

MOSMAN PARK
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23/05/2025

A/Prof Christopher Neil
58A Whitehorse Road
Deepdene 3103
Phone: 1300 870 772
Fax: (03) 8679 0579

Dear A/Prof Christopher Neil,

Mr Reiley Paterson
DOB: 08/06/1987
Address: 3 Shallow Street
Spearwood 6163
PH: 0439929803
Medicare: 6199219475101/2023

Thank you for seeing Reiley. Reiley is a 37 yrs old Male 3 year + history of Chest Pain / Fatigue / Memory Issues / Brain Fog / Blurred vision / Tinnitus / Migraines w aura / Dizziness / Lymphoedema / Myalgia since vaccination with Novavax.

PMHx

12/04/2022	Cvs	- 04/22 - Echo - Normal Ventricula size and function (LVEF 58%) - Prof H.Kamalddin
14/04/2022	Cvs	- 04/22 - Stress Echo - Negative stress echo & ECG - J.Ng
19/05/2022	Cvs	- 05/22 - Echo - LVEF 58%; No Valvular abnormalities
23/05/2022	Cvs	- 05/22 - Echo - NAD
23/05/2022	Cvs.	- 05/22 - Stress Echo - NAD
25/05/2022	Cvs	- 05/22 - Chest pain - FSH
27/05/2022	Cvs	- 05/22 - 2020 - Likely Delta variant (Brazil); 02/2020 - Novavax - Chest Pain - Normal heart investigations - For Cardiac MRI - H.Kamalddin
24/06/2022	Cvs	- 06/22 - Cardiac MRI - NAD - Referral to Tony Ryan for review - H.Kamalddin
22/04/2023	Other	- 04/23 - For referral to Broome Hospital Physicians - Consider trial of low dose naltrexone - T.Ryan
05/09/2023	Other	- 09/23 - Anxiety / Chest Pain / Fatigue / Memory issues / Migraines w aura / Dizziness / Lymphoedema / Myalgia - On multiple supplements - Suggest cease (deranged LFTs) - For CBT, mindfulness, sleep hygiene, staged exercise; GP monitor LFT / UECs - if LFT remain up post for liver USS - L.McShane
16/04/2024	Git	- 04/24 - Gastroscopy - Small antral erosion - Intestinal metaplasia w moderate inflammation - 04/24 - Colonscopy - NAD - G.Cullingford (FH)

Thank you for your care and assistance, I look forward to hearing the outcome of Reiley's attendance

Yours sincerely,



Dr James Prendiville
5193599X

Full Blood Picture on 12/07/2022

FULL BLOOD PICTURE

Specimen: Blood Collected: 12/07/2022 13:30 Received: 12/07/2022 14:31

Test Name	Result	Flag Ref-Range	Units
White cell count	5.37	4.00 - 11.00	10 ⁹ /L
Haemoglobin	150	135 - 180	g/L
Platelet count	281	150 - 400	10 ⁹ /L
Red cell count	5.11	4.50 - 5.50	10 ¹² /L
Haematocrit	0.43	0.40 - 0.54	L/L
Mean cell volume	84	80 - 100	fL
MCH	29.4	27.0 - 32.0	pg
MCHC	350	320 - 360	g/L
RDW	12.0	9.0 - 15.0	CV%
MPV	9	8 - 12	fL
Absolute Cell Count			
Neutrophils	3.55	2.00 - 7.50	10 ⁹ /L
Lymphocytes	1.22	1.20 - 4.00	10 ⁹ /L
Monocytes	0.51	0.20 - 1.00	10 ⁹ /L
Eosinophils	0.06	0.00 - 0.50	10 ⁹ /L
Basophils	0.03	0.00 - 0.20	10 ⁹ /L
Differential			
Neutrophils	66.1		%
Lymphocytes	22.7		%
Monocytes	9.5		%
Eosinophils	1.1		%
Basophils	0.6		%

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

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Routine Biochemistry on 12/07/2022

ROUTINE BIOCHEMISTRY

Specimen: Plasma Collected: 12/07/2022 13:30 Received: 12/07/2022 14:31

Test Name	Result	Flag Ref-Range	Units
Electrolytes, Urea and Creatinine			
Sodium	135	135 - 145	mmol/L
Potassium	3.6	3.5 - 5.2	mmol/L
Bicarbonate	27	22 - 32	mmol/L
Urea	3.9	3.0 - 8.0	mmol/L
Creatinine	64	60 - 110	umol/L
eGFR	>90	>60	mL/min/1.73m ²
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, is inappropriate 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	74	60 - 80	g/L
Albumin	47	35 - 50	g/L
Globulin	27	25 - 42	g/L
Bilirubin	8	<20	umol/L
ALT	15	<40	U/L
ALP	52	30 - 110	U/L
GGT	11	<60	U/L

Calcium Studies

Calcium - Total	2.28	2.10 - 2.60	mmol/L
Calcium - Corrected	2.14	2.10 - 2.60	mmol/L
Magnesium	0.84	0.70 - 1.10	mmol/L
Phosphate	1.37	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

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Iron Studies on 12/07/2022

IRON STUDIES

Specimen: Serum Collected: 12/07/2022 13:30 Received: 13/07/2022 02:08

Test Name	Result	Flag Ref-Range	Units
Ferritin	223	30 - 620	ug/L

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

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Thyroid Function Tests on 12/07/2022

THYROID FUNCTION TESTS

Specimen: Serum Collected: 12/07/2022 13:30 Received: 13/07/2022 02:08

Test Name	Result	Flag Ref-Range	Units
TSH	1.04	0.40 - 4.00	mU/L
Free thyroxine	16	9 - 19	pmol/L

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

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Vitamins on 12/07/2022

VITAMINS

Specimen: Serum Collected: 12/07/2022 13:30 Received: 13/07/2022 02:08

Test Name	Result	Flag Ref-Range	Units
Vitamin B12	410	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.

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

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HAEM MASTER - ENQUIRIES (HAE-0) on 21/09/2022

ROUTINE HAEMATOLOGY (Whole Blood)

RCC	4.95	x 10 ¹² /L	HAEMOGLOBIN	148	(135 - 170)	g/L
	(4.50 - 6.50)		MCV	89	(82 - 97)	fL
HCT	0.442		MCHC	335	(320 - 360)	g/L
	(0.400 - 0.540)		RDW	13	(< 16)	%
MCH	29.9	pg				
	(27.0 - 34.0)					
			ESR	2	(1 - 15)	mm/h
			PLATELETS	327	(140 - 370)	x 10 ⁹ /L
			WHITE CELLS	5.3	(4.0 - 11.0)	x 10 ⁹ /L
			Neut	61%	3.2	(1.8 - 7.5) " "
			Lymph	26%	1.4	(1.0 - 4.0) " "
			Mono	10%	0.5	(0.1 - 1.2) " "
			Eosin	3%	0.2	(< 0.7) " "

Comment: Red cells, white cells and platelets within normal limits.

Requested Tests : TF*, LFT*, EUC*, LZP*, MG*, LPD*, INS*, HAE, GL*, AND*

ELECTROLYTES INC CREAT (EUC-0) on 21/09/2022

CUMULATIVE ELECTROLYTES (Serum)

Date	Time	Na mmol/L (135 - 145)	K mmol/L (3.5 - 5.2)	Cl mmol/L (95 - 110)	HCO ₃ mmol/L (22 - 32)	Urea mmol/L (3.0 - 8.0)	Creat umol/L (60 - 110)	Lab.No.
12/03/22	09:21	140	4.3	104	31	5.6	89	83648018
21/09/22	00:00	137	4.5	102	30	4.9	81	81261109

eGFR : > 90 mL/min/1.73m²

EGFR by CKD-EPI formula (Med J Aust 2012; 197:222 -223).

Instrument: Siemens Atellica

Requested Tests : TF*, LFT*, EUC, LZP*, MG*, LPD*, INS*, HAE, GL*, AND*

THYROID FUNCTION TEST (TF-0) on 21/09/2022

CUMULATIVE THYROID FUNCTION TEST (serum)

	TSH (mIU/L) (0.40 - 4.00)	FT4 (pmol/L)	FT3 (pmol/L)	Lab.No.
21/09/22	1.81			81261109
81261109				

Instrument: Siemens Atellica

Requested Tests : TF, LFT*, EUC, LZP*, MG*, LPD*, INS, HAE, GL*, AND*

INSULIN (INS-0) on 21/09/2022

SERUM INSULIN (Atellica)

Insulin (Fasting) : 3 mU/L (Fasting < 10)

Instrument: Siemens Atellica

Requested Tests : TF, LFT*, EUC, LZP*, MG*, LPD*, INS, HAE, GL*, AND*

MAGNESIUM (MG-0) on 21/09/2022

Magnesium (serum) : 0.81 mmol/L (0.70 - 1.10)

Instrument: Siemens Atellica

Requested Tests : TF, LFT, EUC, LZP*, MG, LPD*, INS, HAE, GL*, AND*

LIVER FUNCTION TESTS (LFT-0) on 21/09/2022**CUMULATIVE LIVER FUNCTION TEST (Serum)**

Please note change in report format as of 14/12/2021

Collection Date: 21/09/22
Collection Time: 00:00
Lab No: 81261109

Bilirubin:	9	umol/L	(< 21)
Alk Phos:	76	U/L	(30 - 110)
Gamma GT:	17	U/L	(< 41)
ALT:	29	U/L	(< 56)
AST:	23	U/L	(< 41)
Albumin:	48	g/L	(38 - 50)
Protein:	75	g/L	(60 - 80)
Globulin Gap:	27	g/L	(22 - 38)

Instrument: Siemens Atellica

Requested Tests : TF, LFT, EUC, LZP*, MG, LPD*, INS, HAE, GL*, AND*

GLUCOSE, RANDOM/FASTING (GL-0) on 21/09/2022**GLUCOSE (Serum)**

Glucose (Fasting). . . . : 5.3 mmol/L (< 5.5)

Normal <5.5; Impaired fasting 6.1-6.9; Diabetic >6.9 (F), >11.0 (random)

Comment :

Instrument: Siemens Atellica

Requested Tests : TF, LFT, EUC, LZP*, MG, LPD*, INS, HAE, GL, AND*

LIPIDS WITH RISK RATIO (LPD-0) on 21/09/2022

LIPIDS (Serum)

Date	Chol mmol/L (< 5.5)	Trig mmol/L (< 2.0)	HDL-C mmol/L (> 0.9)	LDL-C mmol/L (< 3.4)	Ratio (See) (Below)	Lab. No.
12/03/22 Random	6.1	0.6				83648018
21/09/22 Fasting	6.9	1.0	2.0	4.4	3.5	81261109

Coronary Risk Ratio Ref Values: Average = 4.9 Twice Average = 9.5

81261109 NHF Lipid Targets: Total Chol < 4.0, TG < 2.0, HDL-C > 1.0, LDL-C < 2.0, non-HDL-C < 2.5mmol/L. Please note: Non-HDL cholesterol > 2.4 mmol/L (Non-HDL cholesterol = total cholesterol minus HDL cholesterol)

Instrument: Siemens Atellica

Requested Tests : TF, LFT, EUC, LZP*, MG, LPD, INS, HAE, GL, AND

ANDROGEN STUDY ENQUIRIES (AND-0) on 21/09/2022**ANDROGENS (Serum)**

Lab No	Date & Time	Testosterone (10.0 - 35.0) nmol/L	SHBG nmol/L	Calculated Free Testo.
81261109	21/09/22 00:00	27.8		
81261109	.			

Instrument: Siemens Atellica

Requested Tests : TF, LFT, EUC, LZP*, MG, LPD, INS, HAE, GL, AND

HL7 ZINC SERUM (LZP-0) on 21/09/2022**SERUM/PLASMA TRACE ELEMENTS**

Zinc 13.2 umol/L (10.0-18.0)

Requested Tests : TF, LFT, EUC, LZP, MG, LPD, INS, HAE, GL, AND

Routine Biochemistry on 17/08/2023**ROUTINE BIOCHEMISTRY**

Specimen: Plasma Collected: 17/08/2023 08:25 Received: 17/08/2023 08:26

Test Name	Result	Flag	Ref-Range	Units
Electrolytes, Urea and Creatinine				
Sodium	139		135 - 145	mmol/L
Potassium	4.2		3.5 - 5.2	mmol/L
Bicarbonate	25		22 - 32	mmol/L
Urea	10.4	H	3.0 - 8.0	mmol/L
Creatinine	104		60 - 110	umol/L
eGFR	79		>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	73	60 - 80	g/L
Albumin	44	35 - 50	g/L
Globulin	29	25 - 42	g/L
Bilirubin	8	<20	umol/L
ALT	119	H <40	U/L
ALP	65	30 - 110	U/L
GGT	22	<60	U/L
C Reactive Protein	<1.0	<5.0	mg/L

Calcium Studies			
Calcium - Total	2.40	2.10 - 2.60	mmol/L
Albumin	44	35 - 50	g/L
Calcium - Corrected	2.32	2.10 - 2.60	mmol/L
Magnesium	0.83	0.70 - 1.10	mmol/L
Phosphate	1.28	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

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Full Blood Picture on 17/08/2023

FULL BLOOD PICTURE

Specimen: Blood Collected: 17/08/2023 08:25 Received: 17/08/2023 08:26

Test Name	Result	Flag	Ref-Range	Units
White cell count	3.77	L	4.00 - 11.00	10 ⁹ /L
Haemoglobin	152		135 - 180	g/L
Platelet count	281		150 - 400	10 ⁹ /L
Red cell count	5.19		4.50 - 5.50	10 ¹² /L
Haematocrit	0.46		0.40 - 0.54	L/L
Mean cell volume	88		80 - 100	fL
MCH	29.3		27.0 - 32.0	pg
MCHC	334		320 - 360	g/L
RDW	12.1		9.0 - 15.0	CV%
MPV	9		8 - 12	fL

Absolute Cell Count				
Neutrophils	2.28		2.00 - 7.50	10 ⁹ /L
Lymphocytes	1.05	L	1.20 - 4.00	10 ⁹ /L
Monocytes	0.35		0.20 - 1.00	10 ⁹ /L
Eosinophils	0.06		0.00 - 0.50	10 ⁹ /L
Basophils	0.03		0.00 - 0.20	10 ⁹ /L

Differential		
Neutrophils	60.4	%
Lymphocytes	27.9	%
Monocytes	9.3	%
Eosinophils	1.6	%
Basophils	0.8	%

Morphology
 Reactive lymphocytes Present
 Comment Film reviewed by
 Haematology
 Scientist

Erythrocyte Sedimentation Rate			
ESR	5	1 - 15	mm/h

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

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Thyroid Function Tests on 17/08/2023

THYROID FUNCTION TESTS

Specimen: Serum Collected: 17/08/2023 08:25 Received: 18/08/2023 01:28

Test Name	Result	Flag Ref-Range	Units
TSH	2.31	0.40 - 4.00	mU/L
Free thyroxine	15	9 - 19	pmol/L

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

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Double Stranded DNA antibody on 17/08/2023

IMMUNOLOGY

Specimen: Serum

Collected: 17/08/2023 08:25 Received: 18/08/2023 08:38

Double Stranded DNA antibody

17/08/2023 Ref Range Unit
08:25

F217003307

Double Stranded DNA <1 < 7 IU/mL

Ab

Result Flag

Comments for F217003307

Method DSDNA:

Reference information is based on manufacturer's, in-house and published data:

Over 97.5% of healthy adults <7 IU/mL

From 60-95% of active SLE >7 IU/mL

95% of Sjogren's syndrome, MCTD, Scleroderma, Polymyositis, Behcet's syndrome <10 IU/mL

Rheumatoid Arthritis <7 IU/mL

Anti double stranded DNA assayed by Farr method. Trinity Kit. The precision of this assay is plus or minus 15%.

Legend: H=High L=Low

18/08/2023 16:37 **Lymphocyte Subsets on 17/08/2023**

IMMUNOLOGY

Specimen Blood

:

Collected: 17/08/2023 08:25 Received: 18/08/2023 08:43

Lymphocyte Subsets

Results:

Lymphocytes	Results	Flag	Ref-Ranges	Unit
Lymphocyte Count	1.1	L	1.2-4.0	x10 ⁹
CD3 (T cells)	76		58-84	%
CD4 (CD3+CD4+ T cells)	50		30-61	%
CD8 (CD3+CD8+ T cells)	23		12-45	%
CD4/8 Ratio	2.19		0.72-4.18	
CD19 (B cells)	14		6-22	%
CD16/56 (NK cells)	9		6-28	%
CD3 Absolute Count	814		805-2332	x10 ⁶ /L
CD4 Absolute Count	537		457-1498	x10 ⁶ /L
CD8 Absolute Count	246		205-1013	x10 ⁶ /L
CD19 Absolute Count	153		93-480	x10 ⁶ /L
CD16/56 Absolute Count	97		93-575	x10 ⁶ /L

Diabetes Mellitus Testing on 17/08/2023

DIABETES MELLITUS TESTING

Specimen: Blood Collected: 17/08/2023 08:25 Received: 18/08/2023 02:40

Test Name	Result	Flag Ref-Range	Units
HbA1c (NGSP)	5.4	<6.0	%
HbA1c (IFCC)	35	<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

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Extractable Nuclear Antigens (screen) on 17/08/2023

IMMUNOLOGY

Specimen: Serum
Collected: 17/08/2023 08:25 Received: 18/08/2023 08:38

Extractable Nuclear Antigens (screen)

17/08/2023
08:25
F217003307
Negative

Extractable Nuclear Antigen
screen

Comments for F217003307

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

21/08/2023 15:06**Anti Nuclear Antibody on**

17/08/2023

IMMUNOLOGY

Specimen: Serum
Collected: 17/08/2023 08:25 Received: 18/08/2023 08:38

Anti Nuclear Antibody

17/08/2023 Ref Range Unit
08:25
F217003307

Antinuclear Ab	3	< 7	IU/mL
Result Flag			
Antinuclear Ab			
pattern 1			
Antinuclear Ab			
pattern 2			
SSA	Not Detected		
Cytoplasmic staining			
Legend: H=High L=Low			

22/08/2023 09:49

PATERSON, REILEY
UNIT 16/2 ANGWIN STREET, EAST FREMANTLE. 6158
Phone: 0439929803
Birthdate: 08/06/1987 Sex: M Medicare Number: 61992194751
Your Reference: 00018945 Lab Reference: 24-86150907-GLU-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR JAMES ROBERT PRENDIVILLE Referred by: DR JAMES ROBERT PRENDIVILLE

Name of Test: GLUCOSE
Requested: 22/12/2023 Collected: 12/02/2024 Reported: 12/02/2024 17:30

BIOCHEMISTRY

GLUCOSE					
Date	Time	Lab#	Collection Type	Specimen	Glucose (mmol/L)
12/02/24	07:40	86150907	Fasting	fl-ox	4.9
86150907 Normal fasting glucose.					
Glucose Reference Ranges					
Random		3.0 - 6.9 mmol/L			
Fasting		3.0 - 5.4 mmol/L			
1 Hour post prandial		3.0 - 11.0 mmol/L			
2 Hour post prandial		3.0 - 7.7 mmol/L			
Specimen Legend:					
Fl-ox = Fluoride oxalate, serum = Serum, np = Non-Preserved					

TESTS COMPLETED: GLU,
INCOMPLETE TESTS: FAI, ESR, FBE, LIP, ECU, LFT, MG, CRP, INS, TSH, SZN,

PATERSON, REILEY
UNIT 16/2 ANGWIN STREET, EAST FREMANTLE. 6158
Phone: 0439929803
Birthdate: 08/06/1987 Sex: M Medicare Number: 61992194751
Your Reference: 00018945 Lab Reference: 24-86150907-HAE-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR JAMES ROBERT PRENDIVILLE Referred by: DR JAMES ROBERT PRENDIVILLE

Name of Test: HAEMATOLOGY GENERAL
Requested: 22/12/2023 Collected: 12/02/2024 Reported: 12/02/2024 17:35

HAEMATOLOGY		SPECIMEN: WHOLE BLOOD	
Date:	12/02/24	(#Refers to current result only)	
Coll. Time:	07:40		
Lab Number:	#86150907		

HAEMOGLOBIN	145	(125 - 175)	g/L
RBC	4.95	(4.50 - 6.50)x10	12/L
HCT	0.44	(0.40 - 0.55)	
MCV	90	(80 - 99)	fL
MCH	29.3	(27.0 - 34.0)	pg
MCHC	327	(310 - 360)	g/L
RDW	12.3	(11.0 - 15.0)	%
WCC	* 3.9	(4.0 - 11.0)	x10 9/L
Neutrophils	2.1	(2.0 - 8.0)	x10 9/L

Lymphocytes	1.3	(1.0 - 4.0)	x10 ⁹ /L
Monocytes	0.4	(< 1.1)	x10 ⁹ /L
Eosinophils	< 0.1	(< 0.7)	x10 ⁹ /L
Basophils	< 0.1	(< 0.3)	x10 ⁹ /L
PLATELETS	240	(150 - 450)	x10 ⁹ /L
MPV	9.3	(7.1 - 11.2)	fL
ESR	2	(< 11)	mm/h

#86150907 : There is a mild leucopenia.

TESTS COMPLETED: ESR, FBE, GLU,
INCOMPLETE TESTS: FAI, LIP, ECU, LFT, MG, CRP, INS, TSH, SZN,

PATERSON, REILEY
 UNIT 16/2 ANGIN STREET, EAST FREMANTLE. 6158
Phone: 0439929803
Birthdate: 08/06/1987 **Sex:** M **Medicare Number:** 61992194751
Your Reference: 00018945 **Lab Reference:** 24-86150907-LS-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR JAMES ROBERT PRENDIVILLE **Referred by:** DR JAMES ROBERT PRENDIVILLE

Name of Test: LIPID STUDIES
Requested: 22/12/2023 **Collected:** 12/02/2024 **Reported:** 12/02/2024 19:24

BIOCHEMISTRY

LIPID STUDIES		SPECIMEN: SERUM	
Date:	12/02/24		
Coll. Time:	07:40	Desirable Range	
Lab Number:	86150907	(Fasting)	

Fasting Status	Fasting		
Total Chol.	* 7.4	(< 5.6)	mmol/L
HDL Chol.	2.0	(> 0.9)	mmol/L
LDL Chol.	* 5.2	(< 3.1)	mmol/L
Non-HDL Chol.	* 5.4	(< 4.1)	mmol/L
Triglyceride	0.4	(< 2.1)	mmol/L
LDL/HDL Ratio	2.6		
Chol/HDL Ratio	3.7		

86150907 The Heart Foundation of Australia recommend calculation of the absolute cardiovascular risk using the NVDPA's calculator at www.cvdcheck.org.au in the presence of other CVD risk factors in this age group. LDL-c target depends on the absolute CVD risk. Familial hypercholesterolaemia (an autosomal co-dominant condition associated with elevated cholesterol and premature CVD) is a possibility with an LDL-c between 5.0-6.4 mmol/L. Secondary causes include hypothyroidism, steroids, cholestasis and nephrotic syndrome. Suggest review for clinical stigmata of FH (eg tendon xanthomata) and review family history and calculate the FH likelihood (<http://www.athero.org.au/fh/calculator>), and for a list of FH specialists.

Please note, from 27/09/2023, modified lipid reference ranges apply.

Recommended targets for high risk patients are

Total cholesterol	< 4.0 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)
Fasting triglycerides	< 2.0 mmol/L

Lipid ranges and targets are from the AACB Guideline for Harmonised Lipid Reporting (2018)
Target values need to be individualised based on clinical assessment of overall risk.
See the AusCVD Risk calculator at www.cvdcheck.org.au

TESTS COMPLETED: ESR, FBE, LIP, ECU, LFT, MG, CRP, GLU, INS, TSH,
INCOMPLETE TESTS: FAI, SZN,

PATERSON, REILEY
UNIT 16/2 ANGWIN STREET, EAST FREMANTLE. 6158
Phone: 0439929803
Birthdate: 08/06/1987 **Sex:** M **Medicare Number:** 61992194751
Your Reference: 00018945 **Lab Reference:** 24-86150907-MBI-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR JAMES ROBERT PRENDIVILLE **Referred by:** DR JAMES ROBERT PRENDIVILLE

Name of Test: MULTIPLE BIOCHEM ANALYSIS
Requested: 22/12/2023 **Collected:** 12/02/2024 **Reported:** 12/02/2024 19:18

GENERAL CHEMISTRY

SPECIMEN: SERUM

Date: 12/02/24
Coll. Time: 07:40
Lab Number: 86150907

Sodium	141	(135 - 145)	mmol/L
Potassium	4.3	(3.5 - 5.2)	mmol/L
Chloride	105	(95 - 110)	mmol/L
Bicarbonate	26	(22 - 32)	mmol/L
Anion Gap	14	(9 - 19)	mmol/L
Urea	* 8.5	(3.5 - 8.0)	mmol/L
Creatinine	72	(60 - 110)	umol/L
eGFR	> 90	(> 59) mL/min/1.73m2	
Magnesium	0.84	(0.70 - 1.10)	mmol/L
T.Protein	67	(60 - 80)	g/L
Albumin	38	(35 - 50)	g/L
Globulin	29	(23 - 39)	g/L
ALP	60	(30 - 110)	U/L
Bilirubin	9	(3 - 20)	umol/L
GGT	21	(5 - 50)	U/L
AST	30	(5 - 35)	U/L
ALT	* 42	(5 - 40)	U/L

86150907 ELECTROLYTES
Borderline increase in urea.
LIVER FUNCTION

Mild hepatocellular injury may be due to; acute or chronic viral, autoimmune, toxic (including medication); or alcoholic hepatitis, non-alcoholic steatohepatitis, or systemic illness.

TESTS COMPLETED: ESR, FBE, ECU, LFT, MG, CRP, GLU, INS, TSH,
INCOMPLETE TESTS: FAI, LIP, SZN,

PATERSON, REILEY
UNIT 16/2 ANGWIN STREET, EAST FREMANTLE. 6158
Phone: 0439929803
Birthdate: 08/06/1987 **Sex:** M **Medicare Number:** 61992194751
Your Reference: 00018945 **Lab Reference:** 24-86150907-CRP-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR JAMES ROBERT PRENDIVILLE **Referred by:** DR JAMES ROBERT PRENDIVILLE

Name of Test: C-REACTIVE PROTEIN
Requested: 22/12/2023 Collected: 12/02/2024 Reported: 12/02/2024 18:54

BIOCHEMISTRY

C REACTIVE PROTEIN (CRP) SPECIMEN: SERUM

Date	Time	Lab No.	CRP	Units	Ref. Range
12/02/24	07:40	86150907	< 0.7	mg/L	(< 3.0)

In the setting of infection, CRP levels >100 mg/L are supportive of bacterial rather than viral aetiology.

Note results from this CRP assay should not be used for cardiac risk assessment. Please request the high sensitivity assay (hsCRP) instead.

TESTS COMPLETED: ESR, FBE, CRP, GLU, INS,
INCOMPLETE TESTS: FAI, LIP, ECU, LFT, MG, TSH, SZN,

PATERSON, REILEY
UNIT 16/2 ANGWIN STREET, EAST FREMANTLE. 6158
Phone: 0439929803
Birthdate: 08/06/1987 Sex: M Medicare Number: 61992194751
Your Reference: 00018945 Lab Reference: 24-86150907-INS-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR JAMES ROBERT PRENDIVILLE Referred by: DR JAMES ROBERT PRENDIVILLE

Name of Test: INSULIN
Requested: 22/12/2023 Collected: 12/02/2024 Reported: 12/02/2024 18:54

ENDOCRINOLOGY

INSULIN STUDIES SPECIMEN: SERUM

Date	Time	Lab No.	Insulin	Ref Range	Units
12/02/24	07:40	86150907	5	(See below)	mU/L

Insulin Reference Ranges:
Fasting 2 - 12 mU/L
2hr post prandial 5 - 30 mU/L

TESTS COMPLETED: ESR, FBE, CRP, GLU, INS,
INCOMPLETE TESTS: FAI, LIP, ECU, LFT, MG, TSH, SZN,

PATERSON, REILEY
UNIT 16/2 ANGWIN STREET, EAST FREMANTLE. 6158
Phone: 0439929803
Birthdate: 08/06/1987 Sex: M Medicare Number: 61992194751
Your Reference: 00018945 Lab Reference: 24-86150907-TSH-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR JAMES ROBERT PRENDIVILLE Referred by: DR JAMES ROBERT PRENDIVILLE

Name of Test: THYROID STIMULATING HORM
Requested: 22/12/2023 Collected: 12/02/2024 Reported: 12/02/2024 18:54

ENDOCRINOLOGY

THYROID FUNCTION TEST

SPECIMEN: SERUM

Date: 12/02/24
Coll. Time: 07:40
Lab Number: 86150907

TSH 1.93 (0.40 - 4.00)mIU/L

86150907 Normal TSH level.

TESTS COMPLETED: ESR, FBE, CRP, GLU, INS, TSH,
INCOMPLETE TESTS: FAI, LIP, ECU, LFT, MG, SZN,

PATERSON, REILEY
UNIT 16/2 ANGWIN STREET, EAST FREMANTLE. 6158
Phone: 0439929803
Birthdate: 08/06/1987 Sex: M Medicare Number: 61992194751
Your Reference: 00018945 Lab Reference: 24-86150907-AGN-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR JAMES ROBERT PRENDIVILLE Referred by: DR JAMES ROBERT PRENDIVILLE

Name of Test: ANDROGEN STUDIES
Requested: 22/12/2023 Collected: 12/02/2024 Reported: 12/02/2024 21:37

ENDOCRINOLOGY

ANDROGEN STUDIES

SPECIMEN: SERUM

Date: 12/02/24
Time: 07:40
Lab Number: 86150907

Testosterone 27.1 nmol/L (8.0 - 27.8)
SHBG re-std. 39 nmol/L (10 - 70)
Free Testost. 560 pmol/L (200 - 600)

86150907 Within normal limits.

TESTS COMPLETED: FAI, ESR, FBE, LIP, ECU, LFT, MG, CRP, GLU, INS, TSH,
INCOMPLETE TESTS: SZN,

PATERSON, REILEY
UNIT 16/2 ANGWIN STREET, EAST FREMANTLE. 6158
Phone: 0439929803
Birthdate: 08/06/1987 Sex: M Medicare Number: 61992194751
Your Reference: 00018945 Lab Reference: 24-86150907-TMS-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR JAMES ROBERT PRENDIVILLE Referred by: DR JAMES ROBERT PRENDIVILLE

Name of Test: TRACE METALS SERUM/PLASMA
Requested: 22/12/2023 Collected: 12/02/2024 Reported: 15/02/2024 10:12

TOXICOLOGY

TRACE METALS

SPECIMEN: SERUM/PLASMA

Date: 12/02/24
Coll. Time: 07:40
Lab Number: 86150907

Zinc 15.7 (9.0 - 18.0) umol/L

TESTS COMPLETED: FAI, ESR, FBE, LIP, ECU, LFT, MG, CRP, GLU, INS, TSH, SZN,

PATERSON, REILEY CHRISTOPHER KYME
3 SHALLOW STREET, SPEARWOOD. 6163

Phone: 0439929803

Birthdate: 08/06/1987 Sex: M Medicare Number: 61992194751

Your Reference: Lab Reference: G016011104

Laboratory: PathWest

Addressee: DR GRAHAM LESLIE CULLINGFORD

Referred by: DR GRAHAM LESLIE CULLINGFORD

Copy to:

DR JAMES ROBERT PRENDIVILLE

Name of Test: Histopathology

Requested: 16/04/2024 Collected: 16/04/2024 Reported: 30/04/2024 15:57

RESULTS & ENQUIRIES PathWest Laboratory Medicine WA

13PATH (7284)

Locked Bag 2009

Nedlands WA 6909

www.pathwest.health.wa.gov.au

Requestor: CULLINGFORD, GRAHAM

Patient: PATERSON

Consultant: CULLINGFORD, GRAHAM

REILEY CHRISTOPHER KYME

Order/Case: G016011104 AFH-24-12600

Sex: Male

DOB: 08/06/1987

Clinic: FREMANTLE HOSP DAY ADMISS CNT UMRN: E5604746

Age: 36 Y

Ext. Ref:

IHI:

Registered: 18/04/2024

Ext MRN:

Report To:

Patient Address:

3 SHALLOW STREET
SPEARWOOD WA 6163

FREMANTLE HOSP DAY ADMISS CNT

ALMA STREET

FREMANTLE WA 6160 AUSTRALIA

Collected: 16/04/2024

Received: 18/04/2024

HISTOPATHOLOGY REPORT

Specimen:

- A. Antrum biopsy.
- B. Duodenal biopsy.
- C. Terminal ileum biopsy.
- D. Caecum biopsy.
- E. Transverse biopsy.
- F. Sigmoid biopsy.
- G. Rectum biopsy.

Conclusion:

A. Antrum biopsy - INTestinal METAPLASIA. There is moderate inflammation with minimal activity. Helicobacter pylori-like organisms have NOT been identified.

B. Duodenal biopsy - BENIGN; Within normal limits.

C. Terminal ileum biopsy - BENIGN; Within normal limits.

D. Caecum biopsy - BENIGN; Within normal limits.

E. Transverse biopsy - BENIGN; Within normal limits.

F. Sigmoid biopsy -

G. Rectum biopsy -

Comment:

The clinical history is noted. Correlation with ancillary studies and clinical findings is required.

Clinical:

Diarrhoea, bloating, FOBT positive. Biopsy to exclude coeliac, IBD
Is on gluten free diet

Additional clinical history: Normal colonoscopy. Possible erosion in stomach

Macroscopic:

- A. 3 pieces of tan tissue measuring 3, 4 and 5 mm (3p/lb/nr)
- B. 4 pieces of tan tissue measuring 2, 3, 3 and 5 mm (4p/lb/nr)
- C. One piece of tan tissue 3 mm in maximum dimension. (1p/lb/nr)
- D. 2 pieces of tan tissue measuring 3 and 5 mm (2p/lb/nr)
- E. One piece of tan tissue 3 mm in maximum dimension. (1p/lb/nr)
- F. One piece of tan tissue 2 mm in maximum dimension. (1p/lb/nr)
- G. One piece of tan tissue 6 mm in maximum dimension. (1p/lb/nr)

Microscopic:

A. Sections show nonspecialised gastric mucosa with focal **INTESTINAL METAPLASIA**. There is moderate inflammation with minimal activity. *Helicobacter pylori*-like organisms have NOT been identified. There is no evidence of dysplasia or malignancy.

B. Sections show superficial portions of duodenal mucosa. There is normal villous to crypt ratio of 3:1. A normal complement of inflammatory cells is seen within the lamina propria. No increased intraepithelial lymphocytes have been identified. No parasites are seen. There is no evidence of dysplasia or malignancy. The clinical history is noted. Correlation with ancillary studies and clinical findings is required.

C. Sections show fragments of small bowel mucosa. The epithelium appears normal. The crypt architecture is unremarkable. A Peyer's patch is seen. Small numbers of mononuclear inflammatory cells are seen in the lamina propria. There is no evidence of active inflammation. No granulomas are seen. All the tissue is benign.

D. Sections show superficial portions of colonic mucosa. The surface epithelium is intact. The subepithelial collagen plate is of normal thickness. The crypt architecture is preserved. There is no evidence of cryptitis or crypt abscess formation. No increased intra-epithelial lymphocytes have been seen. A normal complement of inflammatory cells is seen within the lamina propria. Granulomas are not seen. Parasites have not been identified. There is no evidence of dysplasia or malignancy.

E. Sections show superficial portions of colonic mucosa. The surface epithelium is intact. The subepithelial collagen plate is of normal thickness. The crypt architecture is preserved. There is no evidence of cryptitis or crypt abscess formation. No increased intra-epithelial lymphocytes have been seen. A normal complement of inflammatory cells is seen within the lamina propria. A Peyer's patch is noted. Granulomas are not seen. Parasites have not been identified. There is no evidence of dysplasia or malignancy.

F. Sections show superficial portions of colonic mucosa. The surface epithelium is intact. The subepithelial collagen plate is of normal thickness. The crypt architecture is preserved. There is no evidence of cryptitis or crypt abscess formation. No increased intra-epithelial lymphocytes have been seen. A normal complement of inflammatory cells is seen within the lamina propria. Granulomas are not seen. Parasites have not been identified. There is no evidence of dysplasia or malignancy.

G. Sections show superficial portions of colonic mucosa. The surface epithelium is intact. The subepithelial collagen plate is of normal thickness. The crypt architecture is preserved. There is no evidence of cryptitis or crypt abscess formation. No increased intra-epithelial lymphocytes have been seen. A normal complement of inflammatory cells is seen within the lamina propria. Granulomas are not seen. Parasites have not been identified. There is no evidence of dysplasia or malignancy.

Reported By: Dr Michael Texler (Anatomical Pathologist)
Electronically Validated: 30/04/2024 15:57
Copy to: PRENDIVILLE, JAMES

----- END OF REPORT FOR 2024-04-30 15:57: -----

PATERSON, REILEY
3 SHALLOW STREET, SPEARWOOD. 6163
Phone: 0439929803
Birthdate: 08/06/1987 Sex: M Medicare Number: 61992194751
Your Reference: 00026529 Lab Reference: 24-21987539-HAE-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR JAMES ROBERT PRENDIVILLE Referred by: DR JAMES ROBERT PRENDIVILLE

Name of Test: HAEMATOLOGY GENERAL
Requested: 22/08/2024 Collected: 02/09/2024 Reported: 02/09/2024 20:36

HAEMATOLOGY

SPECIMEN: WHOLE BLOOD

Date: 02/09/24 12/02/24 (#Refers to current
Coll. Time: 07:30 07:40 result only)
Lab Number: #21987539 86150907

HAEMOGLOBIN	156	145	(125 - 175) g/L
RBC	5.36	4.95	(4.50 - 6.50) x10 ¹² /L
HCT	0.48	0.44	(0.40 - 0.55)
MCV	90	90	(80 - 99) fL
MCH	29.1	29.3	(27.0 - 34.0) pg
MCHC	324	327	(310 - 360) g/L
RDW	12.4	12.3	(11.0 - 15.0) %
WCC	4.1 *	3.9	(4.0 - 11.0) x10 ⁹ /L
Neutrophils	2.1	2.1	(2.0 - 8.0) x10 ⁹ /L
Lymphocytes	1.4	1.3	(1.0 - 4.0) x10 ⁹ /L
Monocytes	0.5	0.4	(< 1.1) x10 ⁹ /L
Eosinophils	0.1	< 0.1	(< 0.7) x10 ⁹ /L
Basophils	< 0.1	< 0.1	(< 0.3) x10 ⁹ /L
PLATELETS	262	240	(150 - 450) x10 ⁹ /L
MPV	9.9	9.3	(7.1 - 11.2) fL
ESR	2	2	(< 11) mm/h

#21987539 : The red cell, white cell and platelet parameters are within normal limits.

TESTS COMPLETED: ESR, FBE,
INCOMPLETE TESTS: FAI, LIP, ECU, LFT, MG, CRP, GLU, INS, TSH, SZN,

PATERSON, REILEY
3 SHALLOW STREET, SPEARWOOD. 6163
Phone: 0439929803
Birthdate: 08/06/1987 Sex: M Medicare Number: 61992194751
Your Reference: 00026529 Lab Reference: 24-21987539-GLU-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR JAMES ROBERT PRENDIVILLE Referred by: DR JAMES ROBERT PRENDIVILLE

Name of Test: GLUCOSE
Requested: 22/08/2024 Collected: 02/09/2024 Reported: 02/09/2024 20:57

BIOCHEMISTRY

GLUCOSE

Date	Time	Lab#	Collection Type	Specimen	Glucose (mmol/L)
02/09/24	07:30	21987539	Fasting	fl-ox	5.1
12/02/24	07:40	86150907	Fasting	fl-ox	4.9

21987539 Normal fasting glucose.

Glucose Reference Ranges

Random	3.0 - 6.9 mmol/L
Fasting	3.0 - 5.4 mmol/L
1 Hour post prandial	3.0 - 11.0 mmol/L
2 Hour post prandial	3.0 - 7.7 mmol/L

Specimen Legend:

Fl-ox = Fluoride oxalate, serum = Serum, np = Non-Preserved

TESTS COMPLETED: ESR, FBE, GLU,

INCOMPLETE TESTS: FAI, LIP, ECU, LFT, MG, CRP, INS, TSH, SZN,

PATERSON, REILEY

3 SHALLOW STREET, SPEARWOOD. 6163

Phone: 0439929803

Birthdate: 08/06/1987 Sex: M Medicare Number: 61992194751

Your Reference: 00026529 Lab Reference: 24-21987539-CRP-0

Laboratory: AUSTRALIAN CLINICAL LABS

Addressee: DR JAMES ROBERT PRENDIVILLE Referred by: DR JAMES ROBERT PRENDIVILLE

Name of Test: C-REACTIVE PROTEIN

Requested: 22/08/2024 Collected: 02/09/2024

BIOCHEMISTRY**C REACTIVE PROTEIN (CRP)****SPECIMEN: SERUM**

Date	Time	Lab No.	CRP	Units	Ref. Range
02/09/24	07:30	21987539	< 0.7	mg/L	(< 3.0)
12/02/24	07:40	86150907	< 0.7		

In the setting of infection, CRP levels >100 mg/L are supportive of bacterial rather than viral aetiology.

Note results from this CRP assay should not be used for cardiac risk assessment. Please request the high sensitivity assay (hsCRP) instead.

TESTS COMPLETED: ESR, FBE, LIP, ECU, LFT, MG, CRP, GLU, INS, TSH,

INCOMPLETE TESTS: FAI, SZN,

PATERSON, REILEY

3 SHALLOW STREET, SPEARWOOD. 6163

Phone: 0439929803

Birthdate: 08/06/1987 Sex: M Medicare Number: 61992194751

Your Reference: 00026529 Lab Reference: 24-21987539-INS-0

Laboratory: AUSTRALIAN CLINICAL LABS

Addressee: DR JAMES ROBERT PRENDIVILLE Referred by: DR JAMES ROBERT PRENDIVILLE

Name of Test: INSULIN

Requested: 22/08/2024 Collected: 02/09/2024

ENDOCRINOLOGY

INSULIN STUDIES			SPECIMEN: SERUM		
Date	Time	Lab No.	Insulin	Ref Range	Units
02/09/24	07:30	21987539	5	(See below)	mU/L
12/02/24	07:40	86150907	5		
Insulin Reference Ranges:					
			Fasting	2 - 12	mU/L
			2hr post prandial	5 - 30	mU/L

TESTS COMPLETED: ESR, FBE, LIP, ECU, LFT, MG, CRP, GLU, INS, TSH,
INCOMPLETE TESTS: FAI, SZN,

PATERSON, REILEY
3 SHALLOW STREET, SPEARWOOD. 6163
Phone: 0439929803
Birthdate: 08/06/1987 Sex: M Medicare Number: 61992194751
Your Reference: 00026529 Lab Reference: 24-21987539-MBI-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR JAMES ROBERT PRENDIVILLE Referred by: DR JAMES ROBERT PRENDIVILLE
Name of Test: MULTIPLE BIOCHEM ANALYSIS
Requested: 22/08/2024 Collected: 02/09/2024

GENERAL CHEMISTRY			SPECIMEN: SERUM		
Date:	02/09/24	12/02/24			
Coll. Time:	07:30	07:40			
Lab Number:	21987539	86150907			
Sodium	139	141	(135 - 145)	mmol/L	
Potassium	4.6	4.3	(3.5 - 5.2)	mmol/L	
Chloride	105	105	(95 - 110)	mmol/L	
Bicarbonate	25	26	(22 - 32)	mmol/L	
Anion Gap	14	14	(9 - 19)	mmol/L	
Urea	6.5	* 8.5	(3.5 - 8.0)	mmol/L	
Creatinine	81	72	(60 - 110)	umol/L	
eGFR	> 90	> 90	(> 59) mL/min/1.73m2		
Magnesium	* 1.19	0.84	(0.70 - 1.10)	mmol/L	
T.Protein	70	67	(60 - 80)	g/L	
Albumin	39	38	(35 - 50)	g/L	
Globulin	31	29	(23 - 39)	g/L	
ALP	68	60	(30 - 110)	U/L	
Bilirubin	11	9	(3 - 20)	umol/L	
GGT	40	21	(5 - 50)	U/L	
AST	* 74	30	(5 - 35)	U/L	
ALT	** 258	* 42	(5 - 40)	U/L	

21987539 LIVER FUNCTION
Moderate hepatitic derangement in liver enzymes may be due to acute or chronic viral, autoimmune, toxic (including medication), or alcoholic hepatitis; non-alcoholic steatohepatitis; or systemic illness.

TESTS COMPLETED: ESR, FBE, LIP, ECU, LFT, MG, CRP, GLU, INS, TSH,
INCOMPLETE TESTS: FAI, SZN,

PATERSON, REILEY
3 SHALLOW STREET, SPEARWOOD. 6163

Phone: 0439929803
Birthdate: 08/06/1987 Sex: M Medicare Number: 61992194751
Your Reference: 00026529 Lab Reference: 24-21987539-AGN-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR JAMES ROBERT PRENDIVILLE Referred by: DR JAMES ROBERT PRENDIVILLE

Name of Test: ANDROGEN STUDIES
Requested: 22/08/2024 Collected: 02/09/2024

ENDOCRINOLOGY

ANDROGEN STUDIES			SPECIMEN: SERUM
Date:	02/09/24	12/02/24	
Time:	07:30	07:40	
Lab Number:	21987539	86150907	

Testosterone	27.1	27.1	nmol/L (6.0 - 28.0)
SHBG re-std. *	57	39	nmol/L (15 - 50)
Free Testost.	428	560	pmol/L (200 - 600)

21987539 Normal Total and Free Testosterone levels. Elevated SHBG may be due to steroid hormone excess, medications (e.g phenytoin, carbamazepine, thyroxine), liver disease, anorexia, hyperthyroidism and increasing age.

Please note from 19-2-2024: new reference intervals apply for testosterone and SHBG testing, due to a change in method to the Siemens Atellica assay.

tm

TESTS COMPLETED: FAI, ESR, FBE, LIP, ECU, LFT, MG, CRP, GLU, INS, TSH,
INCOMPLETE TESTS: SZN,

PATERSON, REILEY
3 SHALLOW STREET, SPEARWOOD. 6163
Phone: 0439929803
Birthdate: 08/06/1987 Sex: M Medicare Number: 61992194751
Your Reference: 00026529 Lab Reference: 24-21987539-TSH-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR JAMES ROBERT PRENDIVILLE Referred by: DR JAMES ROBERT PRENDIVILLE

Name of Test: THYROID STIMULATING HORM
Requested: 22/08/2024 Collected: 02/09/2024 Reported: 02/09/2024 23:38

ENDOCRINOLOGY

THYROID FUNCTION TEST			SPECIMEN: SERUM
Date:	02/09/24	12/02/24	
Coll. Time:	07:30	07:40	
Lab Number:	21987539	86150907	

TSH 1.91 1.93 (0.40 - 4.00)mIU/L

21987539 Normal TSH level.

TESTS COMPLETED: ESR, FBE, LIP, GLU, TSH,
INCOMPLETE TESTS: FAI, ECU, LFT, MG, CRP, INS, SZN,

PATERSON, REILEY
3 SHALLOW STREET, SPEARWOOD. 6163
Phone: 0439929803
Birthdate: 08/06/1987 Sex: M Medicare Number: 61992194751
Your Reference: 00026529 Lab Reference: 24-21987539-LS-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR JAMES ROBERT PRENDIVILLE Referred by: DR JAMES ROBERT PRENDIVILLE

Name of Test: LIPID STUDIES
Requested: 22/08/2024 Collected: 02/09/2024 Reported: 02/09/2024 23:38

BIOCHEMISTRY

LIPID STUDIES

SPECIMEN: SERUM

Date:	02/09/24	12/02/24		
Coll. Time:	07:30	07:40		
Lab Number:	21987539	86150907		Desirable Range (Fasting)
Fasting Status	Fasting	Fasting		
Total Chol.	** 8.6 *	7.4	(< 5.6)	mmol/L
HDL Chol.	2.0	2.0	(> 0.9)	mmol/L
LDL Chol.	** 6.3 *	5.2	(< 3.1)	mmol/L
Non-HDL Chol.	* 6.6 *	5.4	(< 4.1)	mmol/L
Triglyceride	0.6	0.4	(< 2.1)	mmol/L
LDL/HDL Ratio	3.2	2.6		
Chol/HDL Ratio	4.3	3.7		

21987539 The Heart Foundation of Australia recommend calculation of the absolute cardiovascular risk using the NVDPA's calculator at www.cvdcheck.org.au in the presence of other CVD risk factors in this age group. LDL-c target depends on the absolute CVD risk. Familial hypercholesterolaemia (an autosomal co-dominant condition associated with elevated cholesterol and premature CVD) is a possibility with an LDL-c between 5.0-6.4 mmol/L. Secondary causes include hypothyroidism, steroids, cholestasis and nephrotic syndrome. Suggest review for clinical stigmata of FH (eg tendon xanthomata) and review family history and calculate the FH likelihood (<http://www.athero.org.au/fh/calculator>), and for a list of FH specialists.

Please note, from 27/09/2023, modified lipid reference ranges apply.

Recommended targets for high risk patients are

Total cholesterol < 4.0 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)
Fasting triglycerides < 2.0 mmol/L

Lipid ranges and targets are from the AACB Guideline for Harmonised Lipid Reporting (2018)

Target values need to be individualised based on clinical assessment of overall risk.

See the AusCVD Risk calculator at www.cvdcheck.org.au

TESTS COMPLETED: ESR, FBE, LIP, GLU, TSH,
INCOMPLETE TESTS: FAI, ECU, LFT, MG, CRP, INS, SZN,

PATERSON, REILEY
3 SHALLOW STREET, SPEARWOOD. 6163
Phone: 0439929803
Birthdate: 08/06/1987 **Sex:** M **Medicare Number:** 61992194751
Your Reference: 00026529 **Lab Reference:** 24-21987539-TMS-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR JAMES ROBERT PRENDIVILLE **Referred by:** DR JAMES ROBERT PRENDIVILLE

Name of Test: TRACE METALS SERUM/PLASMA
Requested: 22/08/2024 **Collected:** 02/09/2024 **Reported:** 05/09/2024 10:19

TOXICOLOGY

SPECIMEN: SERUM/PLASMA

TRACE METALS

Date: 02/09/24 12/02/24
Coll. Time: 07:30 07:40
Lab Number: 21987539 86150907

Zinc 15.7 15.7 (9.0 - 18.0) umol/L

TESTS COMPLETED: FAI, ESR, FBE, LIP, ECU, LFT, MG, CRP, GLU, INS, TSH, SZN,

PATERSON, REILEY CHRISTOPHER KYME
3 SHALLOW STREET, SPEARWOOD. 6163
Phone: 0439929803
Birthdate: 08/06/1987 **Sex:** M **Medicare Number:** 61992194751
Your Reference: **Lab Reference:** G604006397
Laboratory: PathWest
Addressee: DR SIMON PARYS **Referred by:** DR SIMON PARYS
Copy to:
DR JAMES ROBERT PRENDIVILLE

Name of Test: Histopathology
Requested: 04/10/2024 **Collected:** 04/10/2024 **Reported:** 09/10/2024 16:02

RESULTS & ENQUIRIES PathWest Laboratory Medicine WA

13PATH (7284) Locked Bag 2009
Nedlands WA 6909
www.pathwest.health.wa.gov.au

Requestor: PARYS, SIMON Patient: PATERSON
Consultant: PARYS, SIMON REILEY CHRISTOPHER KYME
Order/Case: G604006397 AFH-24-32497 Sex: Male DOB: 08/06/1987
Clinic: FREMANTLE HOSP DAY ADMISS CNT UMRN: E5604746 Age: 37 Y
Ext. Ref: IHI:
Registered: 04/10/2024 Ext MRN:

Report To: Patient Address:
3 SHALLOW STREET
SPEARWOOD WA 6163

FREMANTLE HOSP DAY ADMISS CNT
ALMA STREET
FREMANTLE WA 6160 AUSTRALIA

Collected: 04/10/2024 Received: 04/10/2024
HISTOPATHOLOGY REPORT

Specimen:
A. Gastric body biopsy
B. Gastric antrum biopsy

Conclusion:

A. Gastric body biopsy: Within normal limits.

B. Gastric antrum biopsy: Mild reactive gastropathy; negative for H. pylori.

Clinical:

Previous erosion.

Macroscopic:

A. Two pieces of pale tissue measuring 5 x 2 x 2mm and 6 x 2 x 2mm. (2P/1B/NR)

B. One piece of pale tissue measuring 5 x 2 x 2mm. (1P/1B/NR)

Microscopic:

A. Sections show specialised gastric mucosa with no abnormality. There is no significant inflammation, intestinal metaplasia, dysplasia or malignancy. No Helicobacter organisms are identified.

B. Sections show non-specialised gastric mucosa demonstrating changes consistent with a mild reactive gastropathy. There is no significant inflammation, intestinal metaplasia, dysplasia or malignancy. No Helicobacter organisms are identified.

Reported By: Dr Aws Jasim (AP Pathologist)

Electronically Validated: 09/10/2024 16:02

Copy to: PRENDIVILLE, JAMES

----- END OF REPORT FOR 2024-10-09 16:02: -----

PATERSON, REILEY

3 SHALLOW STREET, SPEARWOOD. 6163

Phone: 0439929803

Birthdate: 08/06/1987 Sex: M Medicare Number: 61992194751

Your Reference: 00028651 Lab Reference: 25-27723291-INS-0

Laboratory: AUSTRALIAN CLINICAL LABS

Addressee: DR JAMES ROBERT PRENDIVILLE Referred by: DR JAMES ROBERT PRENDIVILLE

Name of Test: INSULIN

Requested: 20/11/2024 Collected: 03/02/2025 Reported: 03/02/2025 20:13

ENDOCRINOLOGY

INSULIN STUDIES

SPECIMEN: SERUM

Date	Time	Lab No.	Insulin	Ref Range	Units
03/02/25	07:09	27723291	5	(See below)	mU/L
02/09/24	07:30	21987539	5		
12/02/24	07:40	86150907	5		

Insulin Reference Ranges:

Fasting 2 - 12 mU/L
2hr post prandial 5 - 30 mU/L

TESTS COMPLETED: ECU, CRP, GLS, INS,
INCOMPLETE TESTS: FAI, ESR, FBE, TSH, SZN,

PATERSON, REILEY

3 SHALLOW STREET, SPEARWOOD. 6163

Phone: 0439929803

Birthdate: 08/06/1987 Sex: M Medicare Number: 61992194751

Your Reference: 00028652 **Lab Reference:** 25-27723292-MBI-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR JAMES ROBERT PRENDIVILLE **Referred by:** DR JAMES ROBERT PRENDIVILLE
Name of Test: MULTIPLE BIOCHEM ANALYSIS
Requested: 20/11/2024 **Collected:** 03/02/2025 **Reported:** 03/02/2025 20:19

GENERAL CHEMISTRY **SPECIMEN: SERUM**

Date:	03/02/25	03/02/25	02/09/24	
Coll. Time:	NS	07:09	07:30	
Lab Number:	27723292	27723291	21987539	

Sodium	142	139	(135 - 145)	mmol/L
Potassium	4.2	4.6	(3.5 - 5.2)	mmol/L
Chloride	106	105	(95 - 110)	mmol/L
Bicarbonate	29	25	(22 - 32)	mmol/L
Anion Gap	11	14	(9 - 19)	mmol/L
Urea	5.9	6.5	(3.5 - 8.0)	mmol/L
Creatinine	77	81	(60 - 110)	umol/L
eGFR		> 90	(> 59) mL/min/1.73m2	
Magnesium	0.87	*	1.19	(0.70 - 1.10) mmol/L
T.Protein	68	70	(60 - 80)	g/L
Albumin	39	39	(35 - 50)	g/L
Globulin	29	31	(23 - 39)	g/L
ALP	59	68	(30 - 110)	U/L
Bilirubin	9	11	(3 - 20)	umol/L
GGT	10	40	(5 - 50)	U/L
AST	26	*	74	(5 - 35) U/L
ALT	* 44	**	258	(5 - 40) U/L

27723292 ELECTROLYTES
Magnesium within normal limits.
LIVER FUNCTION
Mild hepatocellular injury may be due to; acute or chronic viral, autoimmune, toxic (including medication); or alcoholic hepatitis, non-alcoholic steatohepatitis, or systemic illness.

TESTS COMPLETED: LIP, LFT, MG,

PATERSON, REILEY
3 SHALLOW STREET, SPEARWOOD. 6163
Phone: 0439929803
Birthdate: 08/06/1987 **Sex:** M **Medicare Number:** 61992194751
Your Reference: 00028651 **Lab Reference:** 25-27723291-CRP-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR JAMES ROBERT PRENDIVILLE **Referred by:** DR JAMES ROBERT PRENDIVILLE

Name of Test: C-REACTIVE PROTEIN
Requested: 20/11/2024 **Collected:** 03/02/2025 **Reported:** 03/02/2025 19:57

BIOCHEMISTRY **C REACTIVE PROTEIN (CRP)** **SPECIMEN: SERUM**

Date	Time	Lab No.	CRP	Units	Ref. Range

03/02/25	07:09	27723291	< 0.7	mg/L	(< 3.0)
02/09/24	07:30	21987539	< 0.7		
12/02/24	07:40	86150907	< 0.7		

In the setting of infection, CRP levels >100 mg/L are supportive of bacterial rather than viral aetiology.

Note results from this CRP assay should not be used for cardiac risk assessment. Please request the high sensitivity assay (hsCRP) instead.

TESTS COMPLETED: ECU, CRP, GLS, INS,
INCOMPLETE TESTS: FAI, ESR, FBE, TSH, SZN,

PATERSON, REILEY
3 SHALLOW STREET, SPEARWOOD. 6163
Phone: 0439929803
Birthdate: 08/06/1987 Sex: M Medicare Number: 61992194751
Your Reference: 00028651 Lab Reference: 25-27723291-MBI-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR JAMES ROBERT PRENDIVILLE Referred by: DR JAMES ROBERT PRENDIVILLE

Name of Test: MULTIPLE BIOCHEM ANALYSIS
Requested: 20/11/2024 Collected: 03/02/2025 Reported: 03/02/2025 19:58

GENERAL CHEMISTRY

SPECIMEN: SERUM

Date: 03/02/25 02/09/24 12/02/24
Coll. Time: 07:09 07:30 07:40
Lab Number: 27723291 21987539 86150907

Sodium	142	139	141	(135 - 145)	mmol/L
Potassium	4.2	4.6	4.3	(3.5 - 5.2)	mmol/L
Chloride	106	105	105	(95 - 110)	mmol/L
Bicarbonate	29	25	26	(22 - 32)	mmol/L
Anion Gap	11	14	14	(9 - 19)	mmol/L
Urea	5.9	6.5	* 8.5	(3.5 - 8.0)	mmol/L
Creatinine	77	81	72	(60 - 110)	umol/L
eGFR	> 90	> 90	> 90	(> 59) mL/min/1.73m2	
Magnesium	*	1.19	0.84	(0.70 - 1.10)	mmol/L
T.Protein		70	67	(60 - 80)	g/L
Albumin		39	38	(35 - 50)	g/L
Globulin		31	29	(23 - 39)	g/L
ALP		68	60	(30 - 110)	U/L
Bilirubin		11	9	(3 - 20)	umol/L
GGT		40	21	(5 - 50)	U/L
AST	*	74	30	(5 - 35)	U/L
ALT	**	258	* 42	(5 - 40)	U/L

27723291 Renal function and electrolytes are within normal limits.

TESTS COMPLETED: ECU, CRP, GLS, INS,
INCOMPLETE TESTS: FAI, ESR, FBE, TSH, SZN,

PATERSON, REILEY
3 SHALLOW STREET, SPEARWOOD. 6163
Phone: 0439929803
Birthdate: 08/06/1987 Sex: M Medicare Number: 61992194751
Your Reference: 00028651 Lab Reference: 25-27723291-GLS-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR JAMES ROBERT PRENDIVILLE Referred by: DR JAMES ROBERT PRENDIVILLE

Name of Test: GLUCOSE
Requested: 20/11/2024 Collected: 03/02/2025 Reported: 03/02/2025 19:58

BIOCHEMISTRY

GLUCOSE

Date	Time	Lab#	Collection Type	Specimen	Glucose (mmol/L)
03/02/25	07:09	27723291	Fasting	serum	5.1
02/09/24	07:30	21987539	Fasting	fl-ox	5.1
12/02/24	07:40	86150907	Fasting	fl-ox	4.9

27723291 Normal fasting glucose.

Glucose Reference Ranges

Random	3.0 - 6.9 mmol/L
Fasting	3.0 - 5.4 mmol/L
1 Hour post prandial	3.0 - 11.0 mmol/L
2 Hour post prandial	3.0 - 7.7 mmol/L

Specimen Legend:

Fl-ox = Fluoride oxalate, serum = Serum, np = Non-Preserved

TESTS COMPLETED: ECU, CRP, GLS, INS,
INCOMPLETE TESTS: FAI, ESR, FBE, TSH, SZN,

PATERSON, REILEY
3 SHALLOW STREET, SPEARWOOD. 6163
Phone: 0439929803
Birthdate: 08/06/1987 Sex: M Medicare Number: 61992194751
Your Reference: 00028652 Lab Reference: 25-27723292-LS-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR JAMES ROBERT PRENDIVILLE Referred by: DR JAMES ROBERT PRENDIVILLE

Name of Test: LIPID STUDIES
Requested: 20/11/2024 Collected: 03/02/2025 Reported: 03/02/2025 19:58

BIOCHEMISTRY

LIPID STUDIES

SPECIMEN: SERUM

Date:	03/02/25	02/09/24	12/02/24		
Coll. Time:	NS	07:30	07:40	Desirable Range	
Lab Number:	27723292	21987539	86150907	(Fasting)	
Fasting Status	Fasting	Fasting	Fasting		
Total Chol.	** 8.3	** 8.6	* 7.4	(< 5.6)	mmol/L
HDL Chol.	1.9	2.0	2.0	(> 0.9)	mmol/L
LDL Chol.	** 6.0	** 6.3	* 5.2	(< 3.1)	mmol/L
Non-HDL Chol.	* 6.4	* 6.6	* 5.4	(< 4.1)	mmol/L
Triglyceride	0.8	0.6	0.4	(< 2.1)	mmol/L
LDL/HDL Ratio	3.2	3.2	2.6		
Chol/HDL Ratio	4.4	4.3	3.7		

27723292 The Heart Foundation of Australia recommend calculation of the absolute cardiovascular risk using the NVDEPA's calculator at www.cvdcheck.org.au in the presence of other CVD risk factors in this age group. LDL-c target depends on the absolute CVD risk. Familial hypercholesterolaemia (an autosomal co-dominant condition associated with elevated cholesterol and premature CVD) is a possibility with an LDL-c between 5.0-6.4 mmol/L. Secondary causes include hypothyroidism, steroids, cholestasis and nephrotic syndrome. Suggest review for clinical

stigmata of FH (eg tendon xanthomata) and review family history and calculate the FH likelihood (<http://www.athero.org.au/fh/calculator>), and for a list of FH specialists.

Please note, from 27/09/2023, modified lipid reference ranges apply.

Recommended targets for high risk patients are

Total cholesterol < 4.0 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)
Fasting triglycerides < 2.0 mmol/L

Lipid ranges and targets are from the AACB Guideline for Harmonised Lipid Reporting (2018)

Target values need to be individualised based on clinical assessment of overall risk.

See the AusCVD Risk calculator at www.cvdcheck.org.au

TESTS COMPLETED: LIP, LFT, MG,

PATERSON, REILEY
3 SHALLOW STREET, SPEARWOOD. 6163
Phone: 0439929803
Birthdate: 08/06/1987 Sex: M Medicare Number: 61992194751
Your Reference: 00028651 Lab Reference: 25-27723291-TSH-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR JAMES ROBERT PRENDIVILLE Referred by: DR JAMES ROBERT PRENDIVILLE

Name of Test: THYROID STIMULATING HORM
Requested: 20/11/2024 Collected: 03/02/2025 Reported: 03/02/2025 21:16

ENDOCRINOLOGY

THYROID FUNCTION TEST

SPECIMEN: SERUM

Date:	03/02/25	02/09/24	12/02/24
Coll. Time:	07:09	07:30	07:40
Lab Number:	27723291	21987539	86150907

TSH 2.14 1.91 1.93 (0.40 - 4.00)mIU/L

27723291 Normal TSH level.

TESTS COMPLETED: FAI, ECU, CRP, GLS, INS, TSH,
INCOMPLETE TESTS: ESR, FBE, SZN,

PATERSON, REILEY
3 SHALLOW STREET, SPEARWOOD. 6163
Phone: 0439929803
Birthdate: 08/06/1987 Sex: M Medicare Number: 61992194751
Your Reference: 00028651 Lab Reference: 25-27723291-AGN-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR JAMES ROBERT PRENDIVILLE Referred by: DR JAMES ROBERT PRENDIVILLE

Name of Test: ANDROGEN STUDIES
Requested: 20/11/2024 Collected: 03/02/2025 Reported: 03/02/2025 21:20

ENDOCRINOLOGY

ANDROGEN STUDIES SPECIMEN: SERUM

Date:	03/02/25	02/09/24	12/02/24	
Time:	07:09	07:30	07:40	
Lab Number:	27723291	21987539	86150907	
Testosterone	* 33.1	27.1	27.1	nmol/L (6.0 - 28.0)
SHBG re-std.	* 56	* 57	39	nmol/L (15 - 50)
Free Testost.	557	428	560	pmol/L (200 - 600)

27723291 Marginal increase in testosterone result. Increased testosterone but normal free testosterone level. Elevated SHBG may be due to steroid hormone excess, medications (e.g phenytoin, carbamazepine, thyroxine), liver disease, anorexia, hyperthyroidism and increasing age.

Please note from 19-2-2024: new reference intervals apply for testosterone and SHBG testing, due to a change in method to the Siemens Atellica assay.

tm

TESTS COMPLETED: FAI, ECU, CRP, GLS, INS, TSH,
INCOMPLETE TESTS: ESR, FBE, SZN,

PATERSON, REILEY
3 SHALLOW STREET, SPEARWOOD. 6163
Phone: 0439929803
Birthdate: 08/06/1987 Sex: M Medicare Number: 61992194751
Your Reference: 00028651 Lab Reference: 25-27723291-HAE-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR JAMES ROBERT PRENDIVILLE Referred by: DR JAMES ROBERT PRENDIVILLE

Name of Test: HAEMATOLOGY GENERAL
Requested: 20/11/2024 Collected: 03/02/2025 Reported: 04/02/2025 04:46

HAEMATOLOGY SPECIMEN: WHOLE BLOOD

Date:	03/02/25	02/09/24	12/02/24	(#Refers to current
Coll. Time:	07:09	07:30	07:40	result only)
Lab Number:	#27723291	21987539	86150907	
HAEMOGLOBIN	154	156	145	(125 - 175) g/L
RBC	5.16	5.36	4.95	(4.50 - 6.50)x10 12/L
HCT	0.48	0.48	0.44	(0.40 - 0.55)
MCV	92	90	90	(80 - 99) fL
MCH	29.8	29.1	29.3	(27.0 - 34.0)pg
MCHC	324	324	327	(310 - 360) g/L
RDW	12.5	12.4	12.3	(11.0 - 15.0)%
WCC	4.1	4.1	* 3.9	(4.0 - 11.0) x10 9/L
Neutrophils	2.2	2.1	2.1	(2.0 - 8.0) x10 9/L
Lymphocytes	1.4	1.4	1.3	(1.0 - 4.0) x10 9/L
Monocytes	0.4	0.5	0.4	(< 1.1) x10 9/L
Eosinophils	< 0.1	0.1	< 0.1	(< 0.7) x10 9/L

Basophils	< 0.1	< 0.1	< 0.1 (< 0.3)	x10 9/L
PLATELETS	263	262	240 (150 - 450)	x10 9/L
MPV	9.5	9.9	9.3 (7.1 - 11.2)	fL
ESR	2	2	2 (< 11)	mm/h

#27723291 : The red cell, white cell and platelet parameters are within normal limits.

TESTS COMPLETED: FAI, ESR, FBE, ECU, CRP, GLS, INS, TSH,
 INCOMPLETE TESTS: SZN,

PATERSON, REILEY
 3 SHALLOW STREET, SPEARWOOD. 6163
Phone: 0439929803
Birthdate: 08/06/1987 **Sex:** M **Medicare Number:** 61992194751
Your Reference: 00028651 **Lab Reference:** 25-27723291-TMS-0
Laboratory: AUSTRALIAN CLINICAL LABS
Addressee: DR JAMES ROBERT PRENDIVILLE **Referred by:** DR JAMES ROBERT PRENDIVILLE

Name of Test: TRACE METALS SERUM/PLASMA
Requested: 20/11/2024 **Collected:** 03/02/2025 **Reported:** 06/02/2025 16:22

TOXICOLOGY			SPECIMEN: SERUM/PLASMA
TRACE METALS			
Date:	03/02/25	02/09/24	12/02/24
Coll. Time:	07:09	07:30	07:40
Lab Number:	27723291	21987539	86150907

Zinc	13.9	15.7	15.7 (9.0 - 18.0) umol/L

TESTS COMPLETED: FAI, ESR, FBE, ECU, CRP, GLS, INS, TSH, SZN,