

KATALINAWINEMYER@GMAIL.COM

Patient Name: JACOB, KATHARINA
Patient Address: 3/356 CLOVELLY RD, CLOVELLY 2031
D.O.B: 6/07/1985
Medicare No.: 2761356682
Lab. Reference: 20-24146465-UTE-0
Addressee: DR THEODORE ARONEY

Gender: F
IHI No.:
Provider: Lavery Pathology
Referred by: DR. THEODORE ARONEY

Date Requested: 22/09/2020

Date Performed: 22/09/2020

Date Collected: 22/09/2020

Complete: Final

Specimen:

Subject(Test Name): URINE TRACE ELEMENTS (UTE-0)

Clinical Information:

Clinical Notes : hx of hashimotos with over active thyroid ...

URINE TRACE METALS

		(RI)	BOEL
Total Volume	Random		
Urine Creatinine (SI)	9.6 mmol/L		N/A
Urine Creatinine (g/L)	1.08 g/L		N/A
Urine Iodine (ug/L)	64 ug/L		N/A
Urine Iodine/Crt (ug/g)	59 ug/g Crt	(70-530)	N/A

For pregnant women, the WHO recommends a median Urine Iodine Excretion of >150 ug/L.

BOEL = Biological Occupational Exposure Limit
RI = Reference Interval

Requested Tests : UTE, TFT, STE, PRL, GLU, CRP, MBA, LIP, INS, HOR, FE, FBE, ACH, A1C

Patient Name: JACOB, KATHARINA
Patient Address: 3/356 CLOVELLY RD, CLOVELLY 2031
D.O.B: 6/07/1985
Medicare No.: 2761356682
Lab. Reference: 20-24146465-ACH-0
Addressee: DR THEODORE ARONEY

Gender: F
IHI No.:
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Referred by: DR. THEODORE ARONEY

Date Requested: 22/09/2020
Date Collected: 22/09/2020
Specimen:

Date Performed: 22/09/2020
Complete: Final

Subject(Test Name): ACTH (ACH-0)
Clinical Information:

Clinical Notes : hx of hashimotos with over active thyroid ...

ADRENOCORTICOTROPIC HORMONE

ACTH 3.5 pmol/L (< 11)

Requested Tests : UTE*, TFT, STE, PRL, GLU, CRP, MBA, LIP, INS, HOR, FE, FBE, ACH, A1C

Patient Name: JACOB, KATHARINA
Patient Address: 3/356 CLOVELLY RD, CLOVELLY 2031
D.O.B: 6/07/1985
Medicare No.: 2761356682
Lab. Reference: 20-24146465-STE-0
Addressee: DR THEODORE ARONEY

Gender: F
IHI No.:
Provider: Laverty Pathology
Referred by: DR. THEODORE ARONEY

Date Requested: 22/09/2020

Date Performed: 22/09/2020

Date Collected: 22/09/2020

Complete: Final

Specimen:

Subject(Test Name): TRACE ELEMENTS (STE-0)

Clinical Information:

Clinical Notes : hx of hashimotos with over active thyroid ...

PLASMA TRACE ELEMENTS

Request Number	22330858	24146465
Date Collected	20 Jun 20	22 Sep 20
Time Collected	10:00	09:10

(RI)

Zinc	(10.0-18.0) umol/L	13.2	10.1
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RI = Reference Interval

Requested Tests : UTE*, TFT, STE, PRL, GLU, CRP, MBA, LIP, INS, HOR, FE, FBE, ACH*, A1C

Patient Name: JACOB, KATHARINA
Patient Address: 3/356 CLOVELLY RD, CLOVELLY 2031
D.O.B: 6/07/1985
Medicare No.: 2761356682
Lab. Reference: 20-24146465-PRL-0
Addressee: DR THEODORE ARONEY

Gender: F
IHI No.:
Provider: Laverty Pathology
Referred by: DR. THEODORE ARONEY

Date Requested: 22/09/2020

Date Performed: 22/09/2020

Date Collected: 22/09/2020

Complete: Final

Specimen:

Subject(Test Name): SERUM PROLACTIN (PRL-0)

Clinical Information:

Clinical Notes : hx of hashimotos with over active thyroid ...

PROLACTIN

Specimen Type: Serum

Request Number	Date Collected Ref Range	Prolactin mIU/L (40-570)
24146465	22/09/20	531

Requested Tests : UTE*, TFT, STE*, PRL, GLU, CRP, MBA, LIP, INS, HOR, FE, FBE, ACH*, A1C

Patient Name: JACOB, KATHARINA
 Patient Address: 3/356 CLOVELLY RD, CLOVELLY 2031
 D.O.B: 6/07/1985
 Medicare No.: 2761356682
 Lab. Reference: 20-24146465-MBA-0
 Addressee: DR THEODORE ARONEY

Gender: F
 IHI No.:
 Provider: Laverty Pathology
 Referred by: DR. THEODORE ARONEY

Date Requested: 22/09/2020
 Date Collected: 22/09/2020
 Specimen:

Date Performed: 22/09/2020
 Complete: Final

Subject(Test Name): SERUM CHEMISTRY (MBA-0)
 Clinical Information:

Clinical Notes : hx of hashimotos with over active thyroid ...

		SERUM CHEMISTRY			
Request Number		16677473	18796266	22330858	24146465
Date Collected		23 Mar 19	1 Jun 19	20 Jun 20	22 Sep 20
Time Collected		10:48	10:30	10:00	09:10
Specimen Type: Serum					
Haemolysis		Nil	Nil	Nil	Nil
Icterus		Nil	Nil	Nil	Nil
Lipaemia		Nil	Nil	Nil	Nil
Na	(135-145) mmol/L	140	139	141	141
K	(3.6-5.4) mmol/L	4.8	4.8	4.6	4.9
Cl	(95-110) mmol/L	107	104	108	107
HCO3	(22-32) mmol/L	25	25	25	23
An Gap	(10-20) mmol/L	13	15	13	16
Urea	(2.5-8.0) mmol/L	5.4	6.8	3.5	2.7
Creat	(45-90) umol/L	45	60	65	65
eGFR	mL/min/1.73m ²	> 90	> 90	> 90	> 90
Urate	(0.14-0.36) mmol/L	0.26			0.22
Bili	(< 15) umol/L	17	13	12	14
AST	(< 30) U/L	23	29	25	29
ALT	(< 30) U/L	19	23	18	14
GGT	(< 30) U/L	11	8	12	13
Alk Phos	(20-105) U/L	57	58	50	44
Protein	(60-82) g/L	65	66	65	65
Albumin	(38-50) g/L	41	41	43	43
Glob	(20-39) g/L	24	25	22	22
Ca	(2.10-2.60) mmol/L	2.33			2.41
Corr Ca	(2.10-2.60) mmol/L	2.37			2.41
PO4	(0.75-1.50) mmol/L	1.21			1.23
Mg	(0.70-1.10) mmol/L				0.76

eGFR >=90 mL/min/1.73m² usually indicates normal kidney function but does not exclude patients with early kidney damage (those with albuminuria, haematuria or abnormal kidney imaging).

Requested Tests : UTE*, TFT, STE*, PRL*, GLU, CRP, MBA, LIP, INS, HOR, FE, FBE, ACH*, A1C

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D.O.B: 6/07/1985
Medicare No.: 2761356682
Lab. Reference: 20-24146465-HOR-0
Addressee: DR THEODORE ARONEY

Gender: F
IHI No.:
Provider: Laverty Pathology
Referred by: DR. THEODORE ARONEY

Date Requested: 22/09/2020

Date Performed: 22/09/2020

Date Collected: 22/09/2020

Complete: Final

Specimen:

Subject(Test Name): HORMONE PROFILE (HOR-0)

Clinical Information:

Clinical Notes : hx of hashimotos with over active thyroid ...

SERUM HORMONE PROFILE

Specimen Type: Serum

Request Number	Date Collected	FSH IU/L	LH IU/L	PROG nmol/L	E2 (ATEL) pmol/L	E2 (BECK) pmol/L	LH/FSH Ratio
24146465	22 Sep 20	4	2.9	38	783		

Reference Ranges

	FSH	LH	PROG	OESTRADIOL
Follicular	2-12	2-12	0.5-4.5	100-530
Midcycle	12-30	>15		235-1300
Luteal	2-12	2-15	10.6-89.1	205-790
Menopausal	>25	>10		<100
Prepubertal	<6	<4		

PLEASE NOTE:

'E2 (ATEL)' - Oestradiol by Siemens Atellica assay

'E2 (BECK)' - Oestradiol by Beckman Access assay

Requested Tests : UTE*, TFT, STE*, PRL*, GLU, CRP, MBA*, LIP, INS, HOR, FE, FBE, ACH*, A1C

Patient Name: JACOB, KATHARINA
Patient Address: 3/356 CLOVELLY RD, CLOVELLY 2031
D.O.B: 6/07/1985
Medicare No.: 2761356682
Lab. Reference: 20-24146465-INS-0
Addressee: DR THEODORE ARONEY

Gender: F
IHI No.:
Provider: Lavery Pathology
Referred by: DR. THEODORE ARONEY

Date Requested: 22/09/2020

Date Performed: 22/09/2020

Date Collected: 22/09/2020

Complete: Final

Specimen:

Subject(Test Name): SERUM INSULIN (INS-0)

Clinical Information:

Clinical Notes : hx of hashimotos with over active thyroid ...

SERUM INSULIN

Fasting status
Haemolysis

Fasting
Nil

Insulin 3 mU/L (< 10)

ASSESSMENT OF INSULIN RESISTANCE (FASTING SAMPLES ONLY)

< 10 - normal insulin sensitivity
10-14 - mild insulin resistance
> 14 - insulin resistance

Insulin results from non-fasting samples are difficult to interpret
although any result ≥ 60 mU/L is likely to indicate insulin resistance.

Requested Tests : UTE*, TFT, STE*, PRL*, GLU, CRP, MBA*, LIP, INS, HOR*, FE, FBE, ACH*, A1C

Patient Name: JACOB, KATHARINA
Patient Address: 3/356 CLOVELLY RD, CLOVELLY 2031
D.O.B: 6/07/1985
Medicare No.: 2761356682
Lab. Reference: 20-24146465-GLU-0
Addressee: DR THEODORE ARONEY

Gender: F
IHI No.:
Provider: Lavery Pathology
Referred by: DR. THEODORE ARONEY

Date Requested: 22/09/2020
Date Collected: 22/09/2020
Specimen:

Date Performed: 22/09/2020
Complete: Final

Subject(Test Name): GLUCOSE (GLU-0)
Clinical Information:

Clinical Notes : hx of hashimotos with over active thyroid ...

SERUM/PLASMA GLUCOSE

Request Number	16677473	18796266	22330858	24146465
Date Collected	23 Mar 19	1 Jun 19	20 Jun 20	22 Sep 20
Time Collected	10:48	10:30	10:00	09:10
Fasting status	Fasting	Fasting	Fasting	Fasting
Serum (3.4-5.4) mmol/L	5.5	4.7	5.3	5.3

Normal glucose concentration.

Requested Tests : UTE*, TFT, STE*, PRL*, GLU, CRP, MBA*, LIP, INS*, HOR*, FE, FBE, ACH*, A1C

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Patient Address: 3/356 CLOVELLY RD, CLOVELLY 2031
D.O.B: 6/07/1985
Medicare No.: 2761356682
Lab. Reference: 20-24146465-LIP-0
Addressee: DR THEODORE ARONEY

Gender: F
IHI No.:
Provider: Laverty Pathology
Referred by: DR. THEODORE ARONEY

Date Requested: 22/09/2020

Date Performed: 22/09/2020

Date Collected: 22/09/2020

Complete: Final

Specimen:

Subject(Test Name): LIPID STUDIES (LIP-0)

Clinical Information:

Clinical Notes : hx of hashimotos with over active thyroid ...

	LIPID STUDIES			
Request Number	166777473	18796266	22330858	24146465
Date Collected	23 Mar 19	1 Jun 19	20 Jun 20	22 Sep 20
Time Collected	10:48	10:30	10:00	09:10
Specimen Type: Serum				

Reference intervals are included for reference only, and interpretation / treatment goals should be guided by patient-specific cardiovascular risk assessment (see Australian Cardiovascular Risk Charts. Alternatively, the web-site www.cvdcheck.org.au can be accessed in order to complete a risk assessment for individual patients.)

Haemolysis	Nil	Nil	Nil	Nil
Icterus	Nil	Nil	Nil	Nil
Lipaemia	Nil	Nil	Nil	Nil

Fasting status		Fasting	Fasting	Fasting	Fasting
Chol (3.6-5.2)	mmol/L	3.6	3.7	5.4	4.6
Trig (0.5-1.7)	mmol/L	0.4	0.6	0.6	0.6
HDL (1.0-2.0)	mmol/L	1.4		2.0	
LDL (1.5-3.4)		2.0		3.1	
Non-HDL (< 3.4)		2.2		3.4	
Chol/HDL(< 4.5)		2.6		2.7	

NVDPA TARGET LIPID RANGES (MMOL/L) FOR PATIENTS AT HIGH / MODERATE RISK OF CARDIOVASCULAR DISEASE:

TOTAL CHOLESTEROL	<4.0
TRIGS (FASTING)	<2.0
HDL-C	>= 1.0
LDL-C	<2.0
NON HDL-C	<2.5

Requested Tests : UTE*, TFT, STE*, PRL*, GLU, CRP, MBA*, LIP, INS*, HOR*, FE, FBE, ACH*, A1C

Patient Name: JACOB, KATHARINA
Patient Address: 3/356 CLOVELLY RD, CLOVELLY 2031
D.O.B: 6/07/1985
Medicare No.: 2761356682
Lab. Reference: 20-24146465-TFT-0
Addressee: DR THEODORE ARONEY

Gender: F
IHI No.:
Provider: Lavery Pathology
Referred by: DR. THEODORE ARONEY

Date Requested: 22/09/2020

Date Performed: 22/09/2020

Date Collected: 22/09/2020

Complete: Final

Specimen:

Subject(Test Name): THYROID FUNCTION TEST (TFT-0)

Clinical Information:

Clinical Notes : hx of hashimotos with over active thyroid ...

	THYROID PROFILE				
Request Number	16677473	18279485	22330858	24146465	
Date Collected	23 Mar 19	14 May 19	20 Jun 20	22 Sep 20	
Time Collected	10:48	10:45	10:00	09:10	
Specimen Type: Serum					
TSH (0.5-4.0)	mIU/L	< 0.02	< 0.02	0.89	1.2
FT4 (10-20)	pmol/L	33	16	15	14
FT3 (3.5-6.0)	pmol/L	9.5	4.4		4.9

Result(s) consistent with euthyroidism.

Please note the above reference intervals have been developed from a non-pregnant healthy general population study.

Requested Tests : UTE*, TFT, STE*, PRL*, GLU, CRP, MBA*, LIP, INS*, HOR*, FE, FBE, ACH*, A1C

Patient Name: JACOB, KATHARINA
Patient Address: 3/356 CLOVELLY RD, CLOVELLY 2031
D.O.B: 6/07/1985
Medicare No.: 2761356682
Lab. Reference: 20-24146465-FE-0
Addressee: DR THEODORE ARONEY

Gender: F
IHI No.:
Provider: Laverty Pathology
Referred by: DR. THEODORE ARONEY

Date Requested: 22/09/2020

Date Performed: 22/09/2020

Date Collected: 22/09/2020

Complete: Final

Specimen:

Subject(Test Name): IRON STUDIES (FE-0)

Clinical Information:

Clinical Notes : hx of hashimotos with over active thyroid ...

IRON STUDIES

Request Number	16677473	18796266	22330858	24146465
Date Collected	23 Mar 19	1 Jun 19	20 Jun 20	22 Sep 20
Time Collected	10:48	10:30	10:00	09:10
Specimen Type: Serum				
Iron (10-30) umol/L		23	14	22
T'ferrin(32-48) umol/L		22	24	25
T. Sat. (13-45) %		53	30	45
Ferritin(30-165) ug/L	120	95	81	50

Transferrin may be decreased by protein deficiency or loss. The normal ferritin, in the context of a normal CRP, makes iron deficiency unlikely.

Requested Tests : UTE*, TFT, STE*, PRL*, GLU, CRP, MBA*, LIP, INS*, HOR*, FE, FBE, ACH*, A1C

Patient Name: JACOB, KATHARINA
Patient Address: 3/356 CLOVELLY RD, CLOVELLY 2031
D.O.B: 6/07/1985
Medicare No.: 2761356682
Lab. Reference: 20-24146465-CRP-0
Addressee: DR THEODORE ARONEY

Gender: F
IHI No.:
Provider: Lavery Pathology
Referred by: DR. THEODORE ARONEY

Date Requested: 22/09/2020

Date Performed: 22/09/2020

Date Collected: 22/09/2020

Complete: Final

Specimen:

Subject(Test Name): C-REACTIVE PROTEIN (CRP-0)

Clinical Information:

Clinical Notes : hx of hashimotos with over active thyroid ...

C-REACTIVE PROTEIN

Specimen Type: Serum

Serum CRP < 4.0 mg/L (< 6.0)

Requested Tests : UTE*, TFT, STE*, PRL*, GLU, CRP, MBA*, LIP, INS*, HOR*, FE, FBE, ACH*, A1C

Patient Name: JACOB, KATHARINA
Patient Address: 3/356 CLOVELLY RD, CLOVELLY 2031
D.O.B: 6/07/1985
Medicare No.: 2761356682
Lab. Reference: 20-24146465-A1C-0
Addressee: DR THEODORE ARONEY

Gender: F
IHI No.:
Provider: Lavery Pathology
Referred by: DR. THEODORE ARONEY

Date Requested: 22/09/2020

Date Performed: 22/09/2020

Date Collected: 22/09/2020

Complete: Final

Specimen:

Subject(Test Name): GLYCATED HAEMOGLOBIN (A1C-0)

Clinical Information:

Clinical Notes : hx of hashimotos with over active thyroid ...

GLYCATED HAEMOGLOBIN (HbA1c)

Specimen Type: EDTA

HbA1c- NGSP	4.9	%	(4.0-6.0)
HbA1c- IFCC	30	mmol/mol	(20-42)

The WHO recommends that an HbA1c cut-off of $\geq 6.5\%$ (48 mmol/mol) is used to diagnose type 2 diabetes.

While it is recognised that HbA1c levels approaching this cut-off place patients at increasingly higher risk of developing diabetes ($<6.5\%$), there is no consensus as to exactly which cut-off at the lower end of the continuum to use for categorising patients as high risk. Various groups quote lower limits for at-risk patients that vary between 5.5% and 6.0% (37 and 42 mmol/mol).

Please note that HbA1c should not be used for diagnosing diabetes mellitus in the following circumstances:

- Children and young people
- Pregnancy - current or within the past 2 months
- Suspected Type 1 diabetes mellitus
- Symptoms of diabetes for <2 months
- Patients who are acutely ill
- Patients taking drugs that can cause rapid onset hyperglycaemia such as corticosteroids, antipsychotic drugs
- Acute pancreatic damage or pancreatic surgery
- Kidney failure
- Patients being treated for HIV infection

Please be cautious when requesting or interpreting HbA1c when patients:

- May have an abnormal haemoglobin
- May be anaemic
- May have an altered red cell lifespan (e.g. post-splenectomy)
- May have had a recent blood transfusion

Requested Tests : UTE*, TFT*, STE*, PRL*, GLU*, CRP*, MBA*, LIP*, INS*, HOR*, FE*, FBE, ACH*, A1C

Patient Name: JACOB, KATHARINA
 Patient Address: 3/356 CLOVELLY RD, CLOVELLY 2031
 D.O.B: 6/07/1985
 Medicare No.: 2761356682
 Lab. Reference: 20-24146465-FBE-0
 Addressee: DR THEODORE ARONEY

Gender: F
 IHI No.:
 Provider: Lavery Pathology
 Referred by: DR. THEODORE ARONEY

Date Requested: 22/09/2020

Date Performed: 22/09/2020

Date Collected: 22/09/2020

Complete: Final

Specimen:

Subject(Test Name): HAEMATOLOGY (FBE-0)

Clinical Information:

Clinical Notes : hx of hashimotos with over active thyroid ...

HAEMATOLOGY					
Request Number	16677473	18796266	22330858	24146465	
Date Collected	23 Mar 19	1 Jun 19	20 Jun 20	22 Sep 20	
Time Collected	10:48	10:30	10:00	09:10	
Specimen Type: EDTA					
Hb (115-165) g/L	129	134	130	133	
Hct (0.34-0.47)	0.38	0.40	0.39	0.39	
RCC (3.9-5.8) x10 ¹² /L	4.1	4.5	4.2	4.2	
MCV (79-99) fL	93	90	93	92	
MCH (27-34) pg	32	30	31	32	
MCHC (320-360) g/L	339	334	337	341	
RDW (10.0-17.0) %	11.5	11.6	11.6	11.8	
WBC (4.0-11.0) x10 ⁹ /L	4.5	5.8	4.9	5.6	
Neut (2.0-7.5) x10 ⁹ /L	2.4	3.1	2.2	3.1	
Lymph(1.0-4.0) x10 ⁹ /L	1.6	2.1	2.2	1.8	
Mono (0.2-1.0) x10 ⁹ /L	0.4	0.4	0.4	0.5	
Eos (< 0.7) x10 ⁹ /L	0.0	0.1	0.0	0.1	
Baso (< 0.2) x10 ⁹ /L	0.0	0.1	0.0	0.1	
Plat (150-400) x10 ⁹ /L	197	274	241	207	

HAEMATOLOGY: FBC parameters are within reference range.

Requested Tests : UTE*, TFT*, STE*, PRL*, GLU*, CRP*, MBA*, LIP*, INS*, HOR*, FE*, FBE, ACH*, A1C*