



Referrer Dr Soji Swaraj

Address THE STADIUM ORTHO & SPORTS MED BLDG 15 BYRON
KENNEDY HALL 122 LANG ROAD
MOORE PARK NSW 2021

Phone 0246281122

Your ref. .

Address 6/39 LAURA ST
NEWTOWN NSW 2042

Phone 0481010320

Copy to Ms Alexandra Middleton (0410503376)

Requested 24/03/2022

Collected 23/04/2022 09:46 AEDT

Received 23/04/2022 09:47 AEDT

Reproductive Hormones

(Abbott Method)

Test Name	Result	Units	Reference Interval
FSH	3.7	IU/L	
LH	2.0	IU/L	
Oestradiol	71	pmol/L	
DHEAS	2.8	umol/L	2.4 - 13

Comments

FSH	Basal	1.5 - 10
	Mid cycle peak	7.0 - 22
	Post-menopausal	25 - 130
LH	Basal	2.0 - 12
	Mid cycle peak	8.0 - 90
	Post-menopausal	5.0 - 62
Oestradiol	Follicular phase	<320
	Preovulatory phase	450 - 2000
	Luteal phase	125 - 1300
	Post-menopausal	<170

NATA ACCREDITATION NO 2178

Reported on 23-04-2022 15:32



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Progesterone (21 Days)

Progesterone (21 Days) 1.9 nmol/L

Comments

Progesterone	Follicular phase	0.3 - 4.0
	Luteal phase	5.5 - 90.0
	Midluteal	8.5 - 110.0
	Post-menopausal	<2.6

Please note Prog21(s) collection date: 12/05/2022 15:33

NATA ACCREDITATION NO 2178

Reported on 13-05-2022 04:36

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Biochemistry

Test Name	Result	Units	Reference Interval
Status	Random		
Sodium	140	mmol/L	135 - 145
Potassium	4.4	mmol/L	3.5 - 5.5
Chloride	103	mmol/L	95 - 110
Bicarbonate	27	mmol/L	20 - 32
Urea	2.9	mmol/L	2.5 - 7.0
Creatinine	55	umol/L	45 - 85
eGFR	>90	mL/min/1.73m2	>59
● Total Bilirubin	20 H	umol/L	3 - 15
Alk Phos	71	U/L	20 - 105
Gamma GT	12	U/L	5 - 35
LDH	172	U/L	120 - 250
AST	19	U/L	10 - 35
ALT	19	U/L	5 - 30
● Total Protein	67 L	g/L	68 - 85
● Albumin	51 H	g/L	37 - 48
● Globulin	16 L	g/L	23 - 39

Comments

eGFR (mL/min/1.73m2) calculated by CKD-EPI formula - see www.kidney.org.au

Please note LFT(s) collection date: 12/05/2022 15:33
Please note C(s) collection date: 12/05/2022 15:33
Please note UCreat(s) collection date: 12/05/2022 15:33
Please note E(s) collection date: 12/05/2022 15:33
Please note Protein(s) collection date: 12/05/2022 15:33

NATA ACCREDITATION NO 2178

Reported on 13-05-2022 05:43



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Iron Studies

Test Name	Result	Units	Reference Interval
Iron	21.5	umol/L	5.0 - 30.0
Transferrin	2.4	g/L	2.0 - 3.6
TIBC (Calculated)	54	umol/L	46 - 77
Saturation	40	%	10 - 45
Ferritin	67	ug/L	15 - 200

Please note Iron(s) collection date: 12/05/2022 15:33

NATA ACCREDITATION NO 2178

Reported on 13-05-2022 06:16

C Reactive Protein (High Sens)

Test Name	Result	Units	Reference Interval
CRP	0.4	mg/L	0.0 - 5.0

Please note CRP(s) collection date: 12/05/2022 15:33

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Reported on 13-05-2022 01:19



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25-OH Vitamin D

Test Name	Result	Units	Reference Interval
● Vitamin D	144 H	nmol/L	50 - 140

Comments

According to the Position Statement 'Vitamin D and health in adults in Australia and New Zealand' MJA, 196(11):686-687, 2012, Vitamin D status is defined as:

Mild Deficiency	30	-	49 nmol/L
Moderate Deficiency	12.5	-	29 nmol/L
Severe Deficiency	<12.5		nmol/L

Vitamin D adequacy can be defined as a level >49 nmol/L at the end of winter - the level may need to be 10 - 20 nmol/L higher at the end of summer, to allow for seasonal decrease.

From 1st November 2014, Medicare rebates for vitamin D testing will apply to patients at risk of Vitamin D deficiency such as chronic lack of sun exposure.

Please note Vit D(s) collection date: 12/05/2022 15:33

NATA ACCREDITATION NO 2178

Reported on 13-05-2022 07:10

Glucose

Test Name	Result	Units	Reference Interval
● Glucose Random	3.4 L	mmol/L	3.6 - 7.7

Please note Glu(p) collection date: 12/05/2022 15:33

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Reported on 12-05-2022 23:59



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Growth Hormone (Immulin Method)

Growth Hormone 18.5 H mIU/L 0 - 15

Comments

To convert Growth Hormone from mIU/L to ng/ml or ug/L, multiply the result above by 0.333.
For example, 10.0 mIU/L equals 3.3 ug/L.

Please note Growth Hormone(s) collection date: 12/05/2022 15:33

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Reported on 13-05-2022 12:46

Prolactin (Roche Method)

Prolactin (Total) 193 mIU/L 85 - 500

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Reported on 23-04-2022 15:47

Biomarkers

Cancer Antigen 125 12 U/mL <36

Please note CA125(s) collection date: 12/05/2022 15:33

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Androgens

Testosterone	0.1 L	nmol/L	0.2 - 1.8
SHBG	65	nmol/L	30 - 110
Free Androgen Index	0.2 L	%	0.3 - 4.0

NATA ACCREDITATION NO 2178

Reported on 23-04-2022 15:47

IGF-1 (Liaison)	31	nmol/L	12 - 42
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Comments

IGF-1 testing performed on Diasorin Liaison XL.

Reported by Sullivan and Nicolaides Pathology, a member of the
Sonic Healthcare Group.

Please note IGF-1(s) collection date: 12/05/2022 15:33

NATA ACCREDITATION NO 2178

Reported on 17-05-2022 12:01



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Haemoglobin A1c

Test Name	Result	Units	Reference Interval
HbA1c (IFCC)	34	mmol/mol	20 - 38
HbA1c (NGSP)	5.3	%	4.0 - 5.6

Comments

HbA1c less than 48 mmol/mol (6.5%) does not exclude a diagnosis of diabetes mellitus based upon elevated glucose results. The existing diagnostic criteria for fasting and random glucose levels and for oral glucose tolerance testing remain valid, and are the diagnostic tests of choice for gestational diabetes, type 1 diabetes and in the presence of conditions that interfere with HbA1c measurement. Conditions which may affect the measured HbA1c value include any of the haemolytic anaemias, anaemia of chronic disease, severe liver disease, vitamin B12 and/or folate deficiency, the haemoglobinopathies and regular phlebotomy performed for medical indications or for blood donation. It also should be noted that further investigation is required for any inexplicably low HbA1c level or significant discrepancy between HbA1c and glucose results.

Please note that of 19/08/2021, HbA1c measurement changed from the Biorad D-100 to the Sebia Capillars 3 method.

Please note HbA1c Diag(e) collection date: 12/05/2022 15:33

NATA ACCREDITATION NO 2178

Reported on 13-05-2022 02:23



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Vitamin B12 and Folate

Test Name	Result	Units	Reference Interval
Vitamin B12	535	pmol/L	135 - 650
Serum Folate	39.5	nmol/L	> 7.0

Comments

From 8 March 2014, active B12 (holotranscobalamin) testing will be performed on all patients with low or equivocal (at or below 340 pmol/L) total B12 results. Both tests are eligible for a Medicare rebate under these circumstances.

Please note B12(s) collection date: 12/05/2022 15:33

Please note Fol(s) collection date: 12/05/2022 15:33

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Haematology

Test Name	Result	Units	Reference Interval
Haemoglobin	136	g/L	119 - 160
Red cell count	4.5	$\times 10^{12}/L$	3.8 - 5.8
Haematocrit	0.41		0.35 - 0.48
MCV	91	fL	80 - 100
MCH	30.4	pg	27.0 - 32.0
MCHC	334	g/L	310 - 360
RDW	11.8		10.0 - 15.0
White cell count	9.4	$\times 10^9/L$	4.0 - 11.0
Neutrophils	5.77	$\times 10^9/L$	2.0 - 7.5
Lymphocytes	2.81	$\times 10^9/L$	1.0 - 4.0
Monocytes	0.75	$\times 10^9/L$	0.0 - 1.0
Eosinophils	0.05	$\times 10^9/L$	0.0 - 0.5
Basophils	0.04	$\times 10^9/L$	0.0 - 0.3
NRBC	<1.0	/100 WBC	<1
Platelets	387	$\times 10^9/L$	150 - 450
ESR	12	mm/h	1 - 20

Comments

Full blood count is within reference limits

Please note FBC(e) collection date: 12/05/2022 15:33

Please note ESR(e) collection date: 12/05/2022 15:33

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Reported on 12-05-2022 23:06



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Serum Protein Electrophoresis (EPG)

Total Protein	67 L	g/L	68 - 85
Albumin	45	g/L	37 - 50
Total Globulin	22	g/L	22 - 38
Alpha 1 Globulin	2.3	g/L	1.0 - 3.0
Alpha 2 Globulin	7.2	g/L	4.0 - 10.0
Beta Globulin	6.3	g/L	5.0 - 11.0
Gamma Globulin	6.1 L	g/L	7.0 - 16.0

Comments

Slight reduction in gamma globulins noted.

Please note PEPG(s) collection date: 12/05/2022 15:33

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Reported on 16-05-2022 13:43

Serum Protein Immunofixation (IFE)

Paraprotein not detected

Please note IFE(s) collection date: 12/05/2022 15:33

NATA ACCREDITATION NO 2178

Reported on 16-05-2022 13:43