

BOWERMAN, KATHERINE PHYLLIS  
72 LOCK STREET, MANJIMUP. 6258

Phone: 0408307811

Birthdate: 10/12/1993 Sex: F Medicare Number: 62174148951

Your Reference: Lab Reference: F120003178

Laboratory: PathWest

Addressee: DR PETER JOHN WUTCHAK Referred by: DR PETER JOHN WUTCHAK

Name of Test: Lipids

Requested: 14/07/2023 Collected: 20/07/2023 Reported: 20/07/2023  
09:56

#### LIPIDS

Specimen: Plasma Collected: 20/07/2023 08:12 Received: 20/07/2023 08:12

Test Name	Result	Flag	Ref-Range	Units
Fasting Status	Fasting			
Total Cholesterol	4.9		<=5.5	mmol/L
Triglyceride	0.7		<=2.0	mmol/L
HDL cholesterol	1.3		>=1.2	mmol/L
LDL cholesterol	3.3	H	<=3.0	mmol/L
Non HDL cholesterol	3.6		<=4.0	mmol/L

Comment See below

Pharmacotherapy for lipid lowering should aim towards the following targets while balancing the risks/benefits.

Total cholesterol <4.0 mmol/L

Triglyceride <2.0 mmol/L

HDL cholesterol >=1.0 mmol/L

LDL cholesterol <2.0 mmol/L

Non HDL cholesterol <2.5 mmol/L

[National Vascular Disease Prevention Alliance. Guidelines for the management of absolute cardiovascular disease risk. 2012]

Absolute cardiovascular risk assessment should be performed on all adults aged between 45-75 years without existing CVD or not already known to be at increased risk of CVD.

(A CVD risk calculator is provided at [www.cvdcheck.org.au/](http://www.cvdcheck.org.au/))

Key for Lab Flag Column: L - Low, H - High, AB - Abnormal

Key for Micro - \*\* Result modified after Final Status

ROUTINE BIOCHEMISTRY

Specimen: Plasma Collected: 20/07/2023 08:12 Received: 20/07/2023 08:12  
 Specimen: Plasma Collected: 20/07/2023 08:12 Received: 20/07/2023 08:12  
 Test Name Result Flag Ref-Range Units

Electrolytes, Urea and Creatinine

Sodium	137	135 - 145	mmol/L
Potassium	4.0	3.5 - 5.2	mmol/L
Bicarbonate	25	22 - 32	mmol/L
Urea	5.4	3.0 - 8.0	mmol/L
Creatinine	57	45 - 90	umol/L
eGFR	>90	>60	mL/min/1.73m2
eGFR Comment	See below		

Estimated GFR (eGFR) by CKD-EPI algorithm uses creatinine, sex and patient age ONLY. eGFR is only applicable to patients with stable medical conditions, may not always be appropriate for drug dosing and does not apply to pregnant females, children, advanced age, extremes of weight or patients on dialysis.

Glucose

Fasting Status	Fasting		
Glucose	5.2	3.0 - 5.4	mmol/L

Liver Function Tests

Total Protein	75	60 - 80	g/L
Albumin	41	35 - 50	g/L
Globulin	34	25 - 42	g/L
Bilirubin	11	<20	umol/L
ALT	16	<35	U/L
ALP	30	30 - 110	U/L
GGT	15	<40	U/L
C Reactive Protein	<1.0	<5.0	mg/L

Calcium Studies

Calcium - Total	2.41	2.10 - 2.60	mmol/L
Albumin	41	35 - 50	g/L
Calcium - Corrected	2.39	2.10 - 2.60	mmol/L
Phosphate	1.22	0.75 - 1.50	mmol/L

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# FULL BLOOD PICTURE

Specimen: Blood Collected: 20/07/2023 08:12 Received: 20/07/2023 08:12

Test Name	Result	Flag Ref-Range	Units
White cell count	4.74	4.00 - 11.00	10*9/L
Haemoglobin	133	115 - 160	g/L
Platelet count	344	150 - 400	10*9/L
Red cell count	4.39	3.80 - 4.80	10*12/L
Haematocrit	0.39	0.37 - 0.47	L/L
Mean cell volume	88	80 - 100	fL
MCH	30.3	27.0 - 32.0	pg
MCHC	343	320 - 360	g/L
RDW	12.7	9.0 - 15.0	CV%
MPV	9	8 - 12	fL

## Absolute Cell Count

Neutrophils	2.56	2.00 - 7.50	10*9/L
Lymphocytes	1.47	1.20 - 4.00	10*9/L
Monocytes	0.48	0.20 - 1.00	10*9/L
Eosinophils	0.19	0.00 - 0.50	10*9/L
Basophils	0.04	0.00 - 0.20	10*9/L

## Differential

Neutrophils	54.1	%
Lymphocytes	31.0	%
Monocytes	10.1	%
Eosinophils	4.0	%
Basophils	0.8	%

## Erythrocyte Sedimentation Rate

ESR	6	1 - 20	mm/h
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# IMMUNOGLOBULINS

Specimen: Serum Collected: 20/07/2023 08:12 Received: 21/07/2023 11:21

Test Name	Result	Flag Ref-Range	Units
Immunoglobulin A	1.65	0.60 - 3.40	g/L
Comment	See below		

Coeliac serology to follow.

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Key for Micro - \*\* Result modified after Final Status

# DIABETES MELLITUS TESTING

Specimen: Blood Collected: 20/07/2023 08:12 Received: 21/07/2023 11:19

Test Name	Result	Flag Ref-Range	Units
HbA1c (NGSP)	5.2	<6.0	%
HbA1c (IFCC)	33	<42	mmol/mol
Comment	See below		

Not consistent with diabetes mellitus.

Interpret HbA1c results with caution in the presence of

haemoglobinopathy, anaemia, iron deficiency or renal failure.

The diagnostic utility of HbA1c has not been established in children or pregnancy.

Key for Lab Flag Column: L - Low, H - High, AB - Abnormal  
Key for Micro - \*\* Result modified after Final Statu

#### IRON STUDIES

Specimen: Serum Collected: 20/07/2023 08:12 Received: 21/07/2023 11:21

Test Name	Result	Flag Ref-Range	Units
Ferritin	128	30 - 300	ug/L
Iron	22	9 - 30	umol/L
Transferrin	28	23 - 46	umol/L
Transferrin saturation	39	13 - 45	%
Comment	See below		

Normal results.

Key for Lab Flag Column: L - Low, H - High, AB - Abnormal  
Key for Micro - \*\* Result modified after Final Status

#### THYROID FUNCTION TESTS

Specimen: Serum Collected: 20/07/2023 08:12 Received: 21/07/2023 11:21

Test Name	Result	Flag Ref-Range	Units
TSH	1.01	0.40 - 4.00	mU/L
Free thyroxine	12	9 - 19	pmol/L

Key for Lab Flag Column: L - Low, H - High, AB - Abnormal  
Key for Micro - \*\* Result modified after Final Status

#### VITAMINS

Specimen: Serum Collected: 20/07/2023 08:12 Received: 21/07/2023 11:21

Test Name	Result	Flag Ref-Range	Units
Vitamin B12	340	140 - 1000	pmol/L
Comment	See below		

Vitamin B12 deficiency is unlikely. Holotranscobalamin (Active B12) is not indicated. This result should be interpreted with the clinical picture.

Folate	37.5	>7.0	nmol/L
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#### CALCIUM AND BONE MARKERS

Specimen: Serum Collected: 20/07/2023 08:12 Received: 21/07/2023 11:21

Test Name	Result	Flag Ref-Range	Units
Vitamin D 25 OH	99	>50	nmol/L

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ENTERIC PCR

Specimen: Faeces Collected: 20/07/2023 07:30 Received: 21/07/2023 13:40  
 Test Name Result Flag Ref-Range Units

SPECIMEN

Consistency Loose

BACTERIAL PCR

Salmonella Not detected  
 Shigella/Enteroinvasive Not detected  
 E.coli  
 Campylobacter Not detected  
 Shiga toxin 1 and/or 2 Not detected  
 genes

PARASITE PCR

Giardia intestinalis Not detected  
 Cryptosporidium Not detected  
 Entamoeba histolytica Not detected

ENTERIC PCR COMMENT

Comment See below

This test has not been fully validated to the current NPAAC requirements. Therefore, it is not NATA/RCPA endorsed and the results should be interpreted with other clinical and laboratory information. For further information please contact the laboratory.

Key for Lab Flag Column: L - Low, H - High, AB - Abnormal

Key for Micro - \*\* Result modified after Final Status

FAECAL BIOCHEMISTRY TESTS

Specimen: Faeces Collected: 20/07/2023 07:30 Received: 21/07/2023 15:14  
 Test Name Result Flag Ref-Range Units

Faecal Calprotectin  
 Calprotectin 6 <100 ug/g faeces

Test ID Calprotectin  
 Ref Range <100  
 Units ug/g faeces

Lab Order# Collected: Specimen:  
 F120003289 20/07/23 07:30 Faeces 6

Key for Lab Flag Column: L - Low, H - High, AB - Abnormal

Key for Micro - \*\* Result modified after Final Status

IMMUNOLOGY

Specimen: Serum  
 Collected: 20/07/2023 08:12 Received: 21/07/2023 13:51

Coeliac Screen

	23/11/2021 09:24 C123004026	20/07/2023 08:12 F120003178	Ref Range	Unit
Immunoglobulin A	1.69	1.65	0.60 - 3.40	g/L
Tissue transglutaminase IgA	1	1	< 7	U/mL
TTA result interpretation				
Comments for F120003178				
Method TTGA:				
Reference Ranges for IgA tTG				
<7 U/mL: Normal				
7-10 U/mL: Equivocal				

>10 U/mL: Positive

IgA tissue TransGlutaminase (tTG) positivity has a high specificity for coeliac disease although small bowel biopsy is recommended to confirm the diagnosis. Serological tests may miss 5% of true coeliac patients and may be negative if the patient is on a gluten free diet. If there is a strong clinical suspicion, small bowel biopsy whilst on gluten-containing diet is diagnostic.

Legend: H=High L=Low

#### IMMUNOGLOBULINS

Specimen: Serum Collected: 20/07/2023 08:12 Received: 21/07/2023 11:21  
Test Name Result Flag Ref-Range Units

Immunoglobulin A 1.65 0.60 - 3.40 g/L

Comment See below

Coeliac serology to follow.

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72 LOCK STREET, MANJIMUP. 6258

Phone: 0408307811

Birthdate: 10/12/1993 Sex: F Medicare Number: 62174148951

Your Reference: Lab Reference: F120003289

Laboratory: PathWest

Addressee: DR PETER JOHN WUTCHAK Referred by: DR PETER JOHN WUTCHAK

Name of Test: Enteric Investigations

Requested: 14/07/2023 Collected: 20/07/2023 Reported: 21/07/2023  
18:59

ENTERIC INVESTIGATIONS

Specimen: Faeces

Collected: 20/07/2023 07:30

Received: 20/07/2023 08:19

Ova, Cysts and Parasites

FINAL

Seen: Blastocystis hominis (blahom)

The clinical significance of Blastocystis species is unclear, but if there is ongoing diarrhoea and no alternative pathogen is found, treatment with metronidazole or trimethoprim-sulfamethoxazole may be considered.

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#### Comments

Human papillomavirus High-risk Screening PCR was cancelled; Swab sent to VCS.

Cervical Screening Test was cancelled; V

#### VCS CERVICAL SCREENING

Test Name Result Flag Ref-Range Units

Specimen: Collected: 20/07/2023 07:50 Received: 27/07/2023 09:29

Referred to Victorian

Cytology

Services

Date Referred 27/07/2023

Cervical Screening See below

Testing has been completed by the external referral laboratory.

A copy of the report is attached or alternatively a hardcopy report

