

BOWERMAN, KATHERINE PHYLLIS
 72 LOCK STREET, MANJIMUP. 6258
 Phone: 0408307811
 Birthdate: 10/12/1993 Sex: F Medicare Number: 62174148951
 Your Reference: Lab Reference: G018005033
 Laboratory: PathWest
 Addressee: DR PETER JOHN WUTCHAK Referred by: DR PETER JOHN WUTCHAK

Name of Test: Full Blood Picture
 Requested: 16/04/2024 Collected: 18/04/2024 Reported: 18/04/2024 12:58

FULL BLOOD PICTURE

Specimen: Blood Collected: 18/04/2024 10:15 Received: 18/04/2024 12:50

Test Name	Result	Flag Ref-Range	Units
White cell count	8.00	4.00 - 11.00	10 ⁹ /L
Haemoglobin	129	115 - 160	g/L
Platelet count	360	150 - 400	10 ⁹ /L
Red cell count	4.26	3.80 - 4.80	10 ¹² /L
Haematocrit	0.38	0.37 - 0.47	L/L
Mean cell volume	90	80 - 100	fL
MCH	30.3	27.0 - 32.0	pg
MCHC	336	320 - 360	g/L
RDW	12.4	9.0 - 15.0	CV%
MPV	10	8 - 12	fL
Absolute Cell Count			
Neutrophils	5.45	2.00 - 7.50	10 ⁹ /L
Lymphocytes	1.68	1.20 - 4.00	10 ⁹ /L
Monocytes	0.61	0.20 - 1.00	10 ⁹ /L
Eosinophils	0.20	0.00 - 0.50	10 ⁹ /L
Basophils	0.06	0.00 - 0.20	10 ⁹ /L
Differential			
Neutrophils	68.1		%
Lymphocytes	21.0		%
Monocytes	7.6		%
Eosinophils	2.5		%
Basophils	0.8		%

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

BOWERMAN, KATHERINE PHYLLIS
 72 LOCK STREET, MANJIMUP. 6258
 Phone: 0408307811
 Birthdate: 10/12/1993 Sex: F Medicare Number: 62174148951
 Your Reference: Lab Reference: G018005033
 Laboratory: PathWest
 Addressee: DR PETER JOHN WUTCHAK Referred by: DR PETER JOHN WUTCHAK

Name of Test: Routine Biochemistry
 Requested: 16/04/2024 Collected: 18/04/2024 Reported: 18/04/2024 13:14

ROUTINE BIOCHEMISTRY

Specimen: Plasma Collected: 18/04/2024 10:15 Received: 18/04/2024 12:50

Test Name	Result	Flag	Ref-Range	Units
Electrolytes, Urea and Creatinine				
Sodium	140		135 - 145	mmol/L
Potassium	3.6		3.5 - 5.2	mmol/L
Bicarbonate	26		22 - 32	mmol/L
Urea	4.1		3.0 - 8.0	mmol/L
Creatinine	50		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.

Liver Function Tests

Total Protein	76		60 - 80	g/L
Albumin	44		35 - 50	g/L
Globulin	32		25 - 42	g/L
Bilirubin	10		<20	umol/L
ALT	20		<35	U/L
ALP	39		30 - 110	U/L
GGT	22		<40	U/L
C Reactive Protein	<1.0		<5.0	mg/L

Calcium Studies

Calcium - Total	2.31		2.10 - 2.60	mmol/L
Albumin	44		35 - 50	g/L
Calcium - Corrected	2.23		2.10 - 2.60	mmol/L
Phosphate	1.21		0.75 - 1.50	mmol/L

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

BOWERMAN, KATHERINE PHYLLIS
72 LOCK STREET, MANJIMUP. 6258
Phone: 0408307811
Birthdate: 10/12/1993 Sex: F Medicare Number: 62174148951
Your Reference: Lab Reference: G018005033
Laboratory: PathWest
Addressee: DR PETER JOHN WUTCHAK Referred by: DR PETER JOHN WUTCHAK

Name of Test: Erythrocyte Sedimentation Rate
Requested: 16/04/2024 Collected: 18/04/2024 Reported: 18/04/2024 14:52

Test Name	ERYTHROCYTE SEDIMENTATION RATE		
	Result	Flag Ref-Range	Units
ESR	2	1 - 20	mm/h

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

BOWERMAN, KATHERINE PHYLLIS
72 LOCK STREET, MANJIMUP. 6258
Phone: 0408307811
Birthdate: 10/12/1993 Sex: F Medicare Number: 62174148951
Your Reference: Lab Reference: G018005033
Laboratory: PathWest
Addressee: DR PETER JOHN WUTCHAK Referred by: DR PETER JOHN WUTCHAK

Name of Test: Immunoglobulins- GAM
Requested: 16/04/2024 Collected: 18/04/2024 Reported: 19/04/2024 12:20

IMMUNOGLOBULINS

Specimen: Serum Collected: 18/04/2024 10:15 Received: 19/04/2024 11:42

Test Name	Result	Flag	Ref-Range	Units
-----------	--------	------	-----------	-------

Immunoglobulin A	1.56		0.60 - 3.40	g/L
------------------	------	--	-------------	-----

Comment	See below			
---------	-----------	--	--	--

Coeliac serology to follow.

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

BOWERMAN, KATHERINE PHYLLIS
72 LOCK STREET, MANJIMUP. 6258
Phone: 0408307811
Birthdate: 10/12/1993 Sex: F Medicare Number: 62174148951
Your Reference: Lab Reference: G018005033
Laboratory: PathWest
Addressee: DR PETER JOHN WUTCHAK Referred by: DR PETER JOHN WUTCHAK

Name of Test: Diabetes Mellitus Testing
Requested: 16/04/2024 Collected: 18/04/2024 Reported: 19/04/2024 12:24

DIABETES MELLITUS TESTING

Specimen: Blood Collected: 18/04/2024 10:15 Received: 19/04/2024 11:44

Test Name	Result	Flag	Ref-Range	Units
-----------	--------	------	-----------	-------

HbA1c (NGSP)	5.7		<6.0	%
HbA1c (IFCC)	39		<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 Status

BOWERMAN, KATHERINE PHYLLIS
72 LOCK STREET, MANJIMUP. 6258
Phone: 0408307811
Birthdate: 10/12/1993 Sex: F Medicare Number: 62174148951
Your Reference: Lab Reference: G018005033
Laboratory: PathWest
Addressee: DR PETER JOHN WUTCHAK Referred by: DR PETER JOHN WUTCHAK

Name of Test: Thyroid Function Tests
Requested: 16/04/2024 Collected: 18/04/2024 Reported: 19/04/2024 12:25

THYROID FUNCTION TESTS			
Specimen: Serum Collected: 18/04/2024 10:15 Received: 19/04/2024 11:42			
Test Name	Result	Flag Ref-Range	Units
TSH	1.51	0.40 - 4.00	mU/L
Free thyroxine	11	9 - 19	pmol/L

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

BOWERMAN, KATHERINE PHYLLIS
72 LOCK STREET, MANJIMUP. 6258

Phone: 0408307811

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

Your Reference: Lab Reference: G018005033

Laboratory: PathWest

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

Name of Test: Calcium and Bone Markers

Requested: 16/04/2024 Collected: 18/04/2024 Reported: 19/04/2024 12:25

CALCIUM AND BONE MARKERS

Specimen: Serum Collected: 18/04/2024 10:15 Received: 19/04/2024 11:42

Test Name	Result	Flag Ref-Range	Units
-----------	--------	----------------	-------

Vitamin D 25 OH	57	>50	nmol/L
-----------------	----	-----	--------

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

Key for Micro - ** Result modified after Final Status

BOWERMAN, KATHERINE PHYLLIS
72 LOCK STREET, MANJIMUP. 6258
Phone: 0408307811
Birthdate: 10/12/1993 Sex: F Medicare Number: 62174148951
Your Reference: Lab Reference: G018005033
Laboratory: PathWest
Addressee: DR PETER JOHN WUTCHAK Referred by: DR PETER JOHN WUTCHAK

Name of Test: Iron Studies
Requested: 16/04/2024 Collected: 18/04/2024 Reported: 19/04/2024 12:27

IRON STUDIES

Specimen: Serum Collected: 18/04/2024 10:15 Received: 19/04/2024 11:42

Test Name	Result	Flag Ref-Range	Units
Ferritin	118	30 - 300	ug/L
Iron	19	9 - 30	umol/L
Transferrin	27	23 - 46	umol/L
Transferrin saturation	35	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

BOWERMAN, KATHERINE PHYLLIS
72 LOCK STREET, MANJIMUP. 6258
Phone: 0408307811
Birthdate: 10/12/1993 Sex: F Medicare Number: 62174148951
Your Reference: Lab Reference: G018005033
Laboratory: PathWest
Addressee: DR PETER JOHN WUTCHAK Referred by: DR PETER JOHN WUTCHAK

Name of Test: Vitamins
Requested: 16/04/2024 Collected: 18/04/2024 Reported: 19/04/2024 12:44

VITAMINS

Specimen: Serum Collected: 18/04/2024 10:15 Received: 19/04/2024 11:42
Test Name Result Flag Ref-Range Units

Vitamin B12 300 140 - 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 22.1 >7.0 nmol/L

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

BOWERMAN, KATHERINE PHYLLIS
72 LOCK STREET, MANJIMUP. 6258
Phone: 0408307811
Birthdate: 10/12/1993 Sex: F Medicare Number: 62174148951
Your Reference: Lab Reference: G018005033
Laboratory: PathWest
Addressee: DR PETER JOHN WUTCHAK Referred by: DR PETER JOHN WUTCHAK

Name of Test: Sex Steroid Hormones
Requested: 16/04/2024 Collected: 18/04/2024 Reported: 19/04/2024 13:05

SEX STEROID HORMONES

Specimen: Serum Collected: 18/04/2024 10:15 Received: 19/04/2024 11:42

Test Name	Result	Flag Ref-Range	Units
Oestradiol	100	See Below	pmol/L
Luteinising Hormone	4.3	See below	U/L
Follicle stimulating hormone	6	See Below	U/L
Progesterone	2	See Below	nmol/L
Prolactin	210	<420	mU/L
Comment	See below		

Ref values:-----FEMALE-----:

	Follicular:	Luteal	Mid-cycle:	Menopause:
Oestradiol	: 110-450	: 350-800	: 550-1300:	40-130 :
FSH	: 2-10	: 2-10	:	: >18 :
LH	: 2.0-10	: 2.0-10	: 15-80	:
17OH-Prog	: 0.2-2.0	: 0.7-7.0	:	:0.2-2.0 :
Progesterone	: <2	: >4	:	: <2 :
Midluteal Progesterone				
<10 nmol/L	Ovulation unlikely			
10-30 nmol/L	Indeterminate			
>30 nmol/L	Ovulation likely			

Pathologist Review Reviewed.

Authorised by:

Dr. Elaine Sanderson (Registrar).

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

BOWERMAN, KATHERINE PHYLLIS
72 LOCK STREET, MANJIMUP. 6258

Phone: 0408307811

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

Your Reference: Lab Reference: G018005033

Laboratory: PathWest

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

Name of Test: Immunoglobulins- GAM

Requested: 16/04/2024 Collected: 18/04/2024 Reported: 19/04/2024 12:20

IMMUNOGLOBULINS

Specimen: Serum Collected: 18/04/2024 10:15 Received: 19/04/2024 11:42

Test Name	Result	Flag Ref-Range	Units
-----------	--------	----------------	-------

Immunoglobulin A	1.56	0.60 - 3.40	g/L
------------------	------	-------------	-----

Comment	See below		
---------	-----------	--	--

Coeliac serology to follow.

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

Key for Micro - ** Result modified after Final Status

BOWERMAN, KATHERINE PHYLLIS
72 LOCK STREET, MANJIMUP. 6258
Phone: 0408307811
Birthdate: 10/12/1993 Sex: F Medicare Number: 62174148951
Your Reference: Lab Reference: G018005033
Laboratory: PathWest
Addressee: DR PETER JOHN WUTCHAK Referred by: DR PETER JOHN WUTCHAK

Name of Test: Anti Nuclear Antibody
Requested: 16/04/2024 Collected: 18/04/2024 Reported: 22/04/2024 16:16

IMMUNOLOGY

Specimen: Serum
Collected: 18/04/2024 10:15 Received: 19/04/2024 15:30

Anti Nuclear Antibody

	18/04/2024 10:15	Ref Range	Unit
Antinuclear Ab level	15	< 7	IU/mL
Result Flag	POSITIVE		
Antinuclear Ab pattern 1	Speckled M1		
Antinuclear Ab pattern 2	N/A		

Cytoplasmic staining
Comments for G018005033

M1:
Speckled pattern ANA may be associated with systemic rheumatic disorders including systemic lupus erythematosus (SLE), systemic sclerosis (SSc) and mixed connective tissue disease (MCTD). This pattern can also occur in non-specific chronic inflammatory conditions and infections and may also be seen in healthy populations. Suggest testing for anti-dsDNA and anti-ENA antibodies.
Method ANA:
Anti-nuclear antibody (ANA) testing performed by indirect immunofluorescence using Hep2000 cells (Immuno Concepts).

From 19/09/2023, reporting of ANA patterns is consistent with International Consensus on ANA Patterns (ICAP) framework.
Legend: H=High L=Low

22/04/2024 16:16

BOWERMAN, KATHERINE PHYLLIS
72 LOCK STREET, MANJIMUP. 6258
Phone: 0408307811
Birthdate: 10/12/1993 Sex: F Medicare Number: 62174148951
Your Reference: Lab Reference: G018005033
Laboratory: PathWest
Addressee: DR PETER JOHN WUTCHAK Referred by: DR PETER JOHN WUTCHAK

Name of Test: Coeliac Screen
Requested: 16/04/2024 Collected: 18/04/2024 Reported: 23/04/2024 17:11

IMMUNOLOGY
Specimen: Serum
Collected: 18/04/2024 10:15 Received: 19/04/2024 15:30

Coeliac Screen

	23/11/2021	20/07/2023	18/04/2024	Ref Range	Unit
	09:24	08:12	10:15		
	C123004026	F120003178	G018005033		
Immunoglobulin A	1.69	1.65	1.56	0.60 - 3.40	g/L
IgA Tissue	1	1	1	< 7	U/mL
transglutaminase					
TTA result					
interpretation					
Comments for G018005033					
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

23/04/2024 17:11

BOWERMAN, KATHERINE PHYLLIS
72 LOCK STREET, MANJIMUP. 6258
Phone: 0408307811
Birthdate: 10/12/1993 Sex: F Medicare Number: 62174148951
Your Reference: Lab Reference: G018005033
Laboratory: PathWest
Addressee: DR PETER JOHN WUTCHAK Referred by: DR PETER JOHN WUTCHAK

Name of Test: Extractable Nuclear Antigens (screen)
Requested: 16/04/2024 Collected: 18/04/2024 Reported: 30/04/2024 10:24

IMMUNOLOGY

Specimen: Serum
Collected: 18/04/2024 10:15 Received: 19/04/2024 15:30

Extractable Nuclear Antigens (screen)

18/04/2024
10:15
G018005033
Negative

Extractable Nuclear Antigen
screen

Comments for G018005033

Method ENAS:

The ENA antibody screen by ELISA tests for autoantibodies to RNP, Sm, SSA-Ro52, SSA-Ro60, SSB- La, Jo-1 and Topoisomerase 1 (Scl-70), but NOT autoantibodies to ribosomes, centromeres, proliferating cell nuclear antigen (PCNA) or histones. These need to be ordered directly for ENA autoantibody characterisation.

Legend: H=High L=Low

30/04/2024 10:24