

HAMILTON, KATHERINE
 112 PIGGABEEN ROAD, CURRUMBIN VALLEY. 4223
 Phone: 0410469995
 Birthdate: 09/02/1981 Sex: F Medicare Number: 25239662571
 Your Reference: Lab Reference: 24-80842538-RCM-0
 Laboratory: 4Cyte Pathology
 Addressee: Dr KIRSTY TORSON Referred by: Dr KIRSTY TORSON

Name of Test: Biochemistry, Serum
 Requested: 15/02/2024 Collected: 13/09/2024 Reported: 15/09/2024
 09:58

Clinical Notes: thyroxine dose change
 Pathologist: A/Prof P. Stewart

Biochemistry (Serum)

	02/06/22	16/03/23	13/09/24		
Coll Date:	02/06/22	16/03/23	13/09/24		
Coll Time:	09:00	08:55	08:35		
Lab Number:	6743703	10012215	80842538		
Sodium	139	139	138	(135-145)	mmol/L
Potassium	4.3	4.6	4.8	(3.5-5.3)	mmol/L
Chloride	105	105	105	(95-110)	mmol/L
Bicarbonate	26	22	28	(22-32)	mmol/L
Anion Gap	12	17	10	(8-19)	mmol/L
Urea	6.4	6.3	5.2	(3.2-8.2)	mmol/L
Creatinine	79	84	81	(45-90)	umol/L
eGFR	79	74	77	(> 59)	
Urate	0.26	0.28	0.23	(0.15-0.40)	mmol/L
Total Protein	65	68	67	(60-80)	g/L
Globulin	30	30	30	(23-39)	g/L
Albumin	35	38	37	(34-50)	g/L
Bilirubin	8	13	11	(< 21)	umol/L
Alk. Phosphatase	60	59	69	(30-110)	U/L
Gamma GT	15	14	13	(< 36)	U/L
ALT	92 H	21	17	(< 35)	U/L
AST	56 H	20	21	(< 30)	U/L
LD	172	153	138	(120-250)	U/L
Calcium	2.28	2.36	2.32	(2.10-2.60)	mmol/L
Adj. Calcium	2.38	2.40	2.38	(2.10-2.60)	mmol/L
Phosphate	1.50	1.39	1.39	(0.75-1.50)	mmol/L

Tests to follow: IGS,ANA,RT3,STE,TFT

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Phone: 0410469995
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Your Reference: Lab Reference: 24-80842538-IGE-0
Laboratory: 4Cyte Pathology
Addressee: Dr KIRSTY TORSON Referred by: Dr KIRSTY TORSON

Name of Test: Total Ige
Requested: 15/02/2024 Collected: 13/09/2024 Reported: 15/09/2024
09:23

Clinical Notes: thyroxine dose change
Pathologist: Prof D. Fulcher

Total IgE (Serum)

Coll Date:	16/03/23	13/09/24
Coll Time:	08:55	08:35
Lab Number:	10012215	80842538
Total IgE	203.0 H	147.0 H (< 114.0) KU/L

Tests to follow: FE, IGS, FATS, ANA, CHEM, RT3, CRP, STE, TFT, B12/FOL

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Phone: 0410469995
Birthdate: 09/02/1981 Sex: F Medicare Number: 25239662571
Your Reference: Lab Reference: 24-80842538-LPM-0
Laboratory: 4Cyte Pathology
Addressee: Dr KIRSTY TORSON Referred by: Dr KIRSTY TORSON

Name of Test: Lipid Studies
Requested: 15/02/2024 Collected: 13/09/2024 Reported: 15/09/2024
09:58

Clinical Notes: thyroxine dose change
Pathologist: A/Prof P. Stewart

Lipid Studies (Serum)

Coll Date:	02/06/22	16/03/23	13/09/24
Coll Time:	09:00	08:55	08:35
Lab Number:	6743703	10012215	80842538

Status	Fasting	Fasting	Fasting		
Cholesterol	6.0 H	6.6 H	6.4 H	(< 5.6)	mmol/L
Triglyceride	0.8	0.9	1.1	(< 2.1)	mmol/L
HDL-c	1.9	2.2	2.0	(> 1.1)	mmol/L
LDL-c	3.7 H	4.0 H	3.9 H	(< 3.1)	mmol/L
TC/HDL-c	3.2	3.0	3.2	(< 4.5)	
Non-HDL-c	4.1 H	4.4 H	4.4 H	(< 4.1)	mmol/L

National Heart Foundation treatment targets for high risk patients:

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

Tests to follow: IGS, ANA, RT3, STE, TFT

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Phone: 0410469995
Birthdate: 09/02/1981 Sex: F Medicare Number: 25239662571
Your Reference: Lab Reference: 24-80842538-CRP-0
Laboratory: 4Cyte Pathology
Addressee: Dr KIRSTY TORSON Referred by: Dr KIRSTY TORSON

Name of Test: C-reactive Protein
Requested: 15/02/2024 Collected: 13/09/2024 Reported: 15/09/2024
09:58

Clinical Notes: thyroxine dose change
Pathologist: A/Prof P. Stewart

C-Reactive Protein (Serum)

Coll Date:	14/03/22	13/09/24		
Coll Time:	08:55	08:35		
Lab Number:	6184986	80842538		
C-Reactive Prot.	< 0.5	0.5	(< 5.0)	mg/L

Tests to follow: IGS, ANA, RT3, STE, TFT

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Phone: 0410469995
Birthdate: 09/02/1981 Sex: F Medicare Number: 25239662571
Your Reference: Lab Reference: 24-80842538-VBM-0
Laboratory: 4Cyte Pathology
Addressee: Dr KIRSTY TORSON Referred by: Dr KIRSTY TORSON

Name of Test: B12/folate Master
Requested: 15/02/2024 Collected: 13/09/2024 Reported: 15/09/2024
10:05

Clinical Notes: thyroxine dose change

B12/Folate (Serum)

Coll Date:	02/06/22	16/03/23	13/09/24	
Coll Time:	09:00	08:55	08:35	
Lab Number:	6743703	10012215	80842538	
Vitamin B12	406	389	383	(156-670) pmol/L
Serum Folate	23.4	39.8	40.0	(> 12.0) nmol/L

Tests to follow: IGS, ANA, RT3, STE, TFT

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Phone: 0410469995
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Your Reference: Lab Reference: 24-80842538-FEM-0
Laboratory: 4Cyte Pathology
Addressee: Dr KIRSTY TORSON Referred by: Dr KIRSTY TORSON

Name of Test: Iron Studies
Requested: 15/02/2024 Collected: 13/09/2024 Reported: 15/09/2024
09:58

Clinical Notes: thyroxine dose change

Iron Studies (Serum)

Coll Date:	02/06/22	16/03/23	13/09/24		
Coll Time:	09:00	08:55	08:35		
Lab Number:	6743703	10012215	80842538		
Ferritin	133	87	66	(30-200)	ug/L
Iron	12	13	18	(9-30)	umol/L
Transferrin	2.3	2.6	2.6	(2.0-3.6)	g/L
Transferrin Sat.	21	20	28	(15-50)	%

Tests to follow: IGS, ANA, RT3, STE, TFT

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Phone: 0410469995
Birthdate: 09/02/1981 Sex: F Medicare Number: 25239662571
Your Reference: Lab Reference: 24-80842538-IMM-0
Laboratory: 4Cyte Pathology
Addressee: Dr KIRSTY TORSON Referred by: Dr KIRSTY TORSON

Name of Test: Immunoglobulins
Requested: 15/02/2024 Collected: 13/09/2024 Reported: 15/09/2024
11:05

Clinical Notes: thyroxine dose change
Pathologist: Prof D. Fulcher

Immunoglobulins (Serum)

Coll Date:	16/03/23	13/09/24
Coll Time:	08:55	08:35
Lab Number:	10012215	80842538

IgG	10.01	10.74	(6.50-16.00) g/L
IgA	1.72	1.98	(0.40-3.50) g/L
IgM		0.85	(0.50-3.00) g/L

Tests to follow: ANA, RT3, STE, TFT

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Phone: 0410469995
Birthdate: 09/02/1981 Sex: F Medicare Number: 25239662571
Your Reference: Lab Reference: 24-80842538-GLM-0
Laboratory: 4Cyte Pathology
Addressee: Dr KIRSTY TORSON Referred by: Dr KIRSTY TORSON

Name of Test: Glucose
Requested: 15/02/2024 Collected: 13/09/2024 Reported: 14/09/2024
10:33

Clinical Notes: thyroxine dose change
Pathologist: A/Prof P. Stewart

Glucose (Serum)

Coll Date:	02/06/22	16/03/23	13/09/24
Coll Time:	09:00	08:55	08:35
Lab Number:	6743703	10012215	80842538

Glucose Fasting	5.0	5.1	4.6	(3.0-5.4)	mmol/L
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Diabetes unlikely (no documented laboratory history of diabetes). Retest every 3 years if low risk.

Tests to follow: FE, IGS, FATS, ANA, CHEM, RT3, CRP, ESR, IGE, STE, TH+++

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 Your Reference: Lab Reference: 24-80842538-HPM-0
 Laboratory: 4Cyte Pathology
 Addressee: Dr KIRSTY TORSON Referred by: Dr KIRSTY TORSON

Name of Test: Full Blood Count
 Requested: 15/02/2024 Collected: 13/09/2024 Reported: 13/09/2024
 17:03

Clinical Notes: thyroxine dose change

Full Blood Count (Whole Blood)

Coll Date:	02/06/22	16/03/23	13/09/24		
Coll Time:	09:00	08:55	08:35		
Lab Number:	6743703	10012215	80842538		
HAEMOGLOBIN	122	126	131	(115-165)	g/L
RBC	4.2	4.2	4.5	(3.8-5.8)	10 ¹² /L
HCT	0.36	0.39	0.41	(0.32-0.46)	
MCV	86.8	93.0	89.8	(80.0-100.0)	fL
MCH	29	30	29	(26-32)	pg
MCHC	338	321	323	(300-360)	g/L
RDW	11.5	12.1	11.8	(< 15.1)	%
WCC	8.8	5.6	7.3	(4.0-11.0)	
Neutrophils	4.7	2.3	3.2	(2.0-8.0)	
Lymphocytes	3.3	2.8	3.3	(1.0-4.0)	
Monocytes	0.6	0.3	0.6	(0.2-1.0)	
Eosinophils	0.2	0.2	0.2	(< 0.8)	
Basophils	0.0	0.0	0.1	(< 0.2)	
PLATELETS	384	302	338	(150-400)	10 ⁹ /L
MPV	10.0	9.0	9.8	(6.5-14.0)	fL

FBC parameters normal.

Tests to follow: FE,BSL,IGS,FATS,ANA,CHEM,RT3,CRP,ESR,IGE,ST+++

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Your Reference: Lab Reference: 24-80842538-STE-0
Laboratory: 4Cyte Pathology
Addressee: Dr KIRSTY TORSON Referred by: Dr KIRSTY TORSON

Name of Test: Serum Trace Elements
Requested: 15/02/2024 Collected: 13/09/2024 Reported: 16/09/2024
12:53

Clinical Notes: thyroxine dose change
Pathologist: A/Prof P. Stewart

Trace Elements (Serum)

Coll Date: 13/09/24
Coll Time: 08:35
Lab Number: 80842538

Zinc 13.5 (8.0-17.0) umol/L

Tests to follow: ANA, RT3

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Phone: 0410469995
Birthdate: 09/02/1981 Sex: F Medicare Number: 25239662571
Your Reference: Lab Reference: 24-80842538-THM-0
Laboratory: 4Cyte Pathology
Addressee: Dr KIRSTY TORSON Referred by: Dr KIRSTY TORSON

Name of Test: Thyroid
Requested: 15/02/2024 Collected: 13/09/2024 Reported: 16/09/2024
13:02

Clinical Notes: thyroxine dose change
Pathologist: A/Prof P. Stewart

Thyroid (Serum)

Coll Date:	05/12/23	06/02/24	13/09/24
Coll Time:	13:50	12:22	08:35
Lab Number:	11947371	12314650	80842538

TSH	7.54	H	7.37	H	10.08	H	(0.50-4.00)	mIU/L
Free T4	13.9		14.9		15.9		(10.0-22.7)	pmol/L
Free T3	4.4		4.4		4.5		(3.5-7.5)	pmol/L
TPO Ab	> 1300.0	H	1300.0	H	1300.0	H	(< 60.0)	IU/mL
Thyroglobulin Ab	< 1.3		< 1.3		< 1.3		(< 4.5)	IU/mL
TSH-R Ab	< 0.10		< 0.10		< 0.10		(< 0.55)	IU/L

Results consistent with inadequate / non-compliance with thyroid replacement. If dosage altered, repeat TSH+FT4 in 4-6 weeks.

TPO Abs in hypothyroid patients are consistent with autoimmune thyroid disease/Hashimoto's. TPO Abs are predictive of clinical progression and are associated with preterm birth, miscarriage and subfertility.

Tests to follow: ANA, RT3