-MeO Estradiol	0.02-0.07 µg/g Cr Postmenopausal; 0.03-0.08 µg/g Cr Premeno-luteal or ERT
2-MeO Estrone	0.06-0.29 µg/g Cr Postmenopausal; 0.26-0.68 µg/g Cr Premeno-luteal or ERT
2-MeO E1/2-OH E1	0.19-0.36 Postmenopausal; 0.21-0.38 Premeno-luteal or ERT
4-MeO Estradiol	<0.04 µg/g Cr
4-MeO Estrone	<0.04 µg/g Cr
4-MeO E1/4-OH E1	0.03-0.38 Postmenopausal; 0.05-0.13 Premeno-luteal or ERT
4-MeO E2/4-OH E2	0.14-0.73 Postmenopausal; 0.10-0.29 Premeno-luteal or ERT
Bisphenol A	1.5-4.5 µg/g Cr Postmenopausal; 1.11-3.74 µg/g Cr Premeno-luteal
Pregnanediol	56-220 µg/g Cr Postmenopausal; 465-1609 µg/g Cr Premeno-luteal or PgRT
Allopregnanolone	0.3-1.31 µg/g Cr Postmenopausal; 2.23-14.87 µg/g Cr Premeno-luteal or PgRT
Allopregnanediol	1.38-6.75 µg/g Cr Postmenopausal; 14.65-76.71 µg/g Cr Premeno-luteal or PgRT
3α-Dihydroprogesterone	0.19-0.77 µg/g Cr Postmenopausal; 0.67-2.03 µg/g Cr Premeno-luteal or PgRT
20α-Dihydroprogesterone	0.60-5.53 µg/g Cr Postmenopausal; 3.93-11.62 µg/g Cr Premeno-luteal or PgRT
Deoxycorticosterone	0.37-1.97 µg/g Cr Postmenopausal; 0.69-2.23 µg/g Cr Premeno-luteal or PgRT
Corticosterone	2.32-9.88 µg/g Cr Postmenopausal; 3.19-9.59 µg/g Cr Premeno-luteal or PgRT
Pgdol/E2	1000-1500 (Optimal Luteal Only)
DHEA	8.63-37.28 µg/g Cr Postmenopausal; 15.82-129.17 µg/g Cr Premeno-luteal or DHEAT
Androstenedione	2.07-7.94 µg/g Cr Postmenopausal; 3.93-13.53 µg/g Cr Premeno-luteal or ART
Androsterone	152-482 µg/g Cr Postmenopausal; 248-937 µg/g Cr Premeno-luteal or ART
Etiocholanolone	239-777 µg/g Cr Postmenopausal; 330-960 µg/g Cr Premeno-luteal or ART
Testosterone	0.66-2.89 µg/g Cr Postmenopausal; 1.22-3.97 µg/g Cr Premeno-luteal or ART
Epi-Testosterone	0.39-1.32 µg/g Cr Postmenopausal; 2.01-4.66 µg/g Cr Premeno-luteal
T/Epi-T	0.5-3.0
5α-DHT	0.26-0.98 µg/g Cr Postmenopausal; 0.28-1.52 µg/g Cr Premeno-luteal or ART