

Patient Health Summary

Name: Ms Ingrid Maree Clarke
Address: Unit 2/37 Arden Street
Clovelly West 2031
D.O.B.: 03/07/1974
Record No.: 19215
Home Phone: 0438 626 177
Work Phone:
Mobile Phone: 0438 626 177

Green Square Health
4/965 Bourke St
Waterloo 2017
0296998111

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Investigations:

CLARKE, INGRID
1/65 LAWSON ST, BONDI JUNCTION. 2022
Phone: 0438626177
Birthdate: 03/07/1974 Sex: F Medicare Number: 2402672672
Your Reference: 00066467 Lab Reference: 851150005-H- HAEM VIRTUAL
Laboratory: Douglass Hanly Moir Pathology
Addressee: DR ATARI METCALF Referred by: DR ATARI METCALF

Name of Test: Haematology
Requested: 11/03/2024 Collected: 13/03/2024 Reported: 13/03/2024 12:11

Clinical notes: fatigue, fhx hyperthyroidism

Clinical Notes : fatigue, fhx hyperthyroidism

HAEMATOLOGY

Date	12/11/22	11/01/23	01/06/23	13/03/24		
Time F-Fast	0910 F	Unkn	0951 F	0829 F		
Lab ID	884772749	885572542	887873681	851150005	Units	Reference
Haemoglobin	129	126	128	136	g/L	(119-160)
RCC	4.4	4.1	4.2	4.5	x10 ¹² /L	(3.8-5.8)
Haematocrit	0.40	0.39	0.40	0.41		(0.35-0.48)
MCV	92	94	93	91	fL	(80-100)
MCH	29.5	30.5	30.2	30.2	pg	(27.0-32.0)
MCHC	322	325	324	331	g/L	(310-360)
RDW	14.1	13.9	13.3	13.8		(10.0-15.0)
WCC	6.6	6.9	6.4	6.0	x10 ⁹ /L	(4.0-11.0)
Neutrophils	3.52	3.98	3.61	3.47	x10 ⁹ /L	(2.0-7.5)
Lymphocytes	2.34	2.25	2.12	1.88	x10 ⁹ /L	(1.0-4.0)
Monocytes	0.59	0.61	0.55	0.50	x10 ⁹ /L	(0.0-1.0)
Eosinophils	0.13	0.07	0.09	0.10	x10 ⁹ /L	(0.0-0.5)
Basophils	0.03	0.02	0.02	0.02	x10 ⁹ /L	(0.0-0.3)
NRBC	<1.0	<1.0	<1.0	<1.0	/100 WBC	(<1)
Platelets	276	251	248	287	x10 ⁹ /L	(150-450)

Comments on Collection 13/03/24 0829 F:
Full blood count is within reference limits

NATA Accreditation No 2178

Tests Completed: FBC(e)
Tests Pending : B12(s), Fol(s), LFT(s), C(s), UCreat(s), E(s), Glu(p),
Phos(s), Iron(s), Lipids HDL(s), Ca(s), CRP(s), Mg(s),
Vit D(s), TSH(s), HbA1c Diag(e)
Sample Pending :

CLARKE, INGRID
 1/65 LAWSON ST, BONDI JUNCTION. 2022
 Phone: 0438626177
 Birthdate: 03/07/1974 Sex: F Medicare Number: 2402672672
 Your Reference: 00066467 Lab Reference: 851150005-C-Glucose
 Laboratory: Douglass Hanly Moir Pathology
 Addressee: DR ATARI METCALF Referred by: DR ATARI METCALF

Name of Test: Glucose
 Requested: 11/03/2024 Collected: 13/03/2024 Reported: 13/03/2024 12:41

Clinical notes: fatigue, fhx hyperthyroidism

Clinical Notes : fatigue, fhx hyperthyroidism

GLUCOSE

Date	12/11/22	31/01/23	13/03/24	Units	Reference
Time F-Fast	0910 F	0809 F	0829 F		
Lab ID	884772749	884044684	851150005		
F Gluc Plasma	5.3		5.5	mmol/L	(3.6-6.0)
F Gluc Serum		5.6		mmol/L	(3.6-6.0)

NATA Accreditation No 2178

Tests Completed: Glu(p), FBC(e)
 Tests Pending : B12(s), Fol(s), LFT(s), C(s), UCreat(s), E(s), Phos(s),
 Iron(s), Lipids HDL(s), Ca(s), CRP(s), Mg(s), Vit D(s),
 TSH(s), HbA1c Diag(e)
 Sample Pending :

CLARKE, INGRID
 1/65 LAWSON ST, BONDI JUNCTION. 2022
 Phone: 0438626177
 Birthdate: 03/07/1974 Sex: F Medicare Number: 2402672672
 Your Reference: 00066467 Lab Reference: 851150005-C-Biochemistry
 Laboratory: Douglass Hanly Moir Pathology
 Addressee: DR ATARI METCALF Referred by: DR ATARI METCALF

Name of Test: Biochemistry
 Requested: 11/03/2024 Collected: 13/03/2024 Reported: 13/03/2024 13:11

Clinical notes: fatigue, fhx hyperthyroidism

Clinical Notes : fatigue, fhx hyperthyroidism

BIOCHEMISTRY

Date	12/11/22	31/01/23	13/03/24	Units	Reference
Time F-Fast	0910 F	0809 F	0829 F		
Lab ID	884772749	884044684	851150005		
Status	Fasting	Fasting	Fasting		
Sodium		139	138	mmol/L	(135-145)
Potassium		4.8	4.6	mmol/L	(3.5-5.5)
Chloride		105	105	mmol/L	(95-110)
Bicarbonate		23	27	mmol/L	(20-32)
Urea		6.9	4.1	mmol/L	(2.5-7.0)
Creatinine		75	70	umol/L	(45-85)
eGFR		79	85	mL/min/1.73m2	(>59)
Calcium			2.28	mmol/L	(2.15-2.55)
Corr Calcium			2.28	mmol/L	(2.15-2.55)
Magnesium			0.88	mmol/L	(0.65-1.00)
Phosphate			1.08	mmol/L	(0.8-1.5)
Bili.Total		6	7	umol/L	(3-15)
ALP		47	52	U/L	(20-105)

GGT	17	15	U/L	(5-35)
LD	139	181	U/L	(120-250)
AST	15	17	U/L	(10-35)
ALT	16	15	U/L	(5-30)
Total Protein	70	72	g/L	(68-85)
Albumin	43	43	g/L	(37-48)
Globulin	27	29	g/L	(23-39)
Cholesterol	4.4	H 5.9	mmol/L	(<5.5)
Triglycerides	1.2	0.7	mmol/L	(<2.0)

Comments on Collection 13/03/24 0829 F:
eGFR (mL/min/1.73m2) calculated by CKD-EPI formula - see www.kidney.org.au

NATA Accreditation No 2178

Tests Completed: LFT(s), C(s), UCreat(s), E(s), Glu(p), Phos(s),
Lipids HDL(s), Ca(s), CRP(s), Mg(s), FBC(e)
Tests Pending : B12(s), Fol(s), Iron(s), Vit D(s), TSH(s), HbA1c Diag(e)
Sample Pending :

CLARKE, INGRID
1/65 LAWSON ST, BONDI JUNCTION. 2022
Phone: 0438626177
Birthdate: 03/07/1974 **Sex:** F **Medicare Number:** 2402672672
Your Reference: 00066467 **Lab Reference:** 851150005-C-HDL
Laboratory: Douglass Hanly Moir Pathology
Addressee: DR ATARI METCALF **Referred by:** DR ATARI METCALF

Name of Test: Lipids HDL(s)
Requested: 11/03/2024 **Collected:** 13/03/2024 **Reported:** 13/03/2024 13:11

Clinical notes: fatigue, fhx hyperthyroidism

Clinical Notes : fatigue, fhx hyperthyroidism

Date	31/01/23	13/03/24		
Time F-Fast	0809 F	0829 F		
Lab ID	884044684	851150005	Units	Reference
Status	Fasting	Fasting		
Cholesterol	4.4	H 5.9	mmol/L	(<5.5)
Triglycerides	1.2	0.7	mmol/L	(<2.0)
HDL Chol.	1.8	1.8	mmol/L	(>1.2)
LDL Chol.	2.0	H 3.8	mmol/L	(<3.0)
Non-HDL Chol.	2.6	H 4.1	mmol/L	(<4.0)

Comments on Collection 13/03/24 0829 F:
Please note that the above reference limits are decision limits.
A flag based on these limits is an indication to review the absolute cardiovascular risk for the patient. For assessment of absolute cardiovascular disease risk please see www.cvdcheck.org.au

The above decision limits are based on the European Atherosclerosis Society (EAS) and European Federation of Clinical Chemistry and Laboratory Medicine (EFLM) Consensus Statement 2016 and the Australasian Association of Clinical Biochemistry and Laboratory Medicine (AACB) Lipid Reporting Guideline 2018.

Lipid treatment targets for patients at high risk of cardiovascular disease:

Total cholesterol	<4.0 mmol/L
Triglyceride	<2.0 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)

High risk - Primary prevention Very high risk - Secondary prevention

Target values from the AACB Lipid Reporting Guideline 2018.

Please note that as there is a continuum of risk, benefits are obtained for any measured lipid components moving towards and beyond the various target levels.

NATA Accreditation No 2178

Tests Completed: LFT(s),C(s),UCreat(s),E(s),Glu(p),Phos(s),
Lipids HDL(s),Ca(s),CRP(s),Mg(s),FBC(e)
Tests Pending : B12(s),Fol(s),Iron(s),Vit D(s),TSH(s), HbA1c Diag(e)
Sample Pending :

CLARKE, INGRID
1/65 LAWSON ST, BONDI JUNCTION. 2022
Phone: 0438626177
Birthdate: 03/07/1974 Sex: F Medicare Number: 2402672672
Your Reference: 00066467 Lab Reference: 851150005-C-CRP
Laboratory: Douglass Hanly Moir Pathology
Addressee: DR ATARI METCALF Referred by: DR ATARI METCALF

Name of Test: CRP(s)
Requested: 11/03/2024 Collected: 13/03/2024 Reported: 13/03/2024 13:11

Clinical notes: fatigue,fhx hyperthyroidism

Clinical Notes : fatigue,fhx hyperthyroidism

Date	12/11/22	11/01/23	13/03/24		
Time F-Fast	0910 F	Unkn	0829 F		
Lab ID	884772749	885572542	851150005	Units	Reference
CRP	1.1	2.2	3.2	mg/L	(0.0-5.0)

NATA Accreditation No 2178

Tests Completed: LFT(s),C(s),UCreat(s),E(s),Glu(p),Phos(s),
Lipids HDL(s),Ca(s),CRP(s),Mg(s),FBC(e)
Tests Pending : B12(s),Fol(s),Iron(s),Vit D(s),TSH(s), HbA1c Diag(e)
Sample Pending :

CLARKE, INGRID
1/65 LAWSON ST, BONDI JUNCTION. 2022
Phone: 0438626177
Birthdate: 03/07/1974 Sex: F Medicare Number: 2402672672
Your Reference: 00066467 Lab Reference: 851150005-C-Iron Studies
Laboratory: Douglass Hanly Moir Pathology
Addressee: DR ATARI METCALF Referred by: DR ATARI METCALF

Name of Test: Iron Studies
Requested: 11/03/2024 Collected: 13/03/2024 Reported: 13/03/2024 14:41

Clinical notes: fatigue,fhx hyperthyroidism

Clinical Notes : fatigue,fhx hyperthyroidism

IRON

Date	11/01/23	31/01/23	01/06/23	13/03/24		
Time F-Fast	Unkn	0809 F	0951 F	0829 F		
Lab ID	885572542	884044684	887873681	851150005	Units	Reference
Iron	19.1	15.9	11.8	13.1	umol/L	(5.0-30.0)

Transferrin	L 1.8	2.0	2.0	2.2	g/L	(2.0-3.6)
TIBC (Calc)	L 42	46	46	50	umol/L	(46-77)
Saturation	45	35	26	26	%	(10-45)
Ferritin	H 260	H 238	153	119	ug/L	(15-200)

Comments on Collection 13/03/24 0829 F:
Laboratory records show that a haemochromatosis gene test has been previously performed. No abnormality was detected.

NATA Accreditation No 2178

Tests Completed: B12(s),Fol(s),LFT(s),C(s),UCreat(s),E(s),Glu(p),
Phos(s),Iron(s),Lipids HDL(s),Ca(s),CRP(s),Mg(s),
TSH(s),FBC(e)

Tests Pending : Vit D(s), Active B12(s), HbA1c Diag(e)
Sample Pending :

CLARKE, INGRID
1/65 LAWSON ST, BONDI JUNCTION. 2022
Phone: 0438626177
Birthdate: 03/07/1974 Sex: F Medicare Number: 2402672672
Your Reference: 00066467 Lab Reference: 851150005-E-Thyroid Function
Laboratory: Douglass Hanly Moir Pathology
Addressee: DR ATARI METCALF Referred by: DR ATARI METCALF

Name of Test: Thyroid Function
Requested: 11/03/2024 Collected: 13/03/2024 Reported: 13/03/2024 14:41

Clinical notes: fatigue,fhx hyperthyroidism

Clinical Notes : fatigue,fhx hyperthyroidism

TFT

Date	12/11/22	13/03/24		
Time F-Fast	0910 F	0829 F		
Lab ID	884772749	851150005	Units	Reference
TSH	0.69	0.88	mIU/L	(0.40-3.50)
Free T4	11.7		pmol/L	(9.0-19.0)

NATA Accreditation No 2178

Tests Completed: B12(s),Fol(s),LFT(s),C(s),UCreat(s),E(s),Glu(p),
Phos(s),Iron(s),Lipids HDL(s),Ca(s),CRP(s),Mg(s),
TSH(s),FBC(e)

Tests Pending : Vit D(s), Active B12(s), HbA1c Diag(e)
Sample Pending :

CLARKE, INGRID
1/65 LAWSON ST, BONDI JUNCTION. 2022
Phone: 0438626177
Birthdate: 03/07/1974 Sex: F Medicare Number: 2402672672
Your Reference: 00066467 Lab Reference: 851150005-E-Vitamin B12/Folate
Laboratory: Douglass Hanly Moir Pathology
Addressee: DR ATARI METCALF Referred by: DR ATARI METCALF

Name of Test: B12/Folate/RCF
Requested: 11/03/2024 Collected: 13/03/2024 Reported: 13/03/2024 15:41

Clinical notes: fatigue,fhx hyperthyroidism

Clinical Notes : fatigue,fhx hyperthyroidism

VIT B12 & FOLATE

Date	11/01/23	13/03/24		
Time F-Fast	Unkn	0829 F		
Lab ID	885572542	851150005	Units	Reference
Vitamin B12	195	237	pmol/L	(135-650)
Active B12	62	102	pmol/L	(>35)
S.Fol (Abbott)	33.1	22.8	nmol/L	(>7.0)

Comments on Collection 13/03/24 0829 F:
 From 27 November 2023, active B12 (holotranscobalamin) testing will be performed on all patients with low or equivocal (at or below 400 pmol/L) total B12 results. Both tests are eligible for a Medicare rebate under these circumstances.

NATA Accreditation No 2178

Tests Completed: B12(s),Fol(s),LFT(s),C(s),UCreat(s),E(s),Glu(p),
 Phos(s),Iron(s),Lipids HDL(s),Ca(s),CRP(s),Mg(s),
 Vit D(s),TSH(s), Active B12(s), HbA1c Diag(e),FBC(e)

Tests Pending :
 Sample Pending :

CLARKE, INGRID
 1/65 LAWSON ST, BONDI JUNCTION. 2022
Phone: 0438626177
Birthdate: 03/07/1974 **Sex:** F **Medicare Number:** 2402672672
Your Reference: 00066467 **Lab Reference:** 851150005-C-VITD
Laboratory: Douglass Hanly Moir Pathology
Addressee: DR ATARI METCALF **Referred by:** DR ATARI METCALF

Name of Test: Vit D(s)
Requested: 11/03/2024 **Collected:** 13/03/2024 **Reported:** 13/03/2024 15:41

Clinical notes: fatigue,fhx hyperthyroidism

Clinical Notes : fatigue,fhx hyperthyroidism

Date	11/01/23	13/03/24		
Time F-Fast	Unkn	0829 F		
Lab ID	885572542	851150005	Units	Reference
Vitamin D	68	80	nmol/L	(50-140)

Comments on Collection 13/03/24 0829 F:
 According to the Position Statement 'Vitamin D and health in adults in Australia and New Zealand' MJA, 196(11):686-687, 2012, Vitamin D status is defined as:

Mild Deficiency	30	-	49 nmol/L
Moderate Deficiency	12.5	-	29 nmol/L
Severe Deficiency	<12.5		nmol/L

Vitamin D adequacy can be defined as a level >49 nmol/L at the end of winter - the level may need to be 10 - 20 nmol/L higher at the end of summer, to allow for seasonal decrease.
 From 1st November 2014, Medicare rebates for vitamin D testing will apply to patients at risk of Vitamin D deficiency such as chronic lack of sun exposure.

NATA Accreditation No 2178

Tests Completed: B12(s),Fol(s),LFT(s),C(s),UCreat(s),E(s),Glu(p),
 Phos(s),Iron(s),Lipids HDL(s),Ca(s),CRP(s),Mg(s),
 Vit D(s),TSH(s), Active B12(s), HbA1c Diag(e),FBC(e)

Tests Pending :
 Sample Pending :

CLARKE, INGRID
1/65 LAWSON ST, BOND JUNCTION. 2022
Phone: 0438626177
Birthdate: 03/07/1974 Sex: F Medicare Number: 2402672672
Your Reference: 00066467 Lab Reference: 851150005-C-GHB
Laboratory: Douglass Hanly Moir Pathology
Addressee: DR ATARI METCALF Referred by: DR ATARI METCALF

Name of Test: HbA1c
Requested: 11/03/2024 Collected: 13/03/2024 Reported: 13/03/2024 15:41

Clinical notes: fatigue, fhx hyperthyroidism

Clinical Notes : fatigue, fhx hyperthyroidism

Haemoglobin A1c

HbA1c (IFCC)	38	mmol/mol	(20 - 38)
HbA1c (NGSP)	5.6	%	(4.0 - 5.6)

Comment on Lab ID 851150005

HbA1c less than 48 mmol/mol (6.5%) does not exclude a diagnosis of diabetes mellitus based upon elevated glucose results. The existing diagnostic criteria for fasting and random glucose levels and for oral glucose tolerance testing remain valid, and are the diagnostic tests of choice for gestational diabetes, type 1 diabetes and in the presence of conditions that interfere with HbA1c measurement. Conditions which may affect the measured HbA1c value include any of the haemolytic anaemias, anaemia of chronic disease, severe liver disease, vitamin B12 and/or folate deficiency, the haemoglobinopathies and regular phlebotomy performed for medical indications or for blood donation. It also should be noted that further investigation is required for any inexplicably low HbA1c level or significant discrepancy between HbA1c and glucose results.

NATA Accreditation No 2178

Tests Completed: B12(s), Fol(s), LFT(s), C(s), UCreat(s), E(s), Glu(p),
Phos(s), Iron(s), Lipids HDL(s), Ca(s), CRP(s), Mg(s),
Vit D(s), TSH(s), Active B12(s), HbA1c Diag(e), FBC(e)

Tests Pending :

Sample Pending :