

Referrer Dr Renuka Mcvay

Address SUMMERS AVE FAM MED PRAC 523 PACIFIC HIGHWAY
MOUNT COLAH NSW 2079

Phone 0294823500

Lab ID 854974496

DOB 17/10/1963 (61 Yrs MALE)

Your ref. 00228202

Address 91 BEROWRA WATERS ROAD
BEROWRA NSW 2081

Phone 0432024989

Copy to Dr Malini Govindan (0294821155)

Requested 26/08/2024

Clinical Notes Telehealth , Alcoholism; aortic valve disease.

Collected 25/10/2024 11:48

Received 25/10/2024 11:51

Biochemistry

Test Name	Result	Units	Reference Interval
Status	Fasting		
Sodium	141	mmol/L	135 - 145
Potassium	4.6	mmol/L	3.5 - 5.5
Chloride	105	mmol/L	95 - 110
Bicarbonate	25	mmol/L	20 - 32
● Urea	2.7 L	mmol/L	3.5 - 9.0
Creatinine	60	umol/L	60 - 110
eGFR	>90	mL/min/1.73m2	>59
Urate	0.23	mmol/L	0.20 - 0.50
Calcium	2.35	mmol/L	2.15 - 2.55
Corrected Calcium	2.29	mmol/L	2.15 - 2.55
Phosphate	1.40	mmol/L	0.8 - 1.5
Total Bilirubin	11	umol/L	4 - 20
Alk Phos	105	U/L	35 - 110
● Gamma GT	471 H	U/L	5 - 50
● LDH	276 H	U/L	120 - 250
● AST	249 H	U/L	10 - 40
● ALT	159 H	U/L	5 - 40
Total Protein	72	g/L	64 - 83
Albumin	46	g/L	36 - 47
Globulin	26	g/L	23 - 39
● Cholesterol	7.5 H	mmol/L	<5.5
Triglycerides	1.2	mmol/L	<2.0

Referrer **Dr Renuka Mcvay**

Address SUMMERS AVE FAM MED PRAC 523 PACIFIC HIGHWAY
MOUNT COLAH NSW 2079

Phone 0294823500

Lab ID **854974496**

DOB **17/10/1963 (61 Yrs MALE)**

Your ref. 00228202

Address 91 BEROWRA WATERS ROAD
BEROWRA NSW 2081

Phone 0432024989

Copy to Dr Malini Govindan (0294821155)

Requested 26/08/2024

Clinical Notes Telehealth, Alcoholism; aortic valve disease.

Collected 25/10/2024 11:48

Received 25/10/2024 11:51

Comments

Elevated LFTs. Causes include medications, alcohol, fatty change or viral agents.

Raised lipids with predominant hypercholesterolaemia.
Secondary causes include hypothyroidism, nephrotic syndrome, cholestasis/biliary obstruction, pancreatic disease and drugs, e.g. thiazides, beta blockers and corticosteroids.

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

NATA ACCREDITATION NO 2178

Reported on 26-Oct-24 13:11

FINAL REPORT

Lab ID 854974496

DOB 17/10/1963 (61 Yrs MALE)

Referrer Dr Renuka Mcvay

Your ref. 00228202

Address SUMMERS AVE FAM MED PRAC 523 PACIFIC HIGHWAY
MOUNT COLAH NSW 2079

Address 91 BEROWRA WATERS ROAD
BEROWRA NSW 2081

Phone 0294823500

Phone 0432024989

Copy to Dr Malini Govindan (0294821155)

Requested 26/08/2024

Clinical Notes Telehealth , Alcoholism; aortic valve disease.

Collected 25/10/2024 11:48

Received 25/10/2024 11:51

Lipids and HDL

Test Name	Result	Units	Reference Interval
Status	Fasting		
● Cholesterol	7.5 H	mmol/L	<5.5
Triglycerides	1.2	mmol/L	<2.0
HDL Cholesterol	2.6	mmol/L	>1.0
● LDL Cholesterol	4.3 H	mmol/L	<3.0
● Non-HDL Cholesterol	4.9 H	mmol/L	<4.0

Referrer **Dr Renuka Mcvay**

Address SUMMERS AVE FAM MED PRAC 523 PACIFIC HIGHWAY
MOUNT COLAH NSW 2079

Phone 0294823500

Lab ID **854974496**

DOB **17/10/1963 (61 Yrs MALE)**

Your ref. 00228202

Address 91 BEROWRA WATERS ROAD
BEROWRA NSW 2081

Phone 0432024989

Copy to Dr Malini Govindan (0294821155)

Requested 26/08/2024

Clinical Notes Telehealth , Alcoholism; aortic valve disease.

Collected 25/10/2024 11:48

Received 25/10/2024 11:51

Comments

Hypercholesterolaemia noted in previous episode(s) with LDL cholesterol between 5.0 and 6.4 mmol/L.
Secondary causes (e.g. hypothyroidism, cholestasis and nephrotic syndrome) should be excluded.

In the absence of secondary causes, the possibility of familial hypercholesterolaemia (FH) needs to be considered.

Clinical features of FH include tendon xanthomata and personal or family history of premature atherogenesis.

Calculation of the likelihood of FH is available at www.athero.org.au/fh/calculator

If not already undertaken, recommend specialist review and, for a patient with signs of premature or accelerated atherogenesis, consideration of Medicare rebated genetic testing for FH.

In patients with a first- or second-degree relative with a documented causative FH gene identified, genetic testing for FH is eligible for a Medicare rebate as a general practitioner request.

For further information, please also see www.sonicgenetics.com.au/fh

Please note that the above reference limits are decision limits.
A flag based on these limits is an indication to review the absolute cardiovascular risk for the patient. For assessment of absolute cardiovascular disease risk please see www.cvdcheck.org.au

The above decision limits are based on the European Atherosclerosis Society (EAS) and European Federation of Clinical Chemistry and Laboratory Medicine (EFLM) Consensus Statement 2016 and the Australasian Association of Clinical Biochemistry and Laboratory Medicine (AACB) Lipid Reporting Guideline 2018.

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

Total cholesterol	<4.0 mmol/L
Triglyceride	<2.0 mmol/L
HDL cholesterol	>1.0 mmol/L
LDL cholesterol	<2.5 mmol/L (<1.8 mmol/L for very high risk)
Non-HDL cholesterol	<3.3 mmol/L (<2.5 mmol/L for very high risk)

High risk - Primary prevention Very high risk - Secondary prevention

Target values from the AACB Lipid Reporting Guideline 2018.

Please note that as there is a continuum of risk, benefits are obtained for any measured lipid components moving towards and beyond the various target levels.

NATA ACCREDITATION NO 2178

Reported on 25-Oct-24 22:41

Referrer Dr Renuka Mcvay

Address SUMMERS AVE FAM MED PRAC 523 PACIFIC HIGHWAY
MOUNT COLAH NSW 2079

Phone 0294823500

Lab ID 854974496

DOB 17/10/1963 (61 Yrs MALE)

Your ref. 00228202

Address 91 BEROWRA WATERS ROAD
BEROWRA NSW 2081

Phone 0432024989

Copy to Dr Malini Govindan (0294821155)

Requested 26/08/2024

Clinical Notes Telehealth , Alcoholism; aortic valve disease.

Collected 25/10/2024 11:48

Received 25/10/2024 11:51

C Reactive Protein (High Sens)

Test Name	Result	Units	Reference Interval
CRP	1.0	mg/L	0.0 - 5.0

NATA ACCREDITATION NO 2178

Reported on 25-Oct-24 22:41

25-OH Vitamin D

Test Name	Result	Units	Reference Interval
● Vitamin D	32 L	nmol/L	50 - 140

Comments

Consistent with mild Vitamin D deficiency.
Due to the prolonged half-life of 25-OH Vitamin D, reassessment of Vitamin D status should not be undertaken until at least 3 to 4 months after implementing supplementation or changing the dose of replacement therapy. 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.

NATA ACCREDITATION NO 2178

Reported on 26-Oct-24 00:21

Referrer **Dr Renuka Mcvay** Lab ID **854974496** DOB **17/10/1963 (61 Yrs MALE)**
Address SUMMERS AVE FAM MED PRAC 523 PACIFIC HIGHWAY Your ref. 00228202
MOUNT COLAH NSW 2079 Address 91 BEROWRA WATERS ROAD
Phone 0294823500 BEROWRA NSW 2081
Phone 0432024989

Copy to Dr Malini Govindan (0294821155) Requested 26/08/2024
Clinical Notes Telehealth , Alcoholism; aortic valve disease. Collected 25/10/2024 11:48 Received 25/10/2024 11:51

Glucose

Test Name	Result	Units	Reference Interval
Glucose Fasting	5.0	mmol/L	3.6 - 6.0

NATA ACCREDITATION NO 2178

Reported on 25-Oct-24 19:18

Thyroid Function

Test Name	Result	Units	Reference Interval
TSH	0.68	mIU/L	0.40 - 4.00

NATA ACCREDITATION NO 2178

Reported on 25-Oct-24 23:17

PSA (Abbott Method)

Test Name	Result	Units	Reference Interval
Total PSA	0.82	ug/L	0.30 - 4.5

Comments

This PSA result does not indicate a high risk for prostate cancer. If indicated consider follow-up PSA testing in 2 years.

NATA ACCREDITATION NO 2178

Reported on 25-Oct-24 23:17

Referrer Dr Renuka Mcvay

Address SUMMERS AVE FAM MED PRAC 523 PACIFIC HIGHWAY
MOUNT COLAH NSW 2079

Phone 0294823500

Lab ID 854974496

DOB 17/10/1963 (61 Yrs MALE)

Your ref. 00228202

Address 91 BEROWRA WATERS ROAD
BEROWRA NSW 2081

Phone 0432024989

Copy to Dr Malini Govindan (0294821155)

Requested 26/08/2024

Clinical Notes Telehealth , Alcoholism; aortic valve disease.

Collected 25/10/2024 11:48

Received 25/10/2024 11:51

Parathyroid Hormone

(Intact (1-84) PTH measured by Roche method.)

Intact Parathyroid Hormone	5.8	pmol/L	1.6 - 6.9
Calcium	2.35	mmol/L	2.15 - 2.55
Corrected Calcium	2.29	mmol/L	2.15 - 2.55
Albumin	46	g/L	36 - 47

NATA ACCREDITATION NO 2178

Reported on 25-Oct-24 22:41

Haemoglobin A1c

Test Name	Result	Units	Reference Interval
HbA1c (IFCC)	31	mmol/mol	20 - 38
HbA1c (NGSP)	5.0	%	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 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.

NATA ACCREDITATION NO 2178

Reported on 26-Oct-24 00:40

Lab ID 854974496

DOB 17/10/1963 (61 Yrs MALE)

Referrer Dr Renuka Mcvay

Your ref. 00228202

Address SUMMERS AVE FAM MED PRAC 523 PACIFIC HIGHWAY
MOUNT COLAH NSW 2079

Address 91 BEROWRA WATERS ROAD
BEROWRA NSW 2081

Phone 0294823500

Phone 0432024989

Copy to Dr Malini Govindan (0294821155)

Requested 26/08/2024

Clinical Notes Telehealth , Alcoholism; aortic valve disease.

Collected 25/10/2024 11:48

Received 25/10/2024 11:51

Vitamin B12 and Folate

Test Name	Result	Units	Reference Interval
Vitamin B12	221	pmol/L	135 - 650
Active B12	55	pmol/L	>35

Comments

From 27 November 2023, active B12 (holotranscobalamin) testing will be performed on all patients with low or equivocal (at or below 400 pmol/L) total B12 results. Both tests are eligible for a Medicare rebate under these circumstances.

NATA ACCREDITATION NO 2178

Reported on 25-Oct-24 23:17

Lab ID 854974496

DOB 17/10/1963 (61 Yrs MALE)

Referrer Dr Renuka Mcvay

Your ref. 00228202

Address SUMMERS AVE FAM MED PRAC 523 PACIFIC HIGHWAY
MOUNT COLAH NSW 2079

Address 91 BEROWRA WATERS ROAD
BEROWRA NSW 2081

Phone 0294823500

Phone 0432024989

Copy to Dr Malini Govindan (0294821155)

Requested 26/08/2024

Clinical Notes Telehealth , Alcoholism; aortic valve disease.

Collected 25/10/2024 11:48

Received 25/10/2024 11:51

Haematology

Test Name	Result	Units	Reference Interval
Haemoglobin	153	g/L	130 - 180
● Red cell count	4.3 L	$\times 10^{12}/L$	4.5 - 6.5
Haematocrit	0.44		0.39 - 0.54
● MCV	103 H	fL	80 - 100
● MCH	36.0 H	pg	27.0 - 32.0
MCHC	350	g/L	310 - 360
RDW	13.1		10.0 - 15.0
White cell count	6.7	$\times 10^9/L$	4.0 - 11.0
Neutrophils	4.05	$\times 10^9/L$	2.0 - 7.5
Lymphocytes	1.90	$\times 10^9/L$	1.0 - 4.0
Monocytes	0.64	$\times 10^9/L$	0.0 - 1.0
Eosinophils	0.08	$\times 10^9/L$	0.0 - 0.5
Basophils	0.07	$\times 10^9/L$	0.0 - 0.3
NRBC	<1.0	/100 WBC	<1
Platelets	187	$\times 10^9/L$	150 - 450

Comments

Macrocytosis

NATA ACCREDITATION NO 2178

Reported on 25-Oct-24 20:42