

CARLON, EMMA
26 CRANESBILL WAY, FIGTREE. 2525
Birthdate: 06/12/1991 Sex: F Medicare Number: 2731098243
Your Reference: 00621030 Lab Reference: 20-23445201-TFT-0
Laboratory: Laverty Pathology
Addressee: DR AASE PACEY Referred by: DR AASE PACEY

Name of Test: THYROID FUNCTION TEST (TFT-0)
Requested: 02/10/2020 Collected: 06/10/2020 Reported: 06/10/2020
23:47

Clinical notes: CFS, Anxiety.

Clinical Notes : CFS, Anxiety.

	<u>THYROID PROFILE</u>		
Specimen Type: Serum			
TSH	0.51	mIU/L	(0.5-4.0)
FT4	15	pmol/L	(10-20)

Result(s) consistent with euthyroidism.

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

Requested Tests : VBF, UMM*, TOF, TFT, TAA, GLU, ESR*, CRP, MBA, HOR*, FE, EBV*, DVI*, CTD*, AND, A1C*

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CARLON, EMMA
26 CRANESBILL WAY, FIGTREE. 2525
Birthdate: 06/12/1991 Sex: F Medicare Number: 2731098243
Your Reference: 00621030 Lab Reference: 20-23445205-COR-0
Laboratory: Lavery Pathology
Addressee: DR AASE PACEY Referred by: DR AASE PACEY

Name of Test: SERUM CORTISOL (COR-0)
Requested: 02/10/2020 Collected: 06/10/2020 Reported: 07/10/2020
00:00

SERUM CORTISOL

Time 15:50
Cortisol 127 nmol/L

PM Reference Interval 100-400 nmol/L

Requested Tests : COR

CARLON, EMMA
26 CRANESBILL WAY, FIGTREE. 2525
Birthdate: 06/12/1991 Sex: F Medicare Number: 2731098243
Your Reference: 00621030 Lab Reference: 20-23445201-DVI-0
Laboratory: Laverty Pathology
Addressee: DR AASE PACEY Referred by: DR AASE PACEY

Name of Test: VITAMIN D (DVI-0)
Requested: 02/10/2020 Collected: 06/10/2020 Reported: 07/10/2020
00:12

Clinical notes: CFS, Anxiety.

Clinical Notes : CFS, Anxiety.

VITAMIN D

Serum 25(OH) Vitamin D 149 nmol/L

Suggested decision limits for Vitamin D status:

Sufficiency	51 -200	nmol/L
Mild deficiency	25 - 50	nmol/L
Marked deficiency	< 25	nmol/L
Toxicity	>250	nmol/L

References: Vitamin D and health in adults in Australia and New Zealand:
Position Statement. MJA 2012 June 18; 196(11), 686-687.

Requested Tests : VBF, UMM*, TOF, TFT, TAA, GLU, ESR*, CRP, MBA, HOR*, FE,
EBV*, DVI, CTD*, AND, A1C*

CARLON, EMMA
26 CRANESBILL WAY, FIGTREE. 2525
Birthdate: 06/12/1991 **Sex:** F **Medicare Number:** 2731098243
Your Reference: 00621030 **Lab Reference:** 20-23445201-EBV-0
Laboratory: Lavery Pathology
Addressee: DR AASE PACEY **Referred by:** DR AASE PACEY

Name of Test: EPSTEIN-BARR VIRUS (EBV-0)
Requested: 02/10/2020 **Collected:** 06/10/2020 **Reported:** 07/10/2020
00:14

Clinical notes: CFS,Anxiety.

Clinical Notes : CFS,Anxiety.

EBV SEROLOGY

Epstein-Barr virus (VCA)	IgG	Negative
Epstein-Barr virus (VCA)	IgM	Negative
EBV Nuclear Antigen (EBNA)	IgG	Negative

No evidence of recent or past exposure to Epstein-Barr virus. If early infection is suspected please submit a further sample in 10-14 days to exclude a seroconversion.

All testing performed on serum or plasma unless otherwise specified.

Requested Tests : VBF, UMM*, TOF, TFT, TAA, GLU, ESR*, CRP, MBA, HOR*, FE, EBV, DVI, CTD*, AND, A1C*

CARLON, EMMA
26 CRANESBILL WAY, FIGTREE. 2525
Birthdate: 06/12/1991 **Sex:** F **Medicare Number:** 2731098243
Your Reference: 00621030 **Lab Reference:** 20-23445201-ESR-0
Laboratory: Lavery Pathology
Addressee: DR AASE PACEY **Referred by:** DR AASE PACEY

Name of Test: E.S.R (ESR-0)
Requested: 02/10/2020 **Collected:** 06/10/2020 **Reported:** 07/10/2020
00:31

Clinical notes: CFS,Anxiety.

Clinical Notes : CFS,Anxiety.

	HAEMATOLOGY
Request Number	23445201
Date Collected	6 Oct 20
Time Collected	15:50
Specimen Type: EDTA	
ESR (< 30) mm/hr	2

Requested Tests : VBF, UMM*, TOF, TFT, TAA, GLU, ESR, CRP, MBA, HOR*, FE, EBV,
DVI, CTD*, AND, A1C*

CARLON, EMMA
26 CRANESBILL WAY, FIGTREE. 2525
Birthdate: 06/12/1991 Sex: F Medicare Number: 2731098243
Your Reference: 00621030 Lab Reference: 20-23445201-UMM-0
Laboratory: Laverty Pathology
Addressee: DR AASE PACEY Referred by: DR AASE PACEY

Name of Test: URINE MICRO/CULTURE (UMM-0)
Requested: 02/10/2020 Collected: 06/10/2020 Reported: 07/10/2020
00:32

Clinical notes: CFS, Anxiety.

Clinical Notes : CFS, Anxiety.

Specimen	URINE EXAMINATION			
	Midstream			
CHEMISTRY		MICROSCOPY		
pH	7.0	Leucocytes	6	$\times 10^6$ /L (< 10)
Protein	nil	Erythrocytes	2	$\times 10^6$ /L (< 10)
Glucose	nil	Epithelial cells	2	$\times 10^6$ /L (< 10)
Blood	nil			

A urine with these results is not usually infected. Although culture has been performed, a further report will only be issued if the culture is positive.

Requested Tests : VBF, UMM, TOF, TFT, TAA, GLU, ESR, CRP, MBA, HOR*, FE, EBV, DVI, CTD*, AND, A1C*

CARLON, EMMA
26 CRANESBILL WAY, FIGTREE. 2525
Birthdate: 06/12/1991 Sex: F Medicare Number: 2731098243
Your Reference: 00621030 Lab Reference: 20-23445201-GLU-0
Laboratory: Laverty Pathology
Addressee: DR AASE PACEY Referred by: DR AASE PACEY

Name of Test: GLUCOSE (GLU-0)
Requested: 02/10/2020 Collected: 06/10/2020 Reported: 06/10/2020
23:43

Clinical notes: CFS, Anxiety.

Clinical Notes : CFS, Anxiety.

	<u>SERUM/PLASMA GLUCOSE</u>	
Fasting status	Random	
Serum	4.8 mmol/L	(3.4-7.7)

Normal glucose concentration.

Requested Tests : VBF*, UMM*, TOF, TFT*, TAA, GLU, ESR*, CRP, MBA, HOR*, FE,
EBV*, DVI*, CTD*, AND, A1C*

CARLON, EMMA
26 CRANESBILL WAY, FIGTREE. 2525
Birthdate: 06/12/1991 **Sex:** F **Medicare Number:** 2731098243
Your Reference: 00621030 **Lab Reference:** 20-23445201-FE-0
Laboratory: Laverty Pathology
Addressee: DR AASE PACEY **Referred by:** DR AASE PACEY

Name of Test: IRON STUDIES (FE-0)
Requested: 02/10/2020 **Collected:** 06/10/2020 **Reported:** 06/10/2020
23:43

Clinical notes: CFS,Anxiety.

Clinical Notes : CFS,Anxiety.

	<u>IRON STUDIES</u>		
Specimen Type: Serum			
Serum Iron	15	umol/L	(10-30)
Transferrin	28	umol/L	(32-48)
Transferrin Saturation	27	%	(13-45)
Serum Ferritin	35	ug/L	(30-165)

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 : VBF*, UMM*, TOF, TFT*, TAA, GLU, ESR*, CRP, MBA, HOR*, FE, EBV*, DVI*, CTD*, AND, A1C*

CARLON, EMMA
26 CRANESBILL WAY, FIGTREE. 2525
Birthdate: 06/12/1991 **Sex:** F **Medicare Number:** 2731098243
Your Reference: 00621030 **Lab Reference:** 20-23445201-CRP-0
Laboratory: Laverty Pathology
Addressee: DR AASE PACEY **Referred by:** DR AASE PACEY

Name of Test: C-REACTIVE PROTEIN (CRP-0)
Requested: 02/10/2020 **Collected:** 06/10/2020 **Reported:** 06/10/2020
23:43

Clinical notes: CFS,Anxiety.

Clinical Notes : CFS,Anxiety.

C-REACTIVE PROTEIN **

Specimen Type: Serum
Serum CRP

< 4.0 mg/L (< 6.0)

Requested Tests : VBF*, UMM*, TOF, TFT*, TAA, GLU, ESR*, CRP, MBA, HOR*, FE,
EBV*, DVI*, CTD*, AND, A1C*

CARLON, EMMA
26 CRANESBILL WAY, FIGTREE. 2525
Birthdate: 06/12/1991 **Sex:** F **Medicare Number:** 2731098243
Your Reference: 00621030 **Lab Reference:** 20-23445201-MBA-0
Laboratory: Laverty Pathology
Addressee: DR AASE PACEY **Referred by:** DR AASE PACEY

Name of Test: SERUM CHEMISTRY (MBA-0)
Requested: 02/10/2020 **Collected:** 06/10/2020 **Reported:** 06/10/2020
23:43

Clinical notes: CFS,Anxiety.

Clinical Notes : CFS,Anxiety.

	<u>SERUM CHEMISTRY</u>		
Specimen Type: Serum			
Haemolysis	Nil		
Icterus	Nil		
Lipaemia	Nil		
Albumin	45	g/L	(38-50)
Calcium	2.39	mmol/L	(2.10-2.60)
Corrected Calcium	2.35	mmol/L	(2.10-2.60)
Phosphate	1.32	mmol/L	(0.75-1.50)
Magnesium	0.72	mmol/L	(0.70-1.10)

Requested Tests : VBF*, UMM*, TOF, TFT*, TAA, GLU, ESR*, CRP, MBA, HOR*, FE,
EBV*, DVI*, CTD*, AND, A1C*

• Cumulative result

Flag	Results	Reference Range
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"SE-CA125"

• Requested: 09/01/2020
• Reported: 13/01/2020 14:01
• Test Category: Routine
• Normal Result: Y
• Requested Tests
BMI, FERRITIN, PROLACTIN, CA125, CORTISOL AM, THYROID ANTIBODIES
• RequestComplete: Y
• Result: Clinical Notes : No clinical notes provided

Date	13/01/20		
Time	0941		
Lab Id.	486085327	Units	Reference
CA125	13	U/mL	(0-35)

CA125 High dose Biotin (5mg/day) may interfere with these tests.

Comments on Collection 13/01/20 0941:

CA125

Approximately 20% of ovarian carcinomas do not show elevation of CA125.

Supervising Pathologist:LB

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: BMI, FERRITIN, PROLACTIN, CA125, CORTISOL AM, THYROID ANTIBODIES

Tests Pending :

Sample Pending :

• Cumulative result

Flag	Results	Reference Range
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"SE-CORTISOL AM"

• Requested: 09/01/2020
• Reported: 13/01/2020 14:01
• Test Category: Routine
• Normal Result: Y
• Requested Tests
BMI, FERRITIN, PROLACTIN, CA125, CORTISOL AM, THYROID ANTIBODIES
• RequestComplete: Y
• Result: Clinical Notes : No clinical notes provided

CORTISOLS

Date	13/01/20		
Time	0941		
Lab Id.	486085327	Units	Reference
Cortisol am	207	nmol/L	(135-690)

Supervising Pathologist:LB

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: BMI, FERRITIN, PROLACTIN, CA125, CORTISOL AM, THYROID ANTIBODIES

Tests Pending :

Sample Pending :

• Cumulative result

Flag	Results	Reference Range
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"SE-THYROID ANTIBODIES"

• Requested: 09/01/2020
• Reported: 13/01/2020 14:10
• Test Category: Routine
• Normal Result: Y
• Requested Tests
BMI, FERRITIN, PROLACTIN, CA125, CORTISOL AM, THYROID ANTIBODIES
• RequestComplete: Y
• Result: Clinical Notes : No clinical notes provided

TFT

Date	20/12/16	04/01/19	19/12/19	13/01/20		
Time F-Fast	1525	1100 F	1105	0941		
Lab Id.	483770415	484880421	486047459	486085327	Units	Reference
TSH	0.56	0.60	0.92		mIU/L	(0.40-3.50)
Free T4	14.7	15.2	13.4		pmol/L	(11.0-24.0)
Free T3	4.7	5.1	5.1		pmol/L	(3.1-6.8)
Microsomal.Ab			9	9	IU/mL	(0-35)
Thyroglobulin Ab			11	10	IU/mL	(0-115)

Supervising Pathologist:LB

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: BMI, FERRITIN, PROLACTIN, CA125, CORTISOL AM, THYROID ANTIBODIES
Tests Pending :
Sample Pending :

• Cumulative result

Patient Name: CARLON, EMMA
Patient Address: 26 CRANESBILL WAY, FIGTREE 2525
D.O.B: 6/12/1991
Medicare No.: 2731098243
Lab. Reference: 486460142-C-C141
Addressee: DR ROMESH SARVANANDAN

Gender: F
IHI No.:
Provider: Southern IML Pathology
Referred by: Dr Romesh Sarvanandan

Date Requested: 11/08/2020
Date Collected: 11/08/2020

Date Performed: 11/08/2020
Complete: Final

Specimen:
Subject(Test Name): SE- ROUTINE BIO
Clinical Information:

Clinical Notes : Review as per specialist.

Routine biochemistry

Date	19/12/19	20/01/20	25/06/20	11/08/20		
Time F-Fast	1105	0900 F	1152 F	1530		
Lab Id.	486047459	485981535	486415844	486460142	Units	Reference
Fast. Glucose		4.5	4.3		mmol/L	(3.6-6.0)
Random Glucose				4.9	mmol/L	(3.6-7.7)
Sodium	141	143		140	mmol/L	(135-145)
Potassium	4.9	4.2		4.0	mmol/L	(3.5-5.5)
Chloride	102	105		102	mmol/L	(95-110)
Bicarbonate	26	23		27	mmol/L	(20-32)
Urea	4.0	3.3		3.2	mmol/L	(2.5-6.5)
Creat.	62	65		65	umol/L	(45-85)
eGFR(CKD.EPI)	>90	>90		>90	mL/min/1.73m2	(>89)
Calcium	2.38				mmol/L	(2.15-2.55)
Ca (corr)	2.30				mmol/L	(2.15-2.55)
Phosphate	1.27				mmol/L	(0.8-1.5)
Total Protein	69			68	g/L	(64-81)
Albumin	44			44	g/L	(33-46)
Globulin	25 L			24 L	g/L	(26-41)
ALP	73			99	U/L	(20-105)
GGT	10			7	U/L	(5-35)
ALT	15			9	U/L	(5-30)
AST	22			17	U/L	(10-35)
LDH	195			133	U/L	(120-250)
T Bilirubin	9			7	umol/L	(3-15)
Creatine Kinase	60				U/L	(30-150)

Comments on Collection 11/08/20 1530:
Renal Function
Note: eGFR units are mL/min/1.73m2.

Glucose
Diabetes unlikely.

Supervising Pathologist:LB

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: BMI, LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
GLUCOSE, IRON STUDIES, TF FT4 FT3, VITAMIN B12, S.FOLATE, FULL BLOOD COUNT
Tests Pending : CHLAM TRACH PCR URINE, GONO PCR URINE,
THYROGLOBULIN AB, GENERAL MICRO1
Sample Pending :

Patient Name: CARLON, EMMA
Patient Address: 26 CRANESBILL WAY, FIGTREE 2525
D.O.B: 6/12/1991
Medicare No.: 2731098243
Lab. Reference: 486460142-C-H246
Addressee: DR ROMESH SARVANANDAN

Gender: F
IHI No.:
Provider: Southern IML Pathology
Referred by: Dr Romesh Sarvanandan

Date Requested: 11/08/2020
Date Collected: 11/08/2020
Specimen:
Subject(Test Name): SE-HAEMATINICS
Clinical Information:

Date Performed: 11/08/2020
Complete: Final

Clinical Notes : Review as per specialist.

Iron/B12/Folate

Date	19/12/19	13/01/20	20/01/20	11/08/20		
Time F-Fast	1105	0941	0900 F	1530		
Lab Id.	486047459	486085327	485981535	486460142	Units	Reference
Vitamin B12	863		814	997	pmol/L	(>177)
Folate			21.6	30.9	nmol/L	(>6.0)
Active B12	126				pmol/L	(>35)

Vitamin B12 High dose Biotin (5mg/day) may interfere with these tests.
FOLATE SERUM Range change 22/09/16

Comments on Collection 11/08/20 1530:
FOLATE SERUM
Serum folate is now used as the screen for folate deficiency.

Supervising Pathologist:LB

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: BMI, LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
GLUCOSE, IRON STUDIES, TF FT4 FT3, VITAMIN B12, S.FOLATE, FULL BLOOD COUNT

Tests Pending : CHLAM TRACH PCR URINE, GONO PCR URINE,
THYROGLOBULIN AB, GENERAL MICRO1

Sample Pending :

Patient Name: CARLON, EMMA
Patient Address: 26 CRANESBILL WAY, FIGTREE 2525
D.O.B: 6/12/1991
Medicare No.: 2731098243
Lab. Reference: 486460142-C-C151
Addressee: DR ROMESH SARVANANDAN

Gender: F
IHI No.:
Provider: Southern IML Pathology
Referred by: Dr Romesh Sarvanandan

Date Requested: 11/08/2020

Date Performed: 11/08/2020

Date Collected: 11/08/2020

Complete: Final

Specimen:

Subject(Test Name): SE-_IRON STUDIES

Clinical Information:

Clinical Notes : Review as per specialist.

IRON

Date	19/12/19	13/01/20	20/01/20	11/08/20		
Time F-Fast	1105	0941	0900 F	1530		
Lab Id.	486047459	486085327	485981535	486460142	Units	Reference
Iron			24.9	13.8	umol/L	(8.8-27.0)
Transferrin			2.2	2.4	g/L	(2.0-3.6)
Trans Sat			50 H	25	%	(10-45)
Ferritin	68	51	54	74	ug/L	(30-160)

Ferritin N.B Ferritin range change 28/04/17

Supervising Pathologist:LB

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: BMI,LIVER FUNCTION TESTS,RENAL FUNCTION,ELECTROLYTES,
GLUCOSE,IRON STUDIES,TF FT4 FT3,VITAMIN B12,S.FOLATE,FULL BLOOD COUNT
Tests Pending : CHLAM TRACH PCR URINE,GONO PCR URINE,
THYROGLOBULIN AB,GENERAL MICRO1

Sample Pending :

Patient Name: CARLON, EMMA
Patient Address: 26 CRANESBILL WAY, FIGTREE 2525
D.O.B: 6/12/1991
Medicare No.: 2731098243
Lab. Reference: 486460142-H-H902
Addressee: DR ROMESH SARVANANDAN

Gender: F
IHI No.:
Provider: Southern IML Pathology
Referred by: Dr Romesh Sarvanandan

Date Requested: 11/08/2020
Date Collected: 11/08/2020

Date Performed: 11/08/2020
Complete: Final

Specimen:
Subject(Test Name): ED- HAEMATOLOGY
Clinical Information:

Clinical Notes : Review as per specialist.

Haematology

Date	04/01/19	19/12/19	20/01/20	11/08/20		
Time F-Fast	1100 F	1105	0900 F	1530		
Lab Id.	484880421	486047459	485981535	486460142	Units	Reference
Haemoglobin	140	144	127	144	g/L	(119-160)
RCC	4.5	4.7	4.1	4.7	10*12/L	(3.8-5.8)
Haematocrit	0.42	0.44	0.37	0.43		(0.35-0.48)
MCV	93	93	91	93	fL	(80-100)
MCH	31	31	31	31	pg	(27-32)
MCHC	330	329	340	333	g/L	(310-360)
RDW	13	13	13	13		(10-15)
WCC	10.2	8.1	6.2	10.8	10*9/L	(4.0-11.0)
Neutrophils	7.7 H	4.8	3.5	6.5	10*9/L	(2.0-7.5)
Lymphocytes	1.6	2.5	2.1	3.4	10*9/L	(1.0-4.0)
Monocytes	0.7	0.7	0.5	0.7	10*9/L	(0-1.0)
Eosinophils	0.1	0.1	0.1	0.2	10*9/L	(0-0.5)
Basophils	<0.1	<0.1	<0.1	<0.1	10*9/L	(0-0.3)
Platelets	360	364	306	407	10*9/L	(150-450)

Supervising Pathologist:CV/RR

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: BMI, FULL BLOOD COUNT

Tests Pending : LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
 GLUCOSE, IRON STUDIES, CHLAM TRACH PCR URINE,
 GONO PCR URINE, TF FT4 FT3, VITAMIN B12, S.FOLATE,
 THYROGLOBULIN AB, GENERAL MICRO1

Sample Pending :

Patient Name: CARLON, EMMA
Patient Address: 26 CRANESBILL WAY, FIGTREE 2525
D.O.B: 6/12/1991
Medicare No.: 2731098243
Lab. Reference: 486460142-C-E031
Addressee: DR ROMESH SARVANANDAN

Gender: F
IHI No.:
Provider: Southern IML Pathology
Referred by: Dr Romesh Sarvanandan

Date Requested: 11/08/2020
Date Collected: 11/08/2020

Date Performed: 11/08/2020
Complete: Final

Specimen:
Subject(Test Name): SE- THYROID FUNCTION
Clinical Information:

Clinical Notes : Review as per specialist.

TFT

Date	04/01/19	19/12/19	13/01/20	11/08/20		
Time F-Fast	1100 F	1105	0941	1530		
Lab Id.	484880421	486047459	486085327	486460142	Units	Reference
TSH	0.60	0.92		0.99	mIU/L	(0.40-3.50)
Free T4	15.2	13.4		16.6	pmol/L	(11.0-24.0)
Free T3	5.1	5.1		5.3	pmol/L	(3.1-6.8)
Microsomal.Ab		9	9		IU/mL	(0-35)
Thyroglobulin Ab		11	10	13	IU/mL	(0-115)

TF3 High dose Biotin (5mg/day) may interfere with these tests.

Comments on Collection 11/08/20 1530:

TF3

Euthyroid levels.

Supervising Pathologist:LB

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: BMI, LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
GLUCOSE, IRON STUDIES, TF FT4 FT3, VITAMIN B12, S.FOLATE,
THYROGLOBULIN AB, FULL BLOOD COUNT

Tests Pending : CHLAM TRACH PCR URINE, GONO PCR URINE, GENERAL MICRO1

Sample Pending :

Patient Name: CARLON, EMMA
Patient Address: 26 CRANESBILL WAY, FIGTREE 2525
D.O.B: 6/12/1991
Medicare No.: 2731098243
Lab. Reference: 486460142-C-C003
Addressee: DR ROMESH SARVANANDAN

Gender: F
IHI No.:
Provider: Southern IML Pathology
Referred by: Dr Romesh Sarvanandan

Date Requested: 11/08/2020
Date Collected: 11/08/2020

Date Performed: 11/08/2020
Complete: Final

Specimen:
Subject(Test Name): BMI
Clinical Information:

Clinical Notes : Review as per specialist.

Date	29/10/14	19/12/19	13/01/20	11/08/20		
Time	1550	1105	0941	1530		
Lab Id.	482240548	486047459	486085327	486460142	Units	Reference
Height	178	178	178	178	cm	
Weight	78	75	74	75	kg	
BMI	24.6	23.7	23.4	23.7	kg/m2	(18.5-24.9)

Comments on Collection 11/08/20 1530:
BMI
Normal Range (Ideal Weight).

Supervising Pathologist:LB

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: BMI, FULL BLOOD COUNT
Tests Pending : LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
GLUCOSE, IRON STUDIES, CHLAM TRACH PCR URINE,
GONO PCR URINE, TF FT4 FT3, VITAMIN B12, S.FOLATE,
THYROGLOBULIN AB, GENERAL MICRO1

Sample Pending :

Results for Carlon, Emma

Illawarra Family Medical Centre

Data Import Date: 13/01/2020 9:41 AM
Medicare: 2731098242
Date of Birth: 06/12/1991
Gender: F
Ordered by: ANNA DI MARCO (007563FK)

338-340 Crown St
Wollongong NSW 2500
Phone: 02 42525200
Fax: 02 42259168

Flag	Results	Reference Range
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"BMI"

- Requested: 09/01/2020
- Reported: 13/01/2020 12:52
- Test Category: Routine
- Normal Result: Y
- Requested Tests
BMI, FERRITIN, PROLACTIN, CA125, CORTISOL AM, THYROID ANTIBODIES
- RequestComplete: N
- Result: Clinical Notes : No clinical notes provided

Date	23/01/13	29/10/14	19/12/19	13/01/20		
Time	1045	1550	1105	0941		
Lab Id.	481046188	482240548	486047459	486085327	Units	Reference
Height	178	178	178	178	cm	
Weight	76	78	75	74	kg	
BMI	24.0	24.6	23.7	23.4	kg/m2	(18.5-24.9)

Comments on Collection 13/01/20 0941:

BMI
Normal Range (Ideal Weight).

Supervising Pathologist:LB

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: BMI

Tests Pending : FERRITIN, PROLACTIN, CA125, CORTISOL AM, THYROID ANTIBODIES

Sample Pending :

- Cumulative result

Results for Carlon, Emma

Illawarra Family Medical Centre

Data Import Date: 13/01/2020 9:41 AM
 Medicare: 2731098242
 Date of Birth: 06/12/1991
 Gender: F
 Ordered by: ANNA DI MARCO (007563FK)

338-340 Crown St
 Wollongong NSW 2500
 Phone: 02 42525200
 Fax: 02 42259168

Flag	Results	Reference Range
------	---------	-----------------

"SE-FERRITIN"

- Requested: 09/01/2020
- Reported: 13/01/2020 13:52
- Test Category: Routine
- Normal Result: Y
- Requested Tests
BMI, FERRITIN, PROLACTIN, CA125, CORTISOL AM, THYROID ANTIBODIES
- RequestComplete: Y
- Result: Clinical Notes : No clinical notes provided

IRON

Date	29/10/14	20/12/16	19/12/19	13/01/20		
Time	1550	1525	1105	0941		
Lab Id.	482240548	483770415	486047459	486085327	Units	Reference
Iron	6.9 L	12.5			umol/L	(8.8-27.0)
Transferrin	2.4	2.5			g/L	(2.0-3.6)
Trans Sat	14	22			%	(10-45)
Ferritin	86	77	68	51	ug/L	(30-160)

Ferritin N.B Ferritin range change 28/04/17

Supervising Pathologist:LB

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: BMI, FERRITIN, PROLACTIN, CA125, CORTISOL AM, THYROID ANTIBODIES
 Tests Pending :
 Sample Pending :

- Cumulative result

Flag	Results	Reference Range
------	---------	-----------------

"SE-PROLACTIN"

- Requested: 09/01/2020
- Reported: 13/01/2020 14:01
- Test Category: Routine
- Normal Result: Y
- Requested Tests
BMI, FERRITIN, PROLACTIN, CA125, CORTISOL AM, THYROID ANTIBODIES
- RequestComplete: Y
- Result: Clinical Notes : No clinical notes provided

Date	13/01/20		
Time	0941		
Lab Id.	486085327	Units	Reference
Prolactin	268	mIU/L	(90-630)

Prolactin Note: Range changes 12/04/17

Supervising Pathologist:LB

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: BMI, FERRITIN, PROLACTIN, CA125, CORTISOL AM, THYROID ANTIBODIES
 Tests Pending :
 Sample Pending :

Patient Name: CARLON, EMMA
Patient Address: 26 CRANESBILL WAY, FIGTREE 2525
D.O.B: 6/12/1991
Medicare No.: 2731098242
Lab. Reference: 484880421-R-B099
Addressee: DR G ALIE AJAM

Gender: F
IHI No.:
Provider: Southern IML Pathology
Referred by: Dr G.alie Ajam

Date Requested: 3/01/2019

Date Collected: 4/01/2019

Specimen:

Date Performed: 4/01/2019

Complete: Final

Subject(Test Name): _ZINC VIRTUAL.

Clinical Information:

Clinical Notes : ?Hypothyroidism, ?Adrenal insufficiency.

Zinc

Zinc-plasma 14.1 umol/L (9.0 - 19.0)

Comments on Lab Id: 484880421

Supervising Pathologist:GM

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
Lipids & HDL, LEAD BLOOD, ARSENIC BLOOD,
MERCURY BLOOD, ZINC PLASMA, SELENIUM PLASMA,
CADMIUM BLOOD, TF FT4 FT3, LH, FSH, OESTRADIOL,
PROGESTERONE, TESTOSTERONE, HOMOCYSTEINE, DHEAS,
SOMATOMEDIN C, FULL BLOOD COUNT, ESR

Tests Pending : REVERSE T3

Sample Pending :

Patient Name: CARLON, EMMA
Patient Address: 26 CRANESBILL WAY, FIGTREE 2525
D.O.B: 6/12/1991
Medicare No.: 2731098242
Lab. Reference: 484880421-R-B096
Addressee: DR G ALIE AJAM

Gender: F
IHI No.:
Provider: Southern IML Pathology
Referred by: Dr G.alie Ajam

Date Requested: 3/01/2019
Date Collected: 4/01/2019

Date Performed: 4/01/2019
Complete: Final

Specimen:
Subject(Test Name): _SELENIUM VIRTUAL
Clinical Information:

Clinical Notes : ?Hypothyroidism, ?Adrenal insufficiency.

Selenium

Selenium-plasma 1.3 umol/L (0.7 - 1.4)

Comments on Lab Id: 484880421

Supervising Pathologist:GM

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
Lipids & HDL, LEAD BLOOD, ARSENIC BLOOD,
MERCURY BLOOD, ZINC PLASMA, SELENIUM PLASMA,
CADMIUM BLOOD, TF FT4 FT3, LH, FSH, OESTRADIOL,
PROGESTERONE, TESTOSTERONE, HOMOCYSTEINE, DHEAS,
SOMATOMEDIN C, FULL BLOOD COUNT, ESR

Tests Pending : REVERSE T3

Sample Pending :

Patient Name: CARLON, EMMA
Patient Address: 26 CRANESBILL WAY, FIGTREE 2525
D.O.B: 6/12/1991
Medicare No.: 2731098242
Lab. Reference: 484880421-C-C141
Addressee: DR G ALIE AJAM

Gender: F
IHI No.:
Provider: Southern IML Pathology
Referred by: Dr G.alie Ajam

Date Requested: 3/01/2019
Date Collected: 4/01/2019

Date Performed: 4/01/2019
Complete: Final

Specimen:
Subject(Test Name): SE-ROUTINE BIO
Clinical Information:

Clinical Notes : ?Hypothyroidism, ?Adrenal insufficiency.

Routine biochemistry

Date	22/10/13	29/10/14	20/12/16	04/01/19		
Time F-Fast	1650	1550	1525	1100 F		
Lab Id.	481537553	482240548	483770415	484880421	Units	Reference
Random Glucose		4.5	5.1		mmol/L	(3.6-7.7)
Sodium	138	143	142	137	mmol/L	(135-145)
Potassium	4.0	4.1	4.4	4.3	mmol/L	(3.5-5.5)
Chloride	102	104	104	101	mmol/L	(95-110)
Bicarbonate	23	29	30	30	mmol/L	(20-32)
Urea	3.3	3.2	4.4	3.5	mmol/L	(2.5-6.5)
Creat.	62	59	71	60	umol/L	(45-85)
eGFR(CKD.EPI)	>90	>90	>90	>90	mL/min/1.73m2	(>89)
Calcium		2.44	2.47		mmol/L	(2.15-2.55)
Ca (corr)		2.40	2.41		mmol/L	(2.15-2.55)
Phosphate		1.06	1.37		mmol/L	(0.8-1.5)
Mg		0.82	0.99		mmol/L	(0.70-1.05)
Total Protein	67	67	69	67	g/L	(64-81)
Albumin	44	42	43	43	g/L	(33-46)
Globulin	23 L	25 L	26	24 L	g/L	(26-41)
ALP	75	72	73	71	U/L	(20-105)
GGT	9	10	10	10	U/L	(5-35)
ALT	13	10	10	10	U/L	(5-30)
AST	16	13	12	13	U/L	(10-35)
LDH	137	120	138	131	U/L	(120-250)
T Bilirubin	8	11	12	16 H	umol/L	(3-15)

Comments on Collection 04/01/19 1100 F:
 LFT

Renal Function
 Note: eGFR units are mL/min/1.73m2.

Electrolytes

Supervising Pathologist:GM

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
 Lipids & HDL, TF FT4 FT3, LH, FSH, OESTRADIOL,
 PROGESTERONE, TESTOSTERONE, HOMOCYSTEINE, DHEAS,
 FULL BLOOD COUNT, ESR

Tests Pending : LEAD BLOOD, ARSENIC BLOOD, MERCURY BLOOD, ZINC PLASMA,
 SELENIUM PLASMA, CADMIUM BLOOD, SOMATOMEDIN C

Sample Pending :

Patient Name: CARLON, EMMA
Patient Address: 26 CRANESBILL WAY, FIGTREE 2525
D.O.B: 6/12/1991
Medicare No.: 2731098242
Lab. Reference: 484880421-C-C205
Addressee: DR G ALIE AJAM
Gender: F
IHI No.:
Provider: Southern IML Pathology
Referred by: Dr G.alie Ajam
Date Requested: 3/01/2019
Date Collected: 4/01/2019
Specimen:
Subject(Test Name): SE-LIPIDS HDL
Clinical Information:

Clinical Notes : ?Hypothyroidism, ?Adrenal insufficiency.

Date	30/09/10	04/01/19		
Time F-Fast	0835 F	1100 F		
Lab Id.	13439946	484880421	Units	Reference
Status	Fasting	Fasting		
Cholesterol	4.64	4.17	mmol/L	(2.30-5.50)
Triglyceride	0.77	0.73	mmol/L	(0.00-2.00)
HDL	1.59	1.30	mmol/L	(1.00-3.00)
Chol/HDL Ratio	2.9	3.2	mmol/L	(0-4.5)
LDL	2.7	2.5	mmol/L	(0.0-3.50)
Non HDLC		2.87	mmol/L	(<4.00)

Comments on Collection 04/01/19 1100 F:

Lipids & HDL

NVDPA treatment target levels for high risk people (known coronary heart and other arterial disease, diabetes, chronic renal failure, Aboriginal and Torres Strait Islander peoples and familial hyperlipidaemic conditions) are:

Total Cholesterol <4.0 mmol/L
 HDL-Cholesterol >=1.00 mmol/L
 Fasting Triglycerides <2.0 mmol/L
 non HDL Cholesterol <2.5 mmol/L

The National Vascular Disease Prevention Alliance (NVDPA) guidelines recommend a target level of less than 2.5 mmol/L for non-HDLC. Compared to other lipid parameters, increased non-HDLC is the most significant marker for subclinical atherosclerosis.
 (ref: Cardiology Today 2013; 3(2): pp25-27).

Supervising Pathologist:GM

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES, Lipids & HDL, TF FT4 FT3, LH, FSH, OESTRADIOL, PROGESTERONE, TESTOSTERONE, HOMOCYSTEINE, DHEAS, FULL BLOOD COUNT, ESR

Tests Pending : LEAD BLOOD, ARSENIC BLOOD, MERCURY BLOOD, ZINC PLASMA, SELENIUM PLASMA, CADMIUM BLOOD, SOMATOMEDIN C

Sample Pending :

Gender: F
IHI No.:
Provider: Southern IML Pathology
Referred by: Dr G.alie Ajam

Date Performed: 4/01/2019
Complete: Final

```
Tests Pending      :
Sample Pending     :
```

Patient Name: CARLON, EMMA
Patient Address: 26 CRANESBILL WAY, FIGTREE 2525
D.O.B: 6/12/1991
Medicare No.: 2731098242
Lab. Reference: 484880421-C-E199
Addressee: DR G ALIE AJAM

Gender: F
IHI No.:
Provider: Southern IML Pathology
Referred by: Dr G.alie Ajam

Date Requested: 3/01/2019
Date Collected: 4/01/2019

Date Performed: 4/01/2019
Complete: Final

Specimen:
Subject(Test Name): SE--FERTILITY
Clinical Information:

Clinical Notes : ?Hypothyroidism, ?Adrenal insufficiency.

HORMONES

Date	20/11/09	04/01/19		
Time F-Fast	1430	1100 F		
Lab Id.	12904024	484880421	Units	Reference
FSH		4.2	U/L	
LH	4.7	7.9	U/L	
Oestradiol		350	pmol/L	
Progesterone	1.0	20.1	nmol/L	

Reference Limits	FSH U/L	LH U/L	Oestradiol pmol/L	Progesterone nmol/L
Follicular	2 - 10	3 - 15	50 - 440	0.3 - 3.6
Mid-Cycle	6 - 25	15 - 120	550 - 1285	1.5 - 5.5
Luteal	1 - 10	2 - 15	101 - 905	3.0 - 76.0
Menopausal	20 - 140	15 - 120	50 - 130	<3.2
Oral Con.	<5	<9	<374	<1.5

Comments on Collection 04/01/19 1100 F:
LH

FSH
Normal luteal (post-ovulatory) phase pattern.

Supervising Pathologist:GM

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
Lipids & HDL, TF FT4 FT3, LH, FSH, OESTRADIOL,
PROGESTERONE, TESTOSTERONE, HOMOCYSTEINE, DHEAS,
FULL BLOOD COUNT, ESR

Tests Pending : LEAD BLOOD, ARSENIC BLOOD, MERCURY BLOOD, ZINC PLASMA,
SELENIUM PLASMA, CADMIUM BLOOD, SOMATOMEDIN C

Sample Pending :

Patient Name: CARLON, EMMA
Patient Address: 26 CRANESBILL WAY, FIGTREE 2525
D.O.B: 6/12/1991
Medicare No.: 2731098242
Lab. Reference: 484880421-R-E518
Addressee: DR G ALIE AJAM

Gender: F
IHI No.:
Provider: Southern IML Pathology
Referred by: Dr G.alie Ajam

Date Requested: 3/01/2019
Date Collected: 4/01/2019

Date Performed: 4/01/2019
Complete: Final

Specimen:
Subject(Test Name): SE_IGF1 VIRTUAL
Clinical Information:

Clinical Notes : ?Hypothyroidism, ?Adrenal insufficiency.

IGF

IGF-1 (Liaison) H 46 nmol/L (13 - 45)

Comments on Lab Id: 484880421

IGF-1 testing performed on Diasorin Liaison XL.

Supervising Pathologist:GM

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
Lipids & HDL, LEAD BLOOD, ARSENIC BLOOD,
MERCURY BLOOD, CADMIUM BLOOD, TF FT4 FT3, LH, FSH,
OESTRADIOL, PROGESTERONE, TESTOSTERONE, HOMOCYSTEINE,
DHEAS, SOMATOMEDIN C, FULL BLOOD COUNT, ESR

Tests Pending : ZINC PLASMA, SELENIUM PLASMA, REVERSE T3

Sample Pending :

Patient Name: CARLON, EMMA
Patient Address: 26 CRANESBILL WAY, FIGTREE 2525
D.O.B: 6/12/1991
Medicare No.: 2731098242
Lab. Reference: 484880421-R-B088
Addressee: DR G ALIE AJAM

Gender: F
IHI No.:
Provider: Southern IML Pathology
Referred by: Dr G.alie Ajam

Date Requested: 3/01/2019
Date Collected: 4/01/2019

Date Performed: 4/01/2019
Complete: Final

Specimen:
Subject(Test Name): _CADMIUM VIRTUAL
Clinical Information:

Clinical Notes : ?Hypothyroidism, ?Adrenal insufficiency.

Cadmium

Cadmium-blood <4 nmol/L (<40)

Comments on Lab Id: 484880421

Supervising Pathologist:GM

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
Lipids & HDL, LEAD BLOOD, ARSENIC BLOOD,
CADMIUM BLOOD, TF FT4 FT3, LH, FSH, OESTRADIOL,
PROGESTERONE, TESTOSTERONE, HOMOCYSTEINE, DHEAS,
FULL BLOOD COUNT, ESR

Tests Pending : MERCURY BLOOD, ZINC PLASMA, SELENIUM PLASMA,
SOMATOMEDIN C, REVERSE T3

Sample Pending :

Patient Name: CARLON, EMMA
Patient Address: 26 CRANESBILL WAY, FIGTREE 2525
D.O.B: 6/12/1991
Medicare No.: 2731098242
Lab. Reference: 484880421-R-B094
Addressee: DR G ALIE AJAM
Gender: F
IHI No.:
Provider: Southern IML Pathology
Referred by: Dr G.alie Ajam
Date Requested: 3/01/2019
Date Collected: 4/01/2019
Specimen:
Subject(Test Name): _MERCURY VIRTUAL
Clinical Information:

Clinical Notes : ?Hypothyroidism, ?Adrenal insufficiency.

Mercury

Mercury-blood 8 nmol/L (<60)

Comments on Lab Id: 484880421

Supervising Pathologist:GM

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: LIVER FUNCTION TESTS,RENAL FUNCTION,ELECTROLYTES,
Lipids & HDL,LEAD BLOOD,ARSENIC BLOOD,
MERCURY BLOOD,CADMIUM BLOOD,TF FT4 FT3,LH,FSH,
OESTRADIOL,PROGESTERONE,TESTOSTERONE,HOMOCYSTEINE,
DHEAS,SOMATOMEDIN C,FULL BLOOD COUNT,ESR

Tests Pending : ZINC PLASMA,SELENIUM PLASMA,REVERSE T3

Sample Pending :

Patient Name: CARLON, EMMA
Patient Address: 26 CRANESBILL WAY, FIGTREE 2525
D.O.B: 6/12/1991
Medicare No.: 2731098242
Lab. Reference: 484880421-C-E310
Addressee: DR G ALIE AJAM

Gender: F
IHI No.:
Provider: Southern IML Pathology
Referred by: Dr G.alie Ajam

Date Requested: 3/01/2019
Date Collected: 4/01/2019

Date Performed: 4/01/2019
Complete: Final

Specimen:
Subject(Test Name): SE-HOMOCYSTEINE
Clinical Information:

Clinical Notes : ?Hypothyroidism, ?Adrenal insufficiency.

Homocysteine

Homocysteine 6.9 umol/L (5.0 - 12.0)

Supervising Pathologist:GM

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
Lipids & HDL, TF FT4 FT3, LH, FSH, OESTRADIOL,
PROGESTERONE, TESTOSTERONE, HOMOCYSTEINE, DHEAS,
FULL BLOOD COUNT, ESR

Tests Pending : LEAD BLOOD, ARSENIC BLOOD, MERCURY BLOOD, ZINC PLASMA,
SELENIUM PLASMA, CADMIUM BLOOD, SOMATOMEDIN C

Sample Pending :

Patient Name: CARLON, EMMA
Patient Address: 26 CRANESBILL WAY, FIGTREE 2525
D.O.B: 6/12/1991
Medicare No.: 2731098242
Lab. Reference: 484880421-C-E031
Addressee: DR G ALIE AJAM
Gender: F
IHI No.:
Provider: Southern IML Pathology
Referred by: Dr G.alie Ajam
Date Requested: 3/01/2019
Date Collected: 4/01/2019
Specimen:
Subject(Test Name): SE- THYROID FUNCTION
Clinical Information:

Date Performed: 4/01/2019
Complete: Final

Clinical Notes : ?Hypothyroidism, ?Adrenal insufficiency.

TFT

Date	22/10/13	29/10/14	20/12/16	04/01/19		
Time F-Fast	1650	1550	1525	1100 F		
Lab Id.	481537553	482240548	483770415	484880421	Units	Reference
TSH	0.69	0.98	0.56	0.60	mIU/L	(0.40-3.50)
Free T4			14.7	15.2	pmol/L	(11.0-24.0)
Free T3			4.7	5.1	pmol/L	(3.1-6.8)

TF3 High dose Biotin (5mg/day) may interfere with these tests.

Comments on Collection 04/01/19 1100 F:

TF3

Euthyroid levels.

Supervising Pathologist:GM

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
 Lipids & HDL, TF FT4 FT3, LH, FSH, OESTRADIOL,
 PROGESTERONE, TESTOSTERONE, HOMOCYSTEINE, DHEAS,
 FULL BLOOD COUNT, ESR

Tests Pending : LEAD BLOOD, ARSENIC BLOOD, MERCURY BLOOD, ZINC PLASMA,
 SELENIUM PLASMA, CADMIUM BLOOD, SOMATOMEDIN C

Sample Pending :

Patient Name: CARLON, EMMA
Patient Address: 26 CRANESBILL WAY, FIGTREE 2525
D.O.B: 6/12/1991
Medicare No.: 2731098242
Lab. Reference: 484880421-C-E528
Addressee: DR G ALIE AJAM

Gender: F
IHI No.:
Provider: Southern IML Pathology
Referred by: Dr G.alie Ajam

Date Requested: 3/01/2019
Date Collected: 4/01/2019
Specimen:
Subject(Test Name): ANDROGENS
Clinical Information:

Date Performed: 4/01/2019
Complete: Final

Clinical Notes : ?Hypothyroidism, ?Adrenal insufficiency.

Date	04/01/19		
Time F-Fast	1100 F		
Lab Id.	484880421	Units	Reference
Testosterone	0.5	nmol/L	(0.2-1.8)
DHEAS	3.6	umol/L	(2.0-11.0)

DHEAS High dose Biotin (5mg/day) may interfere with these tests.

Supervising Pathologist:GM

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
Lipids & HDL, TF FT4 FT3, LH, FSH, OESTRADIOL,
PROGESTERONE, TESTOSTERONE, HOMOCYSTEINE, DHEAS,
FULL BLOOD COUNT, ESR

Tests Pending : LEAD BLOOD, ARSENIC BLOOD, MERCURY BLOOD, ZINC PLASMA,
SELENIUM PLASMA, CADMIUM BLOOD, SOMATOMEDIN C

Sample Pending :

Patient Name: CARLON, EMMA
Patient Address: 26 CRANESBILL WAY, FIGTREE 2525
D.O.B: 6/12/1991
Medicare No.: 2731098242
Lab. Reference: 484880421-H-H902
Addressee: DR G ALIE AJAM

Gender: F
IHI No.:
Provider: Southern IML Pathology
Referred by: Dr G.alie Ajam

Date Requested: 3/01/2019
Date Collected: 4/01/2019

Date Performed: 4/01/2019
Complete: Final

Specimen:
Subject(Test Name): ED- HAEMATOLOGY
Clinical Information:

Clinical Notes : ?Hypothyroidism, ?Adrenal insufficiency.

Haematology

Date	18/11/13	29/10/14	20/12/16	04/01/19		
Time F-Fast	1220	1550	1525	1100 F		
Lab Id.	481669459	482240548	483770415	484880421	Units	Reference
Haemoglobin	140	143	147	140	g/L	(119-160)
RCC	4.6	4.7	4.9	4.5	10*12/L	(3.8-5.8)
Haematocrit	0.43	0.42	0.45	0.42		(0.35-0.48)
MCV	93	89	92	93	fL	(80-100)
MCH	30	30	30	31	pg	(27-32)
MCHC	326	340	326	330	g/L	(310-360)
RDW	13	12	13	13		(10-15)
WCC	9.0	9.2	8.3	10.2	10*9/L	(4.0-11.0)
Neutrophils	5.1	6.0	5.6	7.7 H	10*9/L	(2.0-7.5)
Lymphocytes	2.9	2.4	2.0	1.6	10*9/L	(1.0-4.0)
Monocytes	0.7	0.8	0.6	0.7	10*9/L	(0-1.0)
Eosinophils	0.2	<0.1	<0.1	0.1	10*9/L	(0-0.5)
Basophils	<0.1	<0.1	<0.1	<0.1	10*9/L	(0-0.3)
Platelets	364	378	378	360	10*9/L	(150-450)
ESR	3			1	mm/h	(1-15)

Comments on Collection 04/01/19 1100 F:

Please note: The ESR is a non-specific test and is not recommended for general screening. CRP is the most useful acute phase marker and is the preferred test for the diagnosis and monitoring of inflammation / infection.

Supervising Pathologist:CV/RR

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES, Lipids & HDL, TF FT4 FT3, LH, FSH, OESTRADIOL, PROGESTERONE, TESTOSTERONE, HOMOCYSTEINE, DHEAS, FULL BLOOD COUNT, ESR

Tests Pending : LEAD BLOOD, ARSENIC BLOOD, MERCURY BLOOD, ZINC PLASMA, SELENIUM PLASMA, CADMIUM BLOOD, SOMATOMEDIN C

Sample Pending :

Patient Name: CARLON, EMMA
Patient Address: 26 CRANESBILL WAY, FIGTREE 2525
D.O.B: 6/12/1991
Medicare No.: 2731098242
Lab. Reference: 484880421-R-B092
Addressee: DR G ALIE AJAM

Gender: F
IHI No.:
Provider: Southern IML Pathology
Referred by: Dr G.alie Ajam

Date Requested: 3/01/2019
Date Collected: 4/01/2019

Date Performed: 4/01/2019
Complete: Final

Specimen:
Subject(Test Name): _LEAD VIRTUAL
Clinical Information:

Clinical Notes : ?Hypothyroidism, ?Adrenal insufficiency.

Lead

Lead-blood	0.04	umol/L	(0 - 0.24)
Lead-blood	0.8	ug/dL	(0 - 5)

Comments on Lab Id: 484880421

Guidelines for lead level interpretation

1. No workplace exposure: If a blood test shows that a person's blood lead level is less than 5 ug/dL (0.24 umol/L), no particular action or treatment is needed. (NHMRC Information Paper: Evidence on the effects of Lead on Human Health (May 2015)).

2. Workplace exposure: Recommended decision levels and sampling frequencies are detailed in Lead (inorganic) - Hazardous Chemicals Requiring Health Monitoring www.safeworkaustralia.gov.au March 2013. In particular, immediate removal from exposure is necessary if levels are greater than or equal to:

50 ug/dL (2.41 umol/L): Males/Females not of reproductive capacity.
20 ug/dL (0.97 umol/L): Females of reproductive capacity.
15 ug/dL (0.72 umol/L): Females pregnant or breastfeeding.
Occupationally exposed females of reproductive age should have increased frequency of monitoring if blood lead levels are 10 ug/dL (0.48 umol/L) or higher and removal from a lead-risk job if levels are 20 ug/dL (0.97 umol/L) or higher.

NOTE: Change of reference limit according to the new NHMRC recommendation (May 2015) effective from 27/1/2016. The measuring method has not been changed.

Supervising Pathologist:GM

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
Lipids & HDL, LEAD BLOOD, ARSENIC BLOOD,
CADMIUM BLOOD, TF FT4 FT3, LH, FSH, OESTRADIOL,
PROGESTERONE, TESTOSTERONE, HOMOCYSTEINE, DHEAS,
FULL BLOOD COUNT, ESR

Tests Pending : MERCURY BLOOD, ZINC PLASMA, SELENIUM PLASMA,
SOMATOMEDIN C, REVERSE T3

Sample Pending :

Patient Name: CARLON, EMMA
Patient Address: 26 CRANESBILL WAY, FIGTREE 2525
D.O.B: 6/12/1991
Medicare No.: 2731098242
Lab. Reference: 484880421-R-B087
Addressee: DR G ALIE AJAM
Gender: F
IHI No.:
Provider: Southern IML Pathology
Referred by: Dr G.alie Ajam
Date Requested: 3/01/2019
Date Collected: 4/01/2019
Specimen:
Subject(Test Name): _ARSENIC VIRTUAL
Clinical Information:

Clinical Notes : ?Hypothyroidism, ?Adrenal insufficiency.

Arsenic

Arsenic-blood <0.10 umol/L (<0.70)

Comments on Lab Id: 484880421

Supervising Pathologist:GM

Accredited for compliance with NPAAC Standards and ISO 15189

Tests Completed: LIVER FUNCTION TESTS, RENAL FUNCTION, ELECTROLYTES,
Lipids & HDL, LEAD BLOOD, ARSENIC BLOOD,
CADMIUM BLOOD, TF FT4 FT3, LH, FSH, OESTRADIOL,
PROGESTERONE, TESTOSTERONE, HOMOCYSTEINE, DHEAS,
FULL BLOOD COUNT, ESR

Tests Pending : MERCURY BLOOD, ZINC PLASMA, SELENIUM PLASMA,
SOMATOMEDIN C, REVERSE T3

Sample Pending :

Patient **CARLON Emma** Ph 0417430835
Address 26 Cranesbill Way, Figtree 2525
Ref by Dr Anna Di Marco
Copies E Carlon

DOB **06/12/1991**
Age 28 Yrs Sex F
Ref 9081
Lab 486047459

Collected **19/12/2019 11:05 h**
Requested 19/12/2019
Printed 23/12/2019 10:13 hrs

Clin Notes + CHRONIC LETHARGY/HAIR LOSS

POS

EMMA CARLON
26 CRANESBILL WAY
FIGTREE NSW 2525



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Enquiries: 1300 65 4400

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Coeliac Serology

Deamidated Gliadin IgA	<1	U/mL	(<15)
Deamidated Gliadin IgG	<1	U/mL	(<15)
Tissue Transglutaminase IgA	<1	U/mL	(<15)
Tissue Transglutaminase IgG	<1	U/mL	(<15)

Comments:

Performed on Bioplex 2200. This detects selective IgA deficiency (<0.07 g/L), an additional comment will be attached if detected.

In persons eating wheat (most days, last six weeks), negative serology effectively excludes coeliac disease/dermatitis herpetiformis. One elevated marker may occur without disease whereas two or more elevated (at four times the cutoff level) markers strongly predict coeliac disease which can be confirmed by biopsy.

Serology becomes negative on gluten free diet (6-9 months for IgA-deam gliadin and IgA-tTG, 9-15 months for IgG-deam gliadin and IgG-tTG). Without compliance, coeliac markers rise. Coeliac tissue-typing excludes coeliac disease risk by excluding HLA-DQ2 or DQ8 in persons with discordant serology or discordant serology-biopsy findings.

PLEASE NOTE: In this person, the Bioplex assay was not able to detect IgA at a level of > 0.07 g/L and therefore IgA based serology will not be informative. Selective IgA deficiency should be confirmed by a specific assay of IgA levels.

Serum Immunoglobulins

Immunoglobulin G	7.70	g/L	(6.20-14.40)
Immunoglobulin A (Total IgA)	0.00 L	g/L	(1.24-4.16)
Immunoglobulin M (Total IgM)	0.80	g/L	(0.48-3.1)



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Notes



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Urgent

Report: **SE-Coeliac Serology,SE-Igs (serum),SE-RF**

Tests Completed: BMI, **LFT**, Alb, Renal Function, Electrolytes, Phos, Total Protein, Calcium, Fer, CPK, CRP (serum), Chlam Trach PCR Ur
Gono PCR Urine, TF FT4, TF FT4 FT3, T4, VitB12, Active B12, Thyroid Abs, FBC, ANA, CCP Abs, Coeliac Serology, ENA,
IgG (serum) DEBPO 500 RU/ml, IgA (serum) 0.00 g/L

Supervising Pathologist: LB

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Copies E Carlon

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Dr. Caitlin Keighley

Chlamydia trachomatis (NAT)

Specimen Urine
Chlamydia trachomatis (CT) Not Detected
Method - Roche cobas4800 CT/NG PCR Assay

Comments:

Chlamydia trachomatis DNA if present could not be detected.
A vaginal flocked swab is the optimal specimen type for detecting
genital tract CT/NG infections in women.

Neisseria gonorrhoeae (NAT)

Specimen Urine
Neisseria gonorrhoeae (NG) Not Detected
Method - Roche cobas4800 CT/NG PCR Assay

Comments:

Neisseria gonorrhoeae DNA if present could not be detected.
A vaginal flocked swab is the optimal specimen type for detecting
genital tract CT/NG infections in women.

Serum Thyroid Function Tests

TSH	0.92	mIU/L	(0.40-3.50)
Free T4	13.4	pmol/L	(11.0-24.0)
Free T3	5.1	pmol/L	(3.1-6.8)
Thyroid Peroxidase Ab	9	IU/mL	(0-35)
Thyroglobulin Ab	11	IU/mL	(0-115)

High dose biotin (>5mg/day) taken prior to blood collection may interfere with these tests.
If indicated please phone our General Pathologist on 0242247474 for any advice.

High dose Biotin (5mg/day) may interfere with these tests.

Comments:

TF3

Euthyroid levels.



OK



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Serum Haematinics

Vitamin B12	863	pmol/L	(>177)
Active B12	126	pmol/L	(>35)

High dose biotin (>5mg/day) taken prior to blood collection may interfere with these tests.
If indicated, please phone our General Pathologist on 42247474 for any advice.

High dose Biotin (5mg/day) may interfere with these tests.

Comments:

ACTIVE B12

Both active Vitamin B12 (Holo-transcobalamin) and total Vitamin B12 indicate that the patient has normal Vitamin B12 status.

Haematology

Haemoglobin	144	g/L	(119-160)
Red cell count	4.7	$10^{12}/L$	(3.8-5.8)
Haematocrit	0.44		(0.35-0.48)
MCV	93	fL	(80-100)
MCH	31	pg	(27-32)
MCHC	329	g/L	(310-360)
RDW	13		(10-15)
White cell count	8.1	$10^9/L$	(4.0-11.0)
Neutrophils	4.8	$10^9/L$	(2.0-7.5)
Lymphocytes	2.5	$10^9/L$	(1.0-4.0)
Monocytes	0.7	$10^9/L$	(0-1.0)
Eosinophils	0.1	$10^9/L$	(0-0.5)
Basophils	<0.1	$10^9/L$	(0-0.3)
Platelets	364	$10^9/L$	(150-450)

Antinuclear Antibodies

Antinuclear Ab (ANA) Not Detected

Comments:

(Screened at a titre of 80)

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Cyclic Citrullinated Peptide Antibodies

CCP Abs <8 U/mL (0-17)

High dose biotin (>5mg/day) taken prior to blood collection may interfere with these tests.
If indicated, please phone our General Pathologist on 42247474 for any advice.

High dose Biotin (5mg/day) may interfere with these tests.

Comments:

CCP Abs

Cyclic citrullinated peptide (CCP) antibodies occur in 70% of patients with rheumatoid arthritis. Significant elevations may precede detectable levels of rheumatoid factor and can identify individuals with earlier or more active disease. CCP Antibodies may also be useful for monitoring.

Antibodies to Extractable Nuclear Antigen (ENA)

SS-A 60	Negative
SS-B	Negative
Ro-52	Negative
Scl-70	Negative
Jo-1	Negative
Cenp-B	Negative
Sm	Negative
RNP	Negative
Ribo-P	Negative



OK



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ECG REPORT

HR 64 /min

Axis			Intervals			
P	0	Deg	RR933	ms	QR90	ms
QRS	13	Deg	P 104	ms	QT399	ms
T	3	Deg	PQ162	ms	QT386	ms

Height 178 cm
Weight 75 Kg

COMMENTS:

Sinus Rhythm Incomplete Right Bundle Branch Block

Authorised by: Dr. Ajita Kanthan

Urine Microbiology

Specimen type Urine

Chemistry

Protein	Nil	Blood	Nil
Glucose	Nil	Ketones	Nil
Urobilinogen	Nil	Bilirubin	Nil
pH	8.0		

Microscopy

Leucocytes	50 H	x10 ⁶ /L	(<10)
Erythrocytes	0	x10 ⁶ /L	(<10)
Squam Epi Cells	34	x10 ⁶ /L	

Hyaline casts Nil
Granular casts Nil

Culture No growth (<10⁶ cfu/L)

Comments:

Pyuria is noted, but the increased numbers of squamous epithelial cells is suggestive of contamination. Suggest repeat MSU.

FINAL REPORT - Updated on 20/12/2019 at 09:18

Report: **ECG DHM,U-Urine MCS,BMI**

Tests Completed: BMI, LFT, Alb, Renal Function, Electrolytes, Phos, Total Protein, Calcium, Fer, CPK, CRP (serum), Chlam Trach PCR Ur Gono PCR Urine, TF FT4, TF FT4 FT3, T4, VitB12, Active B12, Thyroid Abs, FBC, ANA, CCP Abs, Coeliac Serology, ENA,

Supervising Pathologist: LB, CK

☐ OK
☐ Phone Patient
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☐ File
☐ Action Taken
☐ Urgent



Emma Carlon
26 Cranesbill Way
FIGTREE NSW 2525

POS

PATIENT DETAILS

Name Emma Carlon

Lab ID 486047459

DOB 06/12/1991 Height 178 cm

Age 28y Weight 75 kg

Gender Female

Med

Copy to Emma Carlon

RESULTS

HR 64/min

Axis P 0°

QRS 13°

T 3°

INTERVALS

RR 933 ms

P 104 ms

PQ 162 ms

QRS 90 ms

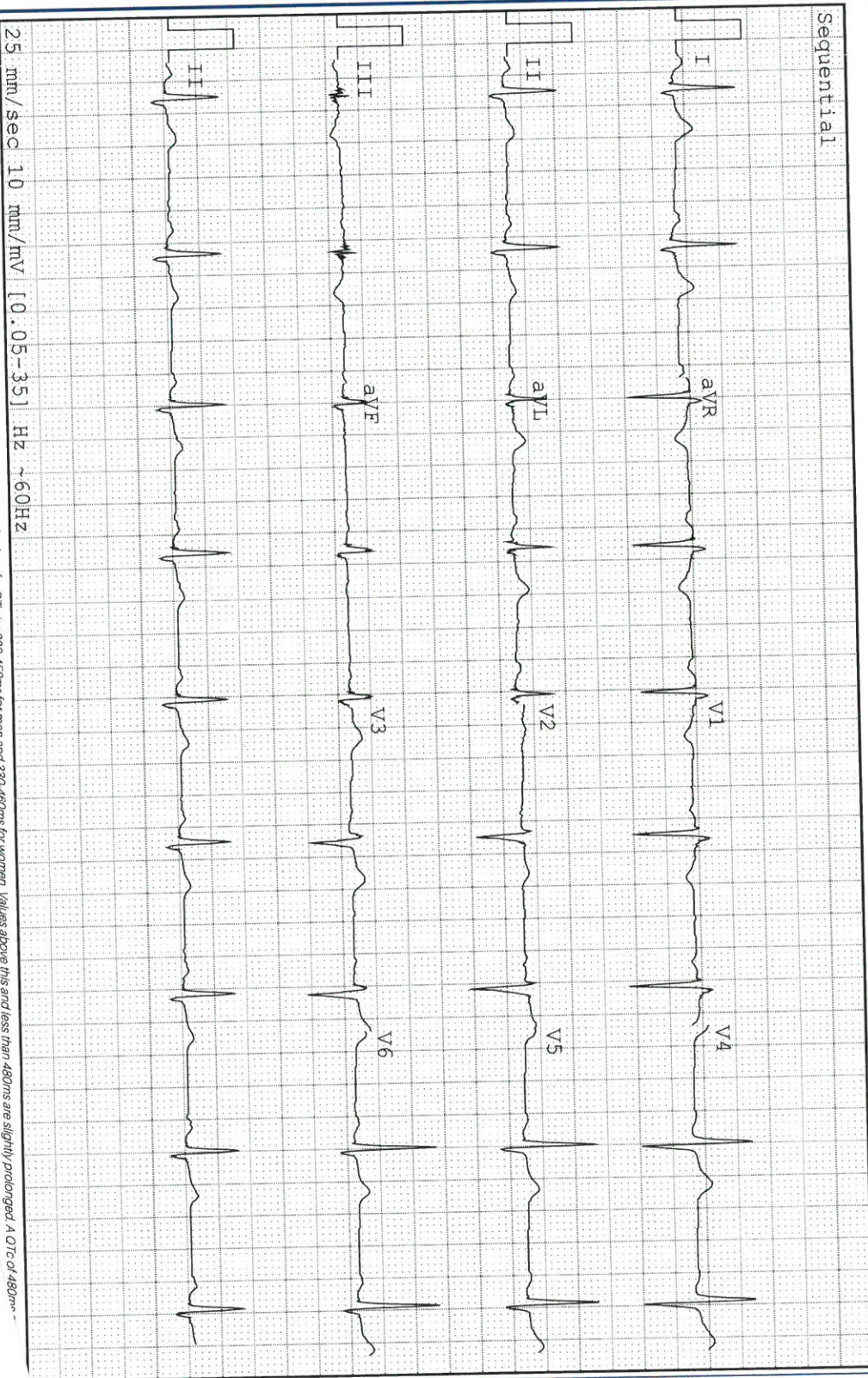
QT 386 ms

QTc 399 ms

INTERPRETATION

Sinus Rhythm Incomplete Right Bundle Branch Block

Sequential



Comment: The QT interval is computed and the QTc interval corrected for heart rate. Normal values for QTc are: 330-450ms for men and 330-460ms for women. Values above this and less than 480ms are slightly prolonged. A QTc of 480ms or over is abnormal. In those patients taking psychotropic agents a QTc of 500ms and over warrants review. The QT interval may be spuriously prolonged in the presence of widened QRS complexes. The QT interval cannot be measured in the presence of Atrial Fibrillation or an irregular rhythm.

Validated by

Dr. Ajita Kantan
19 Dec 2019 03:30 PM

IRG CO PTY LTD ABN 730 948 134 66
SUITE 1, 21-23 DENISON STREET, WOLLONGONG, NSW, 2500
Telephone : 0242546900 Facsimile : 0242271409

Wednesday, 8 January 2020

DR ANNA DI MARCO
338-340 CROWN STREET
WOLLONGONG DC NSW 2500

RE: **MS EMMA CARLON** (06/12/1991)
26 CRANESBILL WAY
FIGTREE NSW 2525
EPID :

Patient ID : IRG998701
Service Date : 08/01/2020
Dept :
UR No :
djh

ULTRASOUND PELVIS

Given clinical history - LIF pain.

Transabdominal and transvaginal scan was performed.

The uterus is normal in size and appearance with normal endometrial echo of 5.8mm.

The ovaries appeared normal with the right measuring 6.4 and left 7.9cc in volume. There are approximately 10-12 follicles in each ovary. The largest follicle on the right measured 6mm and the largest follicle on the left measured 15mm in size.

There is no free fluid in the pelvis. No adnexal masses or collections are seen.

COMMENT

A normal pelvic ultrasound.

CHEST X-RAY

The lung fields appear clear with no congestion, consolidation or atelectasis.

No pleural effusion is present. The heart size is normal. The mediastinum and hilar shadows appeared normal.

Thank you for referring this patient

Dr Raymond Blumgart

MS EMMA CARLON (DOB: 06/12/1991) 1

*Referrer support for online images and report access, please
Phone: 1300 669 727 M-F 8am-6pm or email: ClientServices@irg.net.au*