6402/32 WELLINGTON ST, BONDI BEACH. 2026

Birthdate: 11/09/1986 **Sex:** F **Medicare Number:** 2735275983

Your Reference: Lab Reference: 295861772-C-Iron Studies

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR ATIRANJAN JHAJJ

Name of Test: Iron Studies

Requested: 14/01/2019 Collected: 24/01/2019 Reported: 21/11/2019

15:32

Clinical Notes : thyroid antibodies abnormal

IRON

| Date Time F-Fast Lab ID | 1050 | 21/05/14 Unkn 293217965 | Unkn | 24/01/19 0735 F 295861772 | Units | Reference |
|-------------------------------|------|-------------------------------|------|---------------------------------|--------|------------|
| Iron | 13.8 | 9.2 | 15.3 | | umol/L | (5.0-30.0) |
| Transferrin | 2.7 | 3.0 | 3.0 | | g/L | (2.0-3.6) |
| TIBC (Calc) | 60 | 66 | 66 | | umol/L | (46-77) |
| Saturation | 23 | 14 | 23 | | % | (10-45) |
| Ferritin | 73 | 22 | 26 | 26 | ug/L | (15-200) |

Comments on Collection 24/01/19 0735 F:

Serum ferritin levels between $15-30~{\rm ug/L}$ may reflect depleted iron stores and iron therapy may be indicated.

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: Ferr(s),:TFT(s),FBC(e)

Tests Pending : Sample Pending :

HARPER, IMOGEN

6402/32 WELLINGTON ST, BONDI BEACH. 2026

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR ATIRANJAN JHAJJ

Name of Test: Thyroid Function

Requested: 14/01/2019 **Collected:** 24/01/2019 **Reported:** 21/11/2019

15:32

Clinical Notes: thyroid antibodies abnormal

TFT

| Date | 21/05/14 | 21/02/18 | 30/05/18 | 24/01/19 | | |
|--------------------|-----------|-----------|-----------|-----------|-------|-----------|
| Time F-Fast | Unkn | Unkn | 1426 | 0735 F | | |
| Lab ID | 293217965 | 244064203 | 281730077 | 295861772 | Units | Reference |
| TSH (0.40-3.50) | 0.83 | 1.08 | 1.39 | 1.96 | mIU/L | |

Free T4.. 13.0 12.1 **13.8** pmol/L (9.0-19.0) Free T3 4.2 **4.0** pmol/L (2.6-6.0)

Comments on Collection 24/01/19 0735 F: Euthyroid values.

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: Ferr(s),:TFT(s),FBC(e)

Tests Pending : Sample Pending :

HARPER, IMOGEN

6402/32 WELLINGTON ST, BONDI BEACH. 2026

Birthdate: 11/09/1986 Sex: F Medicare Number: 2735275983
Your Reference: Lab Reference: 295861772-H- HAEM VIRTUAL

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR ATIRANJAN JHAJJ

Name of Test: _Haematology

Requested: 14/01/2019 **Collected:** 24/01/2019 **Reported:** 21/11/2019

15:32

Clinical Notes : thyroid antibodies abnormal

HAEMATOLOGY

| Date Time F-Fast Lab ID | 21/05/14 Unkn 293217965 | 30/05/18 1426 281730077 | 24/01/19 0735 F 295861772 | Units | Reference |
|----------------------------------------------------------------------------|---------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Haemoglobin RCC Haematocrit | 141 4.6 0.42 | 143 4.8 0.43 | 138 4.4 0.40 | g/L x10*12/L | (119-160) (3.8-5.8) |
| (0.35-0.48) MCV MCH (27.0-32.0) | 92 30.8 | 91 30.0 | 91 31.2 | fL pg | (80-100) |
| MCHC RDW (10.0-15.0) | 334 13.0 | 329 12.1 | 342 12.0 | g/L | (310-360) |
| WCC Neutrophils Lymphocytes Monocytes Eosinophils Basophils NRBC Platelets | 8.9 5.98 2.23 0.43 0.21 0.06 | 7.1 3.74 1.99 H 1.04 0.25 0.11 <1.0 358 | 5.1 2.65 1.66 0.59 0.16 0.07 <1.0 308 | x10*9/L x10*9/L x10*9/L x10*9/L x10*9/L x10*9/L /100 WBC x10*9/L | (4.0-11.0) (2.0-7.5) (1.0-4.0) (0.0-1.0) (0.0-0.5) (0.0-0.3) (<1) (150-450) |

Comments on Collection 24/01/19 0735 F: Full blood count is within reference limits

Supervising Pathologist: FH

NATA Accreditation No 2178

Tests Completed: Ferr(s),:TFT(s),FBC(e)

Tests Pending :

Sample Pending :

HARPER, IMOGEN

6402/32 WELLINGTON ST, BONDI BEACH. 2026

Birthdate: 11/09/1986 Sex: F Medicare Number: 2735275983
Your Reference: Lab Reference: 294545301-E-Vitamin B12/Folate

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR LISA GREER

Name of Test: B12/Folate/RCF

Requested: 01/04/2019 **Collected:** 02/04/2019 **Reported:** 21/11/2019

15:32

Clinical Notes: PREV LOW B12 (VEGAN) HIGH CHOL

VIT B12 & FOLATE

 Date
 21/02/18
 02/04/19

 Time F-Fast
 Unkn
 0910 F

 Lab ID
 244064203
 294545301

DID 244064203 **294545301** Units Reference

Vitamin B12 343 **162** pmol/L (135-650) S.Fol (Abbott) **18.4** nmol/L (>7.0)

Comments on Collection 02/04/19 0910 F:

Vitamin B12 performed by Abbott Architect method.

Borderline B12 level (135 - 170 pmol/L). Recommend review after correction of any dietary deficiency. Persistently borderline levels may require further assessment. This may include intrinsic factor antibody (IF Ab) +/- gastric parietal cell antibody (GPC Ab).

From 8 March 2014, active B12 (holotranscobalamin) testing will be performed on all patients with low or equivocal (at or below 340 pmol/L) total B12 results. Both tests are eligible for a Medicare rebate under these circumstances.

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: B12(s), Fol(s), Glu(p), HDL & LIPIDS, Active B12(s)

Tests Pending : Sample Pending :

HARPER, IMOGEN

6402/32 WELLINGTON ST, BONDI BEACH. 2026

Birthdate: 11/09/1986 **Sex:** F **Medicare Number:** 2735275983

Your Reference: Lab Reference: 294545301-C-_Glucose

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR LISA GREER

Name of Test: _Glucose

Requested: 01/04/2019 **Collected:** 02/04/2019 **Reported:** 21/11/2019

15:32

Clinical Notes : PREV LOW B12 (VEGAN) HIGH CHOL

GLUCOSE

Date 21/05/14 02/04/19 Time F-Fast Unkn 0910 F

F Gluc Plasma 4.6 mmol/L (3.6-6.0)

Units

Reference

R Gluc Serum 4.5 mmol/L (3.6-7.8)

Comments on Collection 02/04/19 0910 F: Diabetes is unlikely if fasting glucose levels are less than 5.5 mmol/L but an OGTT could be indicated in the presence of risk factors such as metabolic syndrome, past gestational diabetes, polycystic ovary or family history of type 2 diabetes.

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: B12(s), Fol(s), Glu(p), HDL & LIPIDS, Active B12(s)

293217965 294545301

Tests Pending : Sample Pending :

Lab ID

HARPER, IMOGEN

6402/32 WELLINGTON ST, BONDI BEACH. 2026

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR LISA GREER

Name of Test: Lipids and HDL

Requested: 01/04/2019 **Collected:** 02/04/2019 **Reported:** 21/11/2019

15:32

Date

Clinical Notes: PREV LOW B12 (VEGAN) HIGH CHOL

LIPIDS AND HDL

| Unkn 293217965 | 0910 F 294545301 | Units | Reference |
|-------------------|-------------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Unknown | Fasting | | |
| H 6.6 | 4.3 | mmol/L | (3.9-5.5) |
| 1.0 | 0.7 | mmol/L | (0.5-1.7) |
| 1.9 | 1.5 | mmol/L | (0.9-2.1) |
| H 4.2 | 2.5 | mmol/L | (1.7-3.5) |
| | 293217965 Unknown H 6.6 1.0 1.9 | 293217965 294545301 Unknown Fasting H 6.6 4.3 1.0 0.7 1.9 1.5 | 293217965 294545301 Units Unknown Fasting H 6.6 4.3 mmol/L 1.0 0.7 mmol/L 1.9 1.5 mmol/L |

Comments on Collection 02/04/19 0910 F:

According to current guidelines (Position Statement 2005),

21/05/14 02/04/19

suggested targets are:

HDL Cholesterol >1.0 mmol/L

LDL Cholesterol <2.0 mmol/L (for patients at high risk) <2.5 mmol/L (for patients at lower risk)

Triglycerides <1.5 mmol/L

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: B12(s), Fol(s), Glu(p), HDL & LIPIDS, Active B12(s)

Tests Pending : Sample Pending :

6402/32 WELLINGTON ST, BONDI BEACH. 2026

Birthdate: 11/09/1986 **Sex:** F **Medicare Number:** 2735275983

Your Reference: Lab Reference: 294545301-C-HOLOTC

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR LISA GREER

Name of Test: Active B12(s)

Requested: 01/04/2019 **Collected:** 02/04/2019 **Reported:** 21/11/2019

15:32

Clinical Notes: PREV LOW B12 (VEGAN) HIGH CHOL

Active B12

Active B12 99 pmol/L (>35)

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: B12(s), Fol(s), Glu(p), HDL & LIPIDS, Active B12(s)

Tests Pending : Sample Pending :

HARPER, IMOGEN

85 CASTLE CIRCUIT, SEAFORTH. 2092

Birthdate: 11/09/1986 **Sex:** F **Medicare Number:** 2735275983 **Your Reference:** 842238649 **Lab Reference:** 842238649-E-Thyroid

Function

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR CHRISTOPHER CHAPPEL

Name of Test: Thyroid Function

Requested: 06/12/2019 **Collected:** 06/12/2019 **Reported:** 10/12/2019

07:33

Clinical Notes : NO HISTORY

TFT

30/05/18 24/01/19 06/12/19 **06/12/19** Time F-Fast 1426 0735 F 0850 F 0852 F Lab ID 281730077 295861772 842238600 **842238649** Units Reference TSH.. 1.39 1.96 1.88 mIU/L (0.40 - 3.50)Free T4.. 12.1 15.0 (9.0-19.0)13.8 pmol/L Free T3 4.2 4.0 4.7 pmol/L (2.6-6.0)

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: Vit D(s), FT3(s), FT4(s), Plasma Zn(e)

Tests Pending : Cu(s), Reverse T3(s)

Sample Pending :

HARPER, IMOGEN

85 CASTLE CIRCUIT, SEAFORTH. 2092

Birthdate: 11/09/1986 **Sex:** F **Medicare Number:** 2735275983 **Your Reference:** 842238649 **Lab Reference:** 842238649-C-VITD

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR CHRISTOPHER CHAPPEL

Name of Test: Vit D(s)

Requested: 06/12/2019 **Collected:** 06/12/2019 **Reported:** 09/12/2019

12:32

Clinical Notes : NO HISTORY

25-OH Vitamin D

Vitamin D 68 nmol/L (50 - 140)

Comment on Lab ID 842238649

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.

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: Vit D(s), Plasma Zn(e)

Tests Pending : Cu(s), FT3(s), FT4(s), Reverse T3(s)

Sample Pending :

HARPER, IMOGEN

85 CASTLE CIRCUIT, SEAFORTH. 2092

Birthdate: 11/09/1986 **Sex:** F **Medicare Number:** 2735275983 **Your Reference:** 842238649 **Lab Reference:** 842238649-R-_Zinc

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR CHRISTOPHER CHAPPEL

Name of Test: Zinc

Requested: 06/12/2019 **Collected:** 06/12/2019 **Reported:** 09/12/2019

12:12

Clinical Notes : NO HISTORY

Zinc

Comment on Lab ID 842238649

Reported by Sullivan and Nicolaides Pathology, a member of the Sonic Healthcare Group.

NATA Accreditation No 2178

Tests Completed: Plasma Zn(e)

Tests Pending : Vit D(s), Cu(s), FT3(s), FT4(s), Reverse T3(s)

Sample Pending:

HARPER, IMOGEN

85 CASTLE CIRCUIT, SEAFORTH. 2092

Birthdate: 11/09/1986 $\mathtt{Sex}\colon \ \mathbb{F}$ Medicare Number: 2735275983 Your Reference: 00000088 **Lab Reference:** 842238600-C-C731

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR CHRISTOPHER CHAPPEL

Name of Test: Metals, Blood

Requested: 26/11/2019 **Collected:** 06/12/2019 **Reported:** 09/12/2019

11:52

Clinical Notes : HX OF HASHIMOTOS

Heavy Metals

Blood Lead 0.19 umol/L <0.24 Blood Lead 4.0 ug/dL <5

Comment on Lab ID 842238600

The NHMRC currently recommends that if a person has a blood lead level greater than 0.24 umol/L (5 ug/dL), then the source of exposure should be investigated and reduced, particularly if the person is a child or pregnant woman.

For occupational exposure, recommended decision levels and testing frequencies are specified in:

Lead (inorganic) - Hazardous Chemicals Requiring Health Monitoring at www.safeworkaustralia.gov.au (accessed 22nd February 2016).

Immediate removal from exposure is necessary if blood lead levels are greater than or equal to:

2.42 umol/L (50 ug/dL) for females not of reproductive capacity and males

0.97 umol/L (20 ug/dL) for females of reproductive capacity 0.72 umol/L (15 ug/dL) for females who are pregnant or breast feeding

Return to lead risk work must not occur until blood lead levels are less t.han:

1.93 umol/L (40 ug/dL) for females not of reproductive capacity and males 0.48 umol/L (10 ug/dL) for females of reproductive capacity and the worker has been assessed as medically fit to return to lead risk work by the medical practitioner supervising health monitoring

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: LH(s),FSH(s),Oest(s),Prog(s),DHEAS(s),Commenting, Fol(s),LFT(s),Cr(s),UCreat(s),E(s),Phos(s),Iron(s),

HDL & LIPIDS, CRP(s), Pb(e), TSH(s), Testosterone(s),

Insulin(s), Active B12(s), HbA1c Diag(e),

.SHBG/FAI(s), Thyroid Abs(s), FBC(e), Gliadin/TTG(s), IgA(s)

Tests Pending : Sample Pending :

HARPER, IMOGEN

85 CASTLE CIRCUIT, SEAFORTH. 2092

Birthdate: 11/09/1986 **Sex:** F **Medicare Number:** 2735275983 **Your Reference:** 00000088 **Lab Reference:** 842238600-C- GHB

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR CHRISTOPHER CHAPPEL

Name of Test: _HbA1c_

Requested: 26/11/2019 **Collected:** 06/12/2019 **Reported:** 09/12/2019

07:32

Clinical Notes : HX OF HASHIMOTOS

Haemoglobin Alc

HbAlc (IFCC) 28 mmol/mol (20 - 38) HbAlc 4.7 % (4.0 - 5.6)

Comment on Lab ID 842238600

HbAlc 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 HbAlc measurement. Conditions which may affect the measured HbAlc 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 HbAlc level or significant discrepancy between HbAlc and glucose results.

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

HDL & LIPIDS,CRP(s),TSH(s),Testosterone(s),
Insulin(s), Active B12(s), HbAlc Diag(e),

.SHBG/FAI(s), Thyroid Abs(s), FBC(e), Gliadin/TTG(s), IgA(s)

Tests Pending : Pb(e)

Sample Pending:

HARPER, IMOGEN

85 CASTLE CIRCUIT, SEAFORTH. 2092

Birthdate: 11/09/1986 **Sex:** F **Medicare Number:** 2735275983 **Your Reference:** 00000088 **Lab Reference:** 842238600-C-HOLOTC

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR CHRISTOPHER CHAPPEL

Name of Test: Active B12(s)

Requested: 26/11/2019 **Collected:** 06/12/2019 **Reported:** 09/12/2019

07:32

Clinical Notes : HX OF HASHIMOTOS

Date 02/04/19 06/12/19 Time F-Fast 0910 F 0850 F

Lab ID 294545301 **842238600** Units Reference

Active B12 99 **102** pmol/L (>35)

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: LH(s), FSH(s), Oest(s), Prog(s), DHEAS(s), Commenting,

Fol(s), LFT(s), Cr(s), UCreat(s), E(s), Phos(s), Iron(s),

HDL & LIPIDS,CRP(s),TSH(s),Testosterone(s),
Insulin(s), Active B12(s), HbA1c Diag(e),

.SHBG/FAI(s), Thyroid Abs(s), FBC(e), Gliadin/TTG(s), IgA(s)

Tests Pending : Pb(e)

Sample Pending :

HARPER, IMOGEN

85 CASTLE CIRCUIT, SEAFORTH. 2092

Birthdate: 11/09/1986 **Sex:** F **Medicare Number:** 2735275983

Your Reference: 00000088 Lab Reference: 842238600-E-Testo, SHBG, FAI

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR CHRISTOPHER CHAPPEL

Name of Test: Testo, SHBG, FAI

Requested: 26/11/2019 **Collected:** 06/12/2019 **Reported:** 09/12/2019

07:32

Clinical Notes : HX OF HASHIMOTOS

Androgens

Testosterone 1.7 nmol/L (0.2 - 1.8) SHBG H 149 nmol/L (30 - 110) Free Androgen Index 1.1 % (0.3 - 4.0)

Comment on Lab ID 842238600

Supervising Pathologist: GC, NT $\,$

NATA Accreditation No 2178

Tests Completed: LH(s), FSH(s), Oest(s), Prog(s), DHEAS(s), Commenting,

Fol(s), LFT(s), Cr(s), UCreat(s), E(s), Phos(s), Iron(s),

HDL & LIPIDS,CRP(s),TSH(s),Testosterone(s),
Insulin(s), Active B12(s), HbA1c Diag(e),

.SHBG/FAI(s), Thyroid Abs(s), FBC(e), Gliadin/TTG(s), IgA(s)

Tests Pending : Pb(e)

Sample Pending :

85 CASTLE CIRCUIT, SEAFORTH. 2092

Birthdate: 11/09/1986 **Sex:** F Medicare Number: 2735275983

Your Reference: 00000088 Lab Reference:

842238600-I-_Immunoglobulins
Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR CHRISTOPHER CHAPPEL

Name of Test: Immunoglobulins

Requested: 26/11/2019 **Collected:** 06/12/2019 **Reported:** 09/12/2019

07:32

Clinical Notes : HX OF HASHIMOTOS

Immunoglobulins

2.05 g/L (0.60 - 3.96)Immunoglobulin A

Comment on Lab ID 842238600 Supervising Pathologist: KB

NATA Accreditation No 2178

Tests Completed: LH(s), FSH(s), Oest(s), Prog(s), DHEAS(s), Commenting, Fol(s), LFT(s), Cr(s), UCreat(s), E(s), Phos(s), Iron(s),

HDL & LIPIDS, CRP(s), TSH(s), Testosterone(s), Insulin(s), Active B12(s), HbA1c Diag(e),

.SHBG/FAI(s), Thyroid Abs(s), FBC(e), Gliadin/TTG(s), IgA(s)

Tests Pending : Pb(e)

Sample Pending:

HARPER, IMOGEN

85 CASTLE CIRCUIT, SEAFORTH. 2092

Birthdate: 11/09/1986 **Sex:** F Medicare Number: 2735275983 Your Reference: 00000088 Lab Reference: 842238600-I-COEL

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR CHRISTOPHER CHAPPEL

Gliadin/TTG(s) Name of Test:

Requested: 26/11/2019 **Collected:** 06/12/2019 **Reported:** 09/12/2019

07:32

Clinical Notes : HX OF HASHIMOTOS

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 | IqG | <1 | U/mL | (| <15 |) |

Comment on Lab ID 842238600

Performed on Bioplex 2200. This detects selective IqA 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.

Supervising Pathologist: KB

NATA Accreditation No 2178

Tests Completed: LH(s), FSH(s), Oest(s), Prog(s), DHEAS(s), Commenting, Fol(s), LFT(s), Cr(s), UCreat(s), E(s), Phos(s), Iron(s),

HDL & LIPIDS,CRP(s),TSH(s),Testosterone(s),
Insulin(s), Active B12(s), HbA1c Diag(e),

.SHBG/FAI(s), Thyroid Abs(s), FBC(e), Gliadin/TTG(s), IgA(s)

Tests Pending : Pb(e)

Sample Pending:

HARPER, IMOGEN

85 CASTLE CIRCUIT, SEAFORTH. 2092

Birthdate: 11/09/1986 **Sex:** F **Medicare Number:** 2735275983

Your Reference: 00000088 Lab Reference: 842238600-C-Thyroid Abs

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR CHRISTOPHER CHAPPEL

Name of Test: Thyroid Abs

Requested: 26/11/2019 **Collected:** 06/12/2019 **Reported:** 09/12/2019

07:32

Clinical Notes : HX OF HASHIMOTOS

THYROID ANTIBODIES

 Date
 21/02/18
 06/12/19

 Time F-Fast
 Unkn
 0850 F

 Lab ID
 244064203
 842238600

Anti-Tg (Abbott) H 42.2 H 13.5 IU/mL (<4.1)

Anti-Tg (Abbott) H 42.2 H 13.5 IU/mL (<4.1)
Anti-TPO (Abbott) 0.6 2.2 IU/mL (<5.6)

Comments on Collection 06/12/19 0850 F:

Elevated thyroglobulin antibodies can occur in Hashimoto's disease, other thyroid disorders as well as in clinically normal persons.

From 06/09/17, Thyroid antibodies will be measured by the Abbott Architect (not Immulite) method and reported with new reference intervals.

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: LH(s), FSH(s), Oest(s), Prog(s), DHEAS(s), Commenting,

Fol(s), LFT(s), Cr(s), UCreat(s), E(s), Phos(s), Iron(s),

HDL & LIPIDS,CRP(s),TSH(s),Testosterone(s),
Insulin(s), Active B12(s), HbAlc Diag(e),

.SHBG/FAI(s), Thyroid Abs(s), FBC(e), Gliadin/TTG(s), IgA(s)

Units

Reference

Tests Pending : Pb(e)

Sample Pending:

85 CASTLE CIRCUIT, SEAFORTH. 2092

Birthdate: 11/09/1986 **Sex:** F **Medicare Number:** 2735275983 **Your Reference:** 00000088 **Lab Reference:** 842238600-E-Hormones

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR CHRISTOPHER CHAPPEL

Name of Test: Hormones

Requested: 26/11/2019 **Collected:** 06/12/2019 **Reported:** 06/12/2019

13:32

Clinical Notes : HX OF HASHIMOTOS

Reproductive Hormones

(Abbott Method)

| FSH | 4.4 | IU/L |
|--------------|------|--------|
| LH | 4.0 | IU/L |
| Oestradiol | 759 | pmol/L |
| Progesterone | 37.5 | nmol/L |

DHEAS 8.6 umol/L (2.4 - 13)

Comment on Lab ID 842238600

| FSH | Basa⊥ | 1.5 - 10 |
|-----|-----------------|----------|
| | Mid cycle peak | 7.0 - 22 |
| | Post-menopausal | 25 - 130 |
| | | |

| LH | Basal | 2.0 - 12 |
|----|-----------------|----------|
| | Mid cycle peak | 8.0 - 90 |
| | Post-menopausal | 5.0 - 62 |

| Oestradiol | Follicular phase | <320 |
|------------|--------------------|------------|
| | Preovulatory phase | 450 - 2000 |
| | Luteal phase | 125 - 1300 |
| | Post-menopausal | <170 |

| Progesterone | Follicular phase | 0.3 - 4.0 |
|--------------|------------------|-------------|
| | Luteal phase | 5.5 - 90.0 |
| | Midluteal | 8.5 - 110.0 |

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: LH(s), FSH(s), Oest(s), Prog(s), DHEAS(s), Commenting,

Fol(s), LFT(s), Cr(s), UCreat(s), E(s), Phos(s), Iron(s),

HDL & LIPIDS, CRP(s), TSH(s), Insulin(s), FBC(e)

Sample Pending :

85 CASTLE CIRCUIT, SEAFORTH. 2092

 Birthdate:
 11/09/1986
 Sex:
 F
 Medicare
 Number:
 2735275983

 Your
 Reference:
 00000088
 Lab
 Reference:
 842238600-C-INS

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR CHRISTOPHER CHAPPEL

Name of Test: Insulin(s)

Requested: 26/11/2019 **Collected:** 06/12/2019 **Reported:** 06/12/2019

13:12

Clinical Notes : HX OF HASHIMOTOS

Insulin

(Abbott Architect Method)

Insulin, Fasting 9 mU/L (0-20)

Comment on Lab ID 842238600

In a non-pregnant patient, serum insulin(s) >80 mU/L following a 75g oral glucose load and/or fasting insulin(s) >14 mU/L (in the absence of insulinoma) are consistent with insulin resistance. Post-load insulin(s) of 60 - 80 mU/L and/or fasting insulin(s) of 10 - 14 mU/L are suggestive of insulin resistance and follow-up may be indicated in the presence of risk factors such as obesity or a positive family history.

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: LH(s), FSH(s), DHEAS(s), Fol(s), LFT(s), Cr(s), UCreat(s),

E(s), Phos(s), Iron(s), HDL & LIPIDS, CRP(s), TSH(s),

Insulin(s),FBC(e)

Tests Pending : Oest(s), Prog(s), Commenting, Pb(e), Testosterone(s),

Active B12(s), HbA1c Diag(e), SHBG/FAI(s),

Thyroid Abs(s), Gliadin/TTG(s), IgA(s)

Sample Pending :

HARPER, IMOGEN

85 CASTLE CIRCUIT, SEAFORTH. 2092

Birthdate: 11/09/1986 **Sex:** F **Medicare Number:** 2735275983 **Your Reference:** 00000088 **Lab Reference:** 842238600-E-Thyroid

Function

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR CHRISTOPHER CHAPPEL

Name of Test: Thyroid Function

Requested: 26/11/2019 **Collected:** 06/12/2019 **Reported:** 06/12/2019

13:12

Clinical Notes : HX OF HASHIMOTOS

TFT

 Date
 21/02/18
 30/05/18
 24/01/19
 06/12/19

 Time F-Fast
 Unkn
 1426
 0735 F
 0850 F

Lab ID 244064203 281730077 295861772 **842238600** Units Reference

| TSH (0.40-3.50) | 1.08 | 1.39 | 1.96 | 1.88 | mIU/L | |
|------------------------|------|------|------|------|--------|------------|
| (0.40-3.30) Free T4 | 13.0 | 12.1 | 13.8 | | pmol/L | (9.0-19.0) |
| Free T3 | | 4.2 | 4.0 | | pmol/L | (2.6-6.0) |

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: LH(s), FSH(s), DHEAS(s), Fol(s), LFT(s), Cr(s), UCreat(s),

E(s), Phos(s), Iron(s), HDL & LIPIDS, CRP(s), TSH(s),

Insulin(s),FBC(e)

Tests Pending : Oest(s), Prog(s), Commenting, Pb(e), Testosterone(s),

Active B12(s), HbA1c Diag(e), .SHBG/FAI(s),

Thyroid Abs(s), Gliadin/TTG(s), IgA(s)

Sample Pending:

HARPER, IMOGEN

85 CASTLE CIRCUIT, SEAFORTH. 2092

Birthdate: 11/09/1986 **Sex:** F **Medicare Number:** 2735275983

Your Reference: 00000088 Lab Reference: 842238600-C-Iron Studies

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR CHRISTOPHER CHAPPEL

Name of Test: Iron Studies

Requested: 26/11/2019 **Collected:** 06/12/2019 **Reported:** 06/12/2019

13:12

Clinical Notes : HX OF HASHIMOTOS

IRON

| Date Time F-Fast Lab ID | Unkn | 21/02/18 Unkn 244064203 | 24/01/19 0735 F 295861772 | 06/12/19 0850 F 842238600 | Units | Reference |
|-------------------------------|------|-------------------------------|---------------------------------|---------------------------------|--------|------------|
| Iron | 9.2 | 15.3 | 26 | 29.4 | umol/L | (5.0-30.0) |
| Transferrin | 3.0 | 3.0 | | 2.4 | g/L | (2.0-3.6) |
| TIBC (Calc) | 66 | 66 | | 54 | umol/L | (46-77) |
| Saturation | 14 | 23 | | H 54 | % | (10-45) |
| Ferritin | 22 | 26 | | 39 | ug/L | (15-200) |

Comments on Collection 06/12/19 0850 F:

? History of iron therapy. Recommend follow up iron studies.

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

 ${\tt Tests\ Completed:\ LH(s),FSH(s),DHEAS(s),Fol(s),LFT(s),Cr(s),UCreat(s),LFT(s),Cr(s),UCreat(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),L$

E(s), Phos(s), Iron(s), HDL & LIPIDS, CRP(s), TSH(s),

Insulin(s),FBC(e)

Tests Pending : Oest(s), Prog(s), Commenting, Pb(e), Testosterone(s),

Active B12(s), HbA1c Diag(e), .SHBG/FAI(s),

Thyroid Abs(s),Gliadin/TTG(s),IgA(s)

Sample Pending :

HARPER, IMOGEN

85 CASTLE CIRCUIT, SEAFORTH. 2092

Birthdate: 11/09/1986 **Sex:** F **Medicare Number:** 2735275983

Your Reference: 00000088 Lab Reference: 842238600-E-Vitamin

B12/Folate

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR CHRISTOPHER CHAPPEL

Name of Test: B12/Folate/RCF

Requested: 26/11/2019 **Collected:** 06/12/2019 **Reported:** 06/12/2019

13:12

Clinical Notes : HX OF HASHIMOTOS

VIT B12 & FOLATE

 Date
 21/02/18
 02/04/19
 06/12/19

 Time F-Fast
 Unkn
 0910 F
 0850 F

Lab ID 244064203 294545301 **842238600** Units Reference

Vitamin B12 343 162 pmol/L (135-650) S.Fol (Abbott) 18.4 **25.4** nmol/L (>7.0)

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

 ${\tt Tests\ Completed:\ LH(s),FSH(s),DHEAS(s),Fol(s),LFT(s),Cr(s),UCreat(s),LFT(s),LFT(s),Cr(s),UCreat(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),LFT(s),L$

E(s), Phos(s), Iron(s), HDL & LIPIDS, CRP(s), TSH(s),

Insulin(s),FBC(e)

Tests Pending : Oest(s), Prog(s), Commenting, Pb(e), Testosterone(s),

Active B12(s), HbA1c Diag(e), .SHBG/FAI(s),

Thyroid Abs(s), Gliadin/TTG(s), IgA(s)

Sample Pending :

HARPER, IMOGEN

85 CASTLE CIRCUIT, SEAFORTH. 2092

Birthdate: 11/09/1986 **Sex:** F **Medicare Number:** 2735275983 **Your Reference:** 00000088 **Lab Reference:** 842238600-C-CRP

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR CHRISTOPHER CHAPPEL

Name of Test: CRP(s)

Requested: 26/11/2019 **Collected:** 06/12/2019 **Reported:** 06/12/2019

11:12

Clinical Notes : HX OF HASHIMOTOS

C Reactive Protein (High Sens)

CRP $0.4 \, \text{mg/L} \, (0.0 - 5.0)$

Comment on Lab ID 842238600

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: LFT(s), Cr(s), UCreat(s), E(s), Phos(s), HDL & LIPIDS,

CRP(s), FBC(e)

Tests Pending : LH(s), FSH(s), Oest(s), Prog(s), DHEAS(s), Commenting,

Fol(s), Iron(s), Pb(e), TSH(s), Testosterone(s), Insulin(s), Active B12(s), HbA1c Diag(e),

.SHBG/FAI(s), Thyroid Abs(s), Gliadin/TTG(s), IgA(s)

Sample Pending:

HARPER, IMOGEN

85 CASTLE CIRCUIT, SEAFORTH. 2092

Birthdate: 11/09/1986 **Sex:** F **Medicare Number:** 2735275983

Your Reference: 00000088 Lab Reference: 842238600-C-Lipids and HDL

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR CHRISTOPHER CHAPPEL

Name of Test: Lipids and HDL

Requested: 26/11/2019 **Collected:** 06/12/2019 **Reported:** 06/12/2019

11:12

Clinical Notes : HX OF HASHIMOTOS

LIPIDS AND HDL

| Date | 21/05/14 | 02/04/19 | 06/12/19 | | |
|---------------|-----------|-----------|-----------|--------|-------------|
| Time F-Fast | Unkn | 0910 F | 0850 F | | |
| Lab ID | 293217965 | 294545301 | 842238600 | Units | Reference |
| Status | Unknown | Fasting | Fasting | | |
| Cholesterol | н 6.6 | 4.3 | 4.4 | mmol/L | (3.9 - 5.5) |
| Triglycerides | 1.0 | 0.7 | 1.0 | mmol/L | (0.5-1.7) |
| HDL Chol. | 1.9 | 1.5 | 1.3 | mmol/L | (0.9-2.1) |
| LDL Chol. | H 4.2 | 2.5 | 2.6 | mmol/L | (1.7-3.5) |

Comments on Collection 06/12/19 0850 F:

According to current guidelines (Position Statement 2005),

suggested targets are:

HDL Cholesterol >1.0 mmol/L

LDL Cholesterol <2.0 mmol/L (for patients at high risk) <2.5 mmol/L (for patients at lower risk)

Triglycerides <1.5 mmol/L

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: LFT(s), Cr(s), UCreat(s), E(s), Phos(s), HDL & LIPIDS,

CRP(s), FBC(e)

Tests Pending : LH(s),FSH(s),Oest(s),Prog(s),DHEAS(s),Commenting,

Fol(s),Iron(s),Pb(e),TSH(s),Testosterone(s),
Insulin(s), Active B12(s), HbAlc Diag(e),

.SHBG/FAI(s), Thyroid Abs(s), Gliadin/TTG(s), IgA(s)

Sample Pending :

HARPER, IMOGEN

85 CASTLE CIRCUIT, SEAFORTH. 2092

Birthdate: 11/09/1986 **Sex:** F **Medicare Number:** 2735275983

Your Reference: 00000088 Lab Reference: 842238600-C-Biochemistry

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR CHRISTOPHER CHAPPEL

Name of Test: Biochemistry

Requested: 26/11/2019 Collected: 06/12/2019 Reported: 06/12/2019

11:12

Clinical Notes : HX OF HASHIMOTOS

BIOCHEMISTRY

| Date | 21/05/14 | 02/04/19 | 06/12/19 | | |
|---------------|-----------|-----------|-----------|-----------|-----------|
| Time F-Fast | Unkn | 0910 F | 0850 F | | |
| Lab ID | 293217965 | 294545301 | 842238600 | Units | Reference |
| | | | | | |
| Status | Unknown | Fasting | Fasting | | |
| Sodium | 139 | | 136 | mmol/L | (135-145) |
| Potassium | 5.0 | | 4.5 | mmol/L | (3.5-5.5) |
| Chloride | 105 | | 101 | mmol/L | (95-110) |
| Bicarbonate | 22 | | 23 | mmol/L | (20-32) |
| Urea | 5.9 | | 4.1 | mmol/L | (2.5-7.0) |
| Creatinine | 65 | | 70 | umol/L | (45 - 85) |
| eGFR | >90 | | >90 | mL/min/1. | 73m2(>59) |
| Phosphate. | | | 1.07 | mmol/L | (0.8-1.5) |
| Bili.Total | 4 | | 15 | umol/L | (3-15) |
| ALP | 90 | | 55 | U/L | (20-105) |
| GGT | 24 | | 14 | U/L | (5-35) |
| LD | 223 | | 150 | U/L | (120-250) |
| AST | 21 | | 20 | U/L | (10-35) |
| ALT | 16 | | 16 | U/L | (5-30) |
| Total Protein | 79 | | 72 | g/L | (68-85) |
| Albumin | 46 | | 44 | g/L | (37-48) |
| Globulin | 33 | | 28 | g/L | (23-39) |
| Cholesterol | н 6.6 | 4.3 | 4.4 | mmol/L | (3.9-5.5) |
| Triglycerides | 1.0 | 0.7 | 1.0 | mmol/L | (0.5-1.7) |

Comments on Collection 06/12/19 0850 F: eGFR (mL/min/1.73m2) calculated by CKD-EPI formula - see www.kidney.org.au

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: LFT(s), Cr(s), UCreat(s), E(s), Phos(s), HDL & LIPIDS,

CRP(s), FBC(e)

Tests Pending : LH(s), FSH(s), Oest(s), Prog(s), DHEAS(s), Commenting,

Fol(s),Iron(s),Pb(e),TSH(s),Testosterone(s),
Insulin(s), Active B12(s), HbA1c Diag(e),

.SHBG/FAI(s), Thyroid Abs(s), Gliadin/TTG(s), IgA(s)

Sample Pending:

HARPER, IMOGEN

85 CASTLE CIRCUIT, SEAFORTH. 2092

Birthdate: 11/09/1986 **Sex:** F **Medicare Number:** 2735275983

Your Reference: 00000088 Lab Reference: 842238600-H-_HAEM VIRTUAL

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR CHRISTOPHER CHAPPEL

Name of Test: Haematology

Requested: 26/11/2019 **Collected:** 06/12/2019 **Reported:** 06/12/2019

10:52

Clinical Notes : HX OF HASHIMOTOS

HAEMATOLOGY

| Date Time F-Fast Lab ID | 21/05/14 Unkn 293217965 | 30/05/18 1426 281730077 | 24/01/19 0735 F 295861772 | 06/12/19 0850 F 842238600 | Units | Reference |
|------------------------------------------------------------------|---------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Haemoglobin RCC Haematocrit (0.35-0.48) | 141 4.6 0.42 | 143 4.8 0.43 | 138 4.4 0.40 | 131 4.3 0.37 | g/L x10*12/L | (119-160) (3.8-5.8) |
| MCV MCH (27.0-32.0) | 92 30.8 | 91 30.0 | 91 31.2 | 86 30.3 | fL pg | (80-100) |
| MCHC RDW (10.0-15.0) | 334 13.0 | 329 12.1 | 342 12.0 | 352 12.2 | g/L | (310-360) |
| WCC Neutrophils Lymphocytes Monocytes Eosinophils Basophils NRBC | 8.9 5.98 2.23 0.43 0.21 0.06 | 7.1 3.74 1.99 H 1.04 0.25 0.11 <1.0 | 5.1 2.65 1.66 0.59 0.16 0.07 <1.0 | 7.5 4.80 1.87 0.61 0.12 0.10 <1.0 | x10*9/L x10*9/L x10*9/L x10*9/L x10*9/L x10*9/L /100 WBC | (4.0-11.0) (2.0-7.5) (1.0-4.0) (0.0-1.0) (0.0-0.5) (0.0-0.3) (<1) |
| Platelets | 363 | 358 | 308 | 353 | x10*9/L | (150-450) |

Comments on Collection 06/12/19 0850 F: Full blood count is within reference limits

Supervising Pathologist: FH

NATA Accreditation No 2178

Tests Completed: FBC(e)

Insulin(s), Active B12(s), HbA1c Diag(e),

.SHBG/FAI(s), Thyroid Abs(s), Gliadin/TTG(s), IgA(s)

Sample Pending:

HARPER, IMOGEN

85 CASTLE CIRCUIT, SEAFORTH. 2092

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR CHRISTOPHER CHAPPEL

Name of Test: Metals, Blood

Requested: 06/12/2019 **Collected:** 06/12/2019 **Reported:** 10/12/2019

12:52

Clinical Notes : NO HISTORY

Heavy Metals

Serum Copper 15 umol/L (12 - 22)

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: Vit D(s), Cu(s), FT3(s), FT4(s), Plasma Zn(e)

Tests Pending : Reverse T3(s)

Sample Pending :

HARPER, IMOGEN

85 CASTLE CIRCUIT, SEAFORTH. 2092

Birthdate: 11/09/1986 **Sex:** F **Medicare Number:** 2735275983 **Your Reference:** 842238649 **Lab Reference:** 842238649-R-RT3

Laboratory: Douglass Hanly Moir Pathology

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR CHRISTOPHER CHAPPEL

Name of Test: Reverse T3(s)

Requested: 06/12/2019 **Collected:** 06/12/2019 **Reported:** 11/12/2019

15:12

Clinical Notes : NO HISTORY

Reverse Triiodothyronine

Reverse T3 425 pmol/L (140 - 540)

Comment on Lab ID 842238649

Reported by Sullivan and Nicolaides Pathology, a member of the Sonic Healthcare Group.

NATA Accreditation No 2178

Tests Completed: Vit D(s), Cu(s), FT3(s), FT4(s), Reverse T3(s), Plasma Zn(e) Tests Pending : Sample Pending :

HARPER, IMOGEN L

Birthdate: 11/09/1986 **Sex:** F **Medicare Number:** 27352759831

Your Reference: 7093399 Lab Reference: 7093399

Laboratory: PRP Diagnostic Imaging

Addressee: DR CHRISTOPHER CHAPPEL Referred by: DR CHRISTOPHER CHAPPEL

Name of Test: DEXA BONE DENSITOMETRY (BF045)

Requested: 10/01/2020 **Collected:** 14/01/2020 **Reported:** 14/01/2020

14:43

This report is for: Dr C. CHAPPEL

Referred By:-:
Dr C. CHAPPEL

BONE MINERAL DENSITY SCAN 14/01/2020 Reference: 7093399

BONE MINERAL DENSITOMETRY

HISTORY:

? osteoporosis.

TECHNIQUE:

Dual energy x-ray densitometry using Lunar Prodigy, narrow angle fan beam, with Encore software. The reference population used was

Australian Geelong/Lunar normal standard.

Previous studies: None.

FINDINGS:

| Site | | BMD (g/cm2) | T score |
|----------------|-----------|-------------|---------|
| Lumbar Spine | L1-L4 | 1.132 | -0.6 |
| Left Hip | Neck | 0.927 | -0.7 |
| | Total Hip | 0.901 | -1.1 |
| Right Hip | Neck | 0.864 | -1.2 |
| | Total Hip | 0.877 | -1.3 |
| Mean Total Hip | | 0.889 | -1.2 |

Fracture risk may be calculated using on-line calculators such as : https://www.garvan.org.au/promotions/bone-fracture-risk/calculator/

COMMENT:

Bone mineral density values are in the osteopenic range.

WHO definitions:

normal (T-score -1.0 and above) osteopenia (T-score between -1.0 and -2.5)

osteoporosis (T-score -2.5 and below)

Comments:

Relative fracture risk doubles for every 1.0 SD reduction. Spinal values are commonly elevated by spinal degenerative change. In the hip, the femoral neck is most sensitive for detecting osteoporosis, but is also very sensitive to variation in technical factors such as slight differences in hip positioning, which may lead to variability between different exams. Total hip value is more robust and less sensitive to technical variation, allowing accurate evaluation of change over time.

Dr Alan Chai

Electronically verified by: Dr Alan Chai - 14/01/2020 14:40

Seasons Greetings and a Happy New Year from all at PRP.