

Referrer **Dr Sacha Saralam** Lab ID **422346007** DOB **02/05/1986 (38 Yrs MALE)**
Address **FREMANTLE FAMILY BEACONSFIELD U15/115 LEFROY ROAD** Your ref. **00416913**
BEACONSFIELD WA 6162 Address **1 /8 DOUST STREET**
Phone **0893317479** Phone **0435923766**
HILTON WA 6163

Copy to Email Patient Copy (0893714200) Requested 25/06/2024
Clinical Notes Not provided Collected 26/06/2024 09:12 Received 26/06/2024 09:12

Serum Folate

Folic Acid 13.7 ug/L >3.8

CA

CLINIPATH PATHOLOGY NATA NO: 2619-2612

26-06-2024 20:02

Iron Studies

Test Name	Result	Units	Reference Interval	Comment
Iron	22	umol/L	5 - 30	
Transferrin	34	umol/L	25 - 40	
Saturation	32	%	10 - 45	
Ferritin	124	ug/L	30 - 500	

CA

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Androgens

Test Name	Result	Units	Reference Interval	Comment
Testosterone	15.6	nmol/L	9.5 - 35.0	
SHBG	35	nmol/L	10 - 70	
Free Testosterone	311.2	pmol/L	260 - 750	

CA

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26-06-2024 20:02

Thyroid Function Tests

Test Name	Result	Units	Reference Interval	Comment
TSH	2.10	mU/L	0.4 - 4.0	

Comments

Euthyroid levels.

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Hormones

FSH	11 H	U/L	1 - 8
LH	5	U/L	1 - 8

Comments

Mildly raised FSH with LH and testosterone within the reference limits may be seen with Sertoli cell impairment, consider repeat at 08:00 with semen analysis to clarify.

Dr Damon Bell, Chemical Pathologist/Endocrinologist.

DB

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26-06-2024 20:02

Vitamin B12

Test Name	Result	Units	Reference Interval	Comment
Vitamin B12	332	pmol/L	139 - 651	
● Active B12	> 128 H	pmol/L	23 - 100	HIGH

Comments

Results consistent with adequate vitamin B12.

JC

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25 Hydroxy Vitamin D

Test Name	Result	Units	Reference Interval	Comment
25OH Vitamin D	149	nmol/L	50 - 150	

Comments

Medicare rebates for vitamin D testing are available for patients at risk of Vitamin D deficiency such as all those with chronic lack of sun exposure.

As 37% of Vitamin D requests in our practice show deficiency, we presume that your patient complies with the funding criteria. If this is not the case, please contact our accounts dept.

ANZBMS updated Position Statement Vitamin D and health in adults in Australia and New Zealand MJA 196 (11) 2012.

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

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

SA

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Lipids

Status	Random		
Cholesterol	5.9 H	mmol/L	<5.0
Triglyceride	0.6	mmol/L	<2.0
HDL Cholesterol	1.9	mmol/L	>1.0
Chol/HDL Ratio	3.1		<3.5
LDL Cholesterol	3.7 H	mmol/L	<3.0
Non HDL Cholesterol	4.0 H	mmol/L	<3.9

Non-fasting samples now accepted for lipids.

Comments

TARGET LEVELS:

The National Vascular Disease Prevention Alliance (NVDPA) treatment target levels for high risk people (known coronary heart and other arterial disease, diabetes, chronic renal failure, Aboriginal and Torres Strait Islander peoples) are:

Total Cholesterol	<4.0 mmol/L
HDL-Cholesterol	>=1.00 mmol/L
Fasting Triglycerides	<2.0 mmol/L
Non-HDL Cholesterol	<2.5 mmol/L

Increased non-HDL Cholesterol is a significant marker for subclinical atherosclerosis (ref: Cardiology Today 2013; 3(2) : pp25-27).

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26-06-2024 19:25

Cortisol

Cortisol am (6am-10am)	280	nmol/L	150 - 535
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EM

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Haemoglobin A1c (HbA1c)

Hb A1c	5.5	%	<6.5
HbA1c mmol/mol	36	mmol/mol	<48

Comments

HbA1c is now Medicare rebateable (once per year) for diagnosis of diabetes mellitus in high risk people. The diagnostic cut-off is HbA1c $\geq 6.5\%$ and/or 48 mmol/mol.

Queries: Dr A. Simpson, Dr K. Kahapola, Dr D. Bell and Dr P. Glendenning (08)9371 4200.

SS

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Haematology

Test Name	Result	Units	Reference Interval	Comment
Haemoglobin	152	g/L	130 - 180	
Red cell count	4.9	$\times 10^{12}/L$	4.5 - 6.5	
Haematocrit	0.46		0.40 - 0.54	
MCV	93	fL	80 - 100	
MCH	31	pg	27 - 32	
MCHC	334	g/L	310 - 360	
RDW	12.2		10 - 15	
White cell count	4.3	$\times 10^9/L$	4.0 - 11.0	
Neutrophils	2.0	$\times 10^9/L$	2.0 - 7.5	
Lymphocytes	1.9	$\times 10^9/L$	1.2 - 4.0	
Monocytes	0.4	$\times 10^9/L$	0.2 - 1.0	
Eosinophils	<0.1	$\times 10^9/L$	0.0 - 0.5	
Basophils	<0.1	$\times 10^9/L$	0.0 - 0.1	
Platelets	247	$\times 10^9/L$	150 - 400	

Comments

The full blood count parameters are within the acceptable ranges.

HA

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26-06-2024 19:16