

Copy To: NARRABRI HOSPITAL SYDPATH ACC
66 GIBBONS ST
NARRABRI, NSW, 2390

MRN: A24465
Name: LEISA EATHER
5 GUEST STREET NARRABRI, NSW, 2390

Referred By: DR AYE THIN

Ph: 0267923536
Age: 40 Yrs **DOB:** 09/02/81 **Sex:** Female

Ref:
Collected: 10/12/21 08:30
Received: 10/12/21 08:49
Request: 6315517
Fasting Status: Fasting

CHEMISTRY

	Current Result	Previous results for comparison only					Reference (for this collection)
Date:	10/12/21	10/09/21	11/11/20	06/11/20			
Time:	08:30	08:21	09:03	11:30			
Request No.:	6315517	6202008	6182506	6182255	Units		
Liver Function Tests (serum/plasma)							
Total protein	66	69	75	69	g/L		[60-80]
Albumin	39	41	42	37	g/L		[33-48]
Bilirubin total	8	7	6	10	umol/L		[0-20]
Alkaline phosphat.	50	60	69	59	U/L		[30-110]
ALT	6	3	5	6	U/L		[0-35]
AST	21	16	18	18	U/L		[0-30]
GGT	14	13	17	11	U/L		[0-35]
LDH	141	108	170	209	U/L		[0-430]

Lipid Studies

Fasting status	Fasting	Fasting				
Cholesterol	4.0	4.3		mmol/L		[0.0-6.0]
Triglyceride	0.6	0.5		mmol/L		[0.0-2.0]
HDL Cholesterol	1.6	1.8		mmol/L		[>1.0]
LDL Cholesterol	2.1	2.3		mmol/L		[0.0-4.0]
Non-HDL Chol.	2.4	2.5		mmol/L		[0.0-4.0]
Chol:HDL ratio	2.5	2.4				
Lipids comment	liprng	liprng				

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Tests Pending: 17OH Prog

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Comments: (10/12/2021 08:30 Episode No. 6315517)

liprng: Lipid targets for patients at high risk of cardiovascular disease:

Total Cholesterol <4.0 mmol/L HDL Cholesterol >1.0 mmol/L

Non-HDL Cholesterol <2.5 mmol/L Triglycerides <2.0 mmol/L

LDL Cholesterol <2.0 mmol/L, <1.8 mmol/L for secondary prevention.

(Lipid target ranges from Australian Heart Foundation)

For cardiovascular risk prediction including lipid see www.cvdcheck.org.au.

Reference limits for lipids are provided for general advice only and identify approximately 15% of the adult population.

Glucose Testing

Glucose (fasting) 5.4 5.4 mmol/L [3.0-5.5]

Thyroid Testing (serum/plasma)

TSH 1.48 2.14 mIU/L [0.40-4.80]

Free T4 10.5 pmol/L [8.0-16.0]

TFT com. TFTCOM1 TFTCOM1

Comments: (10/12/2021 08:30 Episode No. 6315517)

TFTCOM1: THYROID FUNCTION TESTS: TSH, free T4 and free T3 measured using Beckman-Coulter method (Dr Graham Jones).

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Practice Use
☐
Normal
☐
No Action
☐
Notify Patient
☐
See Patient
☐
Further Test
☐

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Endocrinology							
LH	5.1	4.3			IU/L		
FSH	11.3	4.3			IU/L		
DHEAS	1.5				umol/L		
Oestradiol	125	823			pmol/L		
Progesterone	1.4	35.0			nmol/L		
Testosterone	<0.5	0.6			nmol/L		[0.0-2.0]
SHBG	56				nmol/L		[15-130]
Cortisol	279				nmol/L		[150-520]
ACTH	6.0				pmol/L		[0.0-12.0]
25 OH Vitamin D	82	53			nmol/L		[50-150]
Insulin	2.4				mU/L		[2.0-15.0]
Prolactin	170				mIU/L		[50-500]
LH comment	lhfn1	lhfn1					
FSH comment	fshfbc1	fshfbc1					
DHEAS comment	dhsnf						
Oestradiol comment	e2rfbc	e2rfbc					
Progesterone comm.	pgsfbc	pgsfbc					
Cortisol comment	corrng						
Vitamin D comment	25DCOM	25DCOM					

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lhfrnl: LH Reference Interval - Female(serum/plasma):

Follicular phase: 2.0 - 12.0 IU/L

Midcycle phase: 15.0 - 100 IU/L

Mid-Luteal phase: 1.0 - 13.0 IU/L

Postmenopausal: 11.0 - 60.0 IU/L

(Beckman-Coulter analyser; introduced 2nd Sept 2018)

fshfbcl: FSH Reference Interval (serum/plasma):

Pre-pubertal: 0 - 7.0 IU/L

Follicular phase: 4.0 - 9.0 IU/L

Midcycle phase: 4.0 - 23.0 IU/L

Mid-Luteal phase: 1.5 - 5.0 IU/L

Postmenopausal: 17 - 115 IU/L

(Beckman-Coulter method, introduced 2nd Sept 2018)

dhsnf: DHEAS Reference Interval (serum/plasma):

Postmenopausal: 0 - 1.7 umol/L

Premenopausal: 2.2 - 9.1 umol/L

Term Pregnancy: 0 - 3.2 umol/L

Prepubertal: 0 - 1.6 umol/L

Newborn: 4.5 - 9.9 umol/L

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e2rfbc: E2 Reference Intervals (serum/plasma):
Follicular phase: 50 - 420 pmol/L
Midcycle phase: 120 - 2000 pmol/L
Luteal phase: 130 - 1000 pmol/L
Postmenopausal: 0 - 100 pmol/L
(Beckman-Coulter method, introduced 2nd Sept 2018)

pgsfbc: Progesterone Reference Intervals (serum/plasma):
Follicular phase: 0 - 5.0 nmol/L
Mid-Luteal peak: > 15.0 nmol/L
Pregnancy: > 20.0 nmol/L
Post menopausal: 0 - 2.5 nmol/L
(Beckman-Coulter method, introduce 2nd Sept 2018)

corrng: SERUM CORTISOL: Serum cortisol reference interval is for samples taken between 8 and 10am. Lower results are expected later in the day.
(Dr Graham Jones).

25DCOM: Vitamin D clinical decision point for 25-hydroxy vitamin D:
(Med J Aust 2005;182:281-5)

Mild deficiency: 25 - 50 nmol/L
Moderate deficiency: 13 - 25 nmol/L
Severe deficiency: < 13 nmol/L

Androstenedione

Androstenedione 1.9 nmol/L
Andros. comment andf

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andf: Androstenedione Reference Interval (serum/plasma):

Premenopausal: 2.2 - 10.5 nmol/L
Postmenopausal: 1.7 - 4.5 nmol/L
Prepubertal: < 6.0 nmol/L

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Practice Use
☐ Normal
☐ No Action
☐ Notify Patient
☐ See Patie
☐ Further Test

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HAEMATOLOGY

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Iron Studies							
Ferritin serum	89	91	(was in 200+)		ug/L		[15-150]
Iron serum	17	16			umol/L		[10-30]
Transferrin	2.4	2.5			g/L		[2.0-3.5]
Transferrin satn	28	25			%		[15-50]
B12 and Folate							
Vitamin B12 serum	229	282			pmol/L		[>140]
Total B12 Comment	HIGHB12	HIGHB12					
Folate serum	46.7	42.9			nmol/L		[>10.0]

Comments: (10/12/2021 08:30 Episode No. 6315517)

HIGHB12: VITAMIN B12. Total Vitamin B12 result greater than or equal to 200 pmol/L makes significant deficiency of vitamin B12 unlikely.

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Full Blood Count							
White Cell Count	5.3	6.0	7.1	10.4	10 ⁹ /L		[4.0-11.0]
Red Cell Count	4.3	4.4	4.4	4.0	10 ¹² /L		[3.8-5.8]
Haemoglobin	138	145	141	129	g/L		[115-165]
Haematocrit	0.40	0.41	0.41	0.37			[0.37-0.47]
MCV	94	93	93	92	fL		[76-96]
MCH	32.1 H	33.3 H	31.9	32.3 H	pg		[27.0-32.0]
MCHC	342	357	341	350	g/L		[320-360]
RDW	12.9	12.9	12.9	12.6	%		[11.5-14.5]
Platelet Count	264	257	416 H	221	10 ⁹ /L		[150-400]
Neutrophils	2.2	2.8	3.6	7.6 H	10 ⁹ /L		[2.0-7.5]
Lymphocytes	2.5	2.5	2.7	1.8	10 ⁹ /L		[1.5-4.0]
Monocytes	0.4	0.5	0.7	0.9	10 ⁹ /L		[0.2-1.0]
Eosinophils	0.1	0.1	0.1	0.0	10 ⁹ /L		[0.0-0.4]
Basophils	0.0	0.0	0.1	0.0	10 ⁹ /L		[0.0-0.1]

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