

Referrer **Dr Joshua Lim**

Address **BURWOOD HEALTH CARE 400 BURWOOD HWY CNR  
MIDDLEBOROUGH RD  
BURWOOD VIC 3125**

Phone **98888177**

Lab ID **972038585**

DOB **03/08/1952 (72 Yrs MALE)**

Your ref.

Address **20 GOOLD ST  
BURWOOD VIC 3125**

Phone **0425714959**

Copy to Emailed Patient Copy (0392877700)

Clinical Notes No clinical notes provided

Requested **07/10/2024**

Collected **22/10/2024 10:07**

Received **22/10/2024 10:08**

Test Name	Result	Units	Reference Interval	Comment
● S Cholesterol:	<b>3.4 L</b>	mmol/L	3.5 - 5.5	<b>LOW</b>
S Triglycerides:	0.8	mmol/L	<1.7	
S HDL-Cholesterol:	1.48	mmol/L	>1.00	
S LDL-Cholesterol:	1.6	mmol/L	<3.5	
Chol/HDL C	2.3		<4.5	
Non HDL Cholesterol	1.9	mmol/L	<3.9	

#### Comments

##### LIPID TARGET LEVELS:

The treatment target levels for people at high risk of cardiovascular disease are:

Total Cholesterol	<4.0 mmol/L
Fasting Triglycerides	<2.0 mmol/L
HDL-Cholesterol	>1.00 mmol/L
LDL-Cholesterol	<2.5 mmol/L (<1.8 mmol/L if very high risk)
Non-HDL Cholesterol	<3.3 mmol/L (<2.5 mmol/L if very high risk)

Source: AACB Harmonised Lipid Reporting Guideline - 2018.

Risk Calculator available at [www.cvdcheck.org.au](http://www.cvdcheck.org.au)

Dept Supervising Pathologist: Dr Andrew Carter

MELBOURNE PATHOLOGY NATA NO.:2133

22-10-2024 23:22

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## THYROID FUNCTION TESTS

Test Name	Result	Units	Reference Interval	Comment
TSH (Roche)	3.88	mU/L	0.5 - 6.0	

### Comments

A normal TSH is consistent with a euthyroid state.

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## IRON STUDIES

Test Name	Result	Units	Reference Interval	Comment
Ferritin	178	ng/mL	30 - 500	

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Test Name	Result	Units	Reference Interval	Comment
25-Hydroxy Vitamin D	67	nmol/L	50 - 250	

#### Comments

Vitamin D levels should ideally be above 50 nmol/L in winter and 70 nmol/L in summer. Levels above 75 nmol/L may be desirable in people with osteoporosis or falls.

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Test Name	Result	Units	Reference Interval	Comment
S Folate:	34.0	nmol/L	>6.0	
Total Vitamin B12:	440	pmol/L	200 - 700	

#### Comments

High dose biotin (>5 mg/day) may artefactually increase total Vitamin B12 and Folate results obtained by this method. If the patient is taking 5-20 mg/day of biotin, suggest withhold for at least 8 hours before blood test (if taking 300 mg/day, withhold for at least 72 hours).  
For clinicians requiring assistance with interpreting this report, a Chemical Pathologist or Clinical Scientist will be available during office hours on (03) 9287 7733.

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Test Name	Result	Units	Reference Interval	Comment
S Sodium:	141	mmol/L	135 - 145	
S Potassium:	4.8	mmol/L	3.5 - 5.5	
S Chloride:	106	mmol/L	95 - 110	
S Bicarbonate:	23	mmol/L	20 - 32	
S Urea:	8.2	mmol/L	3.5 - 9.5	
S Creatinine:	75	umol/L	60 - 115	
eGFR	87		>59	
S Bilirubin:	6	umol/L	4 - 20	
S Alkaline Phosphatase:	52	U/L	35 - 110	
S Gamma-GT:	24	U/L	5 - 50	
S ALT:	21	U/L	5 - 40	
S AST:	22	U/L	10 - 40	
S Total Protein:	69	g/L	63 - 80	
S Albumin:	38	g/L	34 - 45	
S Globulin:	31	g/L	23 - 41	

**Comments**

eGFR between 60 and 90 mL/min/1.73m2 could be normal if it is stable over time. Otherwise, consider testing for albuminuria using first morning void if indicated.

For clinicians requiring assistance with interpreting this report, a Chemical Pathologist or Clinical Scientist will be available during office hours on (03) 9287 7733.

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Test Name	Result	Units	Reference Interval	Comment
S Testosterone	12.9	nmol/L	9.9 - 27.8	
SHBG	40	nmol/L	19 - 76	
Free Test (VC)	243	pmol/L	130 - 570	

#### Comments

PLEASE NOTE: High dose biotin (>5 mg/day) may artefactually affect the hormone results. If the patient is taking 5-20 mg/day of biotin, suggest withhold for at least 8 hours before blood test (if taking 300 mg/day, withhold for at least 72 hours).

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**GLYCOHAEMOGLOBIN HbA1c**

Test Name	Result	Units	Reference Interval	Comment
● +HbA1c (NGSP) - Roche	<b>6.3 H</b>	%	4.4 - 5.6	<b>HIGH</b>
● +HbA1c (IFCC) - Roche	<b>45 H</b>	mmol/mol	25 - 38	<b>HIGH</b>
Estimated Average Glucose	7.4	mmol/L		

**Comments**

HbA1c is now Medicare rebateable (once per year) for diagnosis of diabetes mellitus in high risk people. The diagnostic cut-off is HbA1c  $\geq 6.5\%$  (48 mmol/mol).  
For clinical enquiries, please contact Chemical Pathologist Dr Andrew Carter on ph:9287 7720.

+ HbA1c result generated by Roche Cobas immunoassay method.  
\* HbA1c result generated by Sebia capillary electrophoresis method.

Dept Supervising Pathologist: Dr Linda Saravanan

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PSA	0.49	ug/L	0.3 - 6.5	

#### Comments

This PSA result does not indicate a high risk for prostate cancer. In asymptomatic men aged 70 years or above further PSA testing is not recommended unless life expectancy exceeds 7 years.

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HAEMOGLOBIN	147	g/L	125 - 175	
Haematocrit	0.44		0.39 - 0.51	
Red cell count	4.8	x10 <sup>12</sup> /L	4.2 - 5.8	
M.C.V.	92	fL	80 - 100	
M.C.H.	31	pg	27 - 34	
M.C.H.C.	332	g/L	310 - 360	
RDW	14.2		11 - 17	
PLATELETS	226	x 10 <sup>9</sup> /L	150 - 450	
WHITE CELL COUNT	6.6	x10 <sup>9</sup> /L	4.0 - 11.0	
Neutrophils	3.0	x10 <sup>9</sup> /L	2.0 - 7.5	
Lymphocytes	2.1	x10 <sup>9</sup> /L	1.0 - 4.0	
Monocytes	1.0	x10 <sup>9</sup> /L	0 - 1.0	
Eosinophils	0.5	x10 <sup>9</sup> /L	0 - 0.5	
Basophils	0.1	x10 <sup>9</sup> /L	0 - 0.3	

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