

Dr Rodney Lopez
0464588H

20/07/2018

Dr Nitin Gupta
Suite 2, Level 2
66 High Street
Randwick 2031

Ph (02) 8999 1101
Fax (02) 8089 1106

Dear Nitin,

Re: Mr Thomas Thirlwall
DOB: 14/03/2011
Address: 26 Warringah St
North Balgowlah 2093
Ph: 0414510980

Thank you for seeing Thomas, age 7 yrs, for an opinion and management. Thomas' brother Benjamin has possible Coeliac disease and Thomas has had GIT symptoms such as bloating that goes back to him being a baby. As a baby he suffered from reflux. He seems lethargic most of the time with mood swings as well. Of interest is a significantly high CRP and low protein markers with a suboptimal Vit-D suggesting a potential malabsorption or inflammatory bowel disease? I have added his recent results but HLD-DQ2/8 were not done. Thank you for seeing him and advising on management.

Past History

Current Medications

Allergies

Not recorded.

Yours faithfully


Dr Rodney Lopez
393 Military Road
Mosman 2088

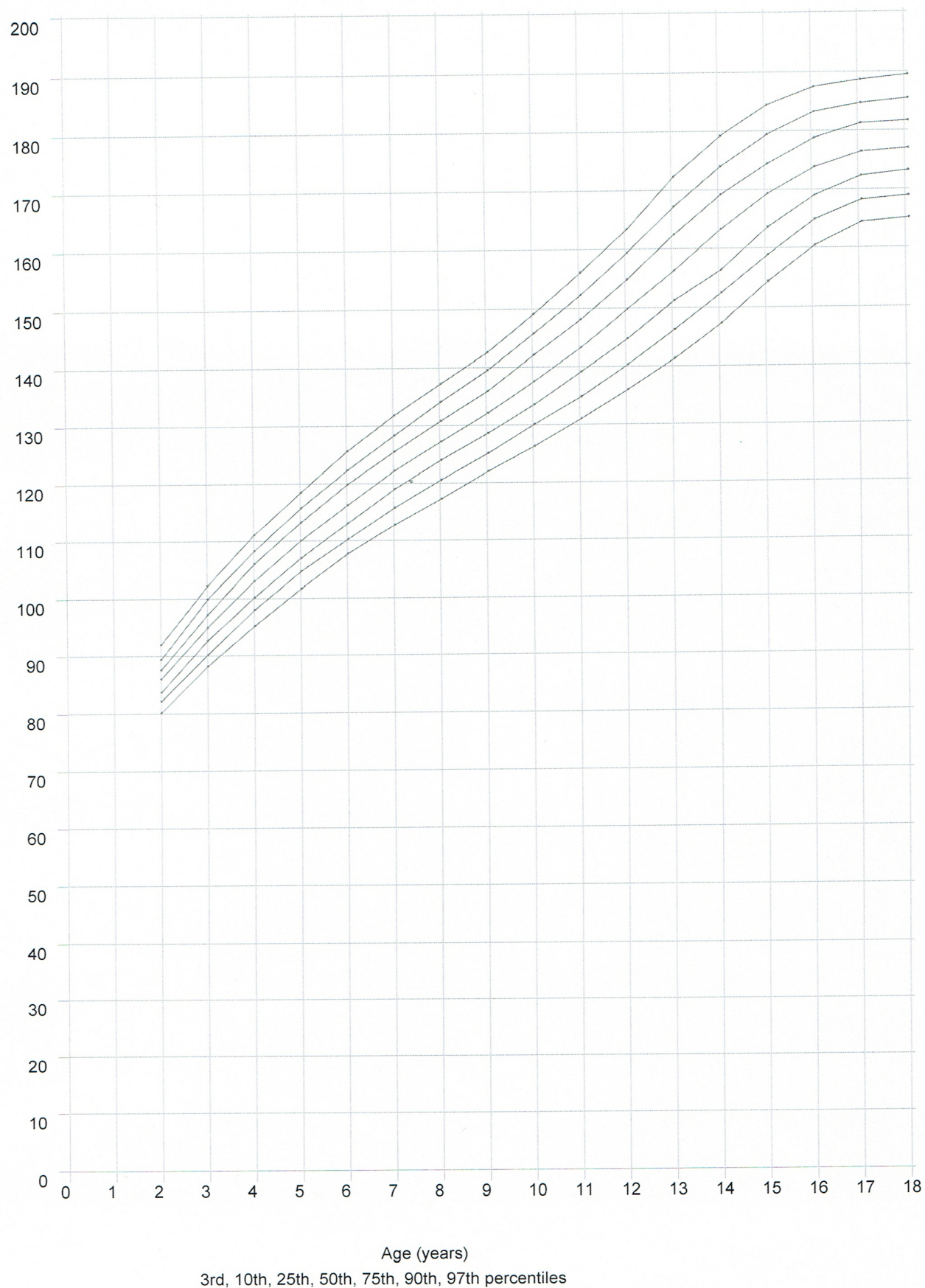
*** Please note The Mosman Practice now uses ARGUS**



Patient: Mr Thomas Thirlwall

Height (cm)

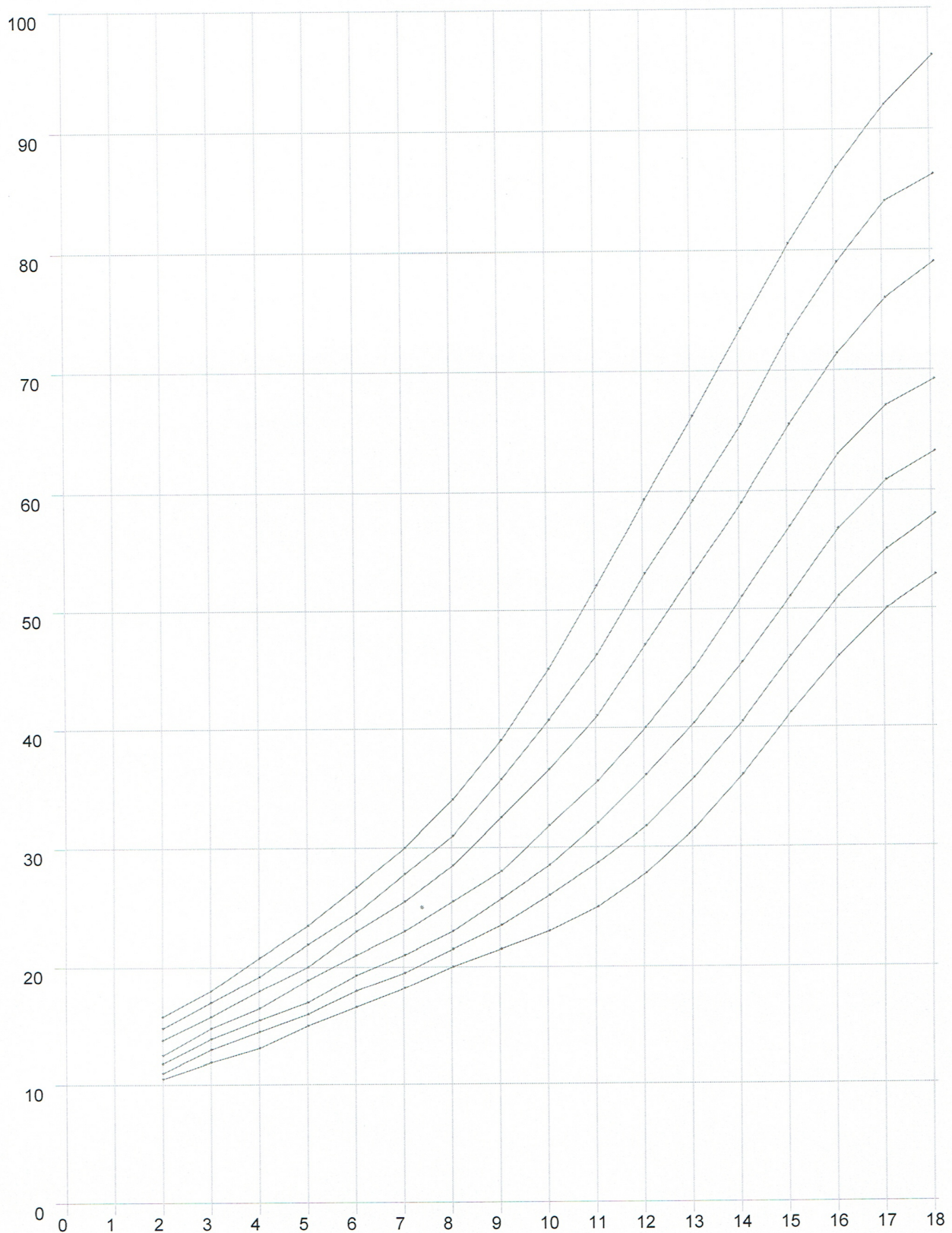
Printed on: 20/07/2018



Patient: Mr Thomas Thirlwall

Weight (kg)

Printed on: 20/07/2018



Age (years)

3rd, 10th, 25th, 50th, 75th, 90th, 97th percentiles

THIRLWALL, THOMAS
 26 WARRINGAH ST, NORTH BALGOWLAH. 2093
 Phone: 0414510980
 Birthdate: 14/03/2011 Sex: M Medicare Number: 2535280456
 Your Reference: 675857975 Lab Reference: 281927980-H-H902
 Laboratory: dhm
 Addressee: DR RODNEY LOPEZ Referred by: DR RODNEY LOPEZ

Name of Test: Haematology
 Requested: 03/07/2018 Collected: 03/07/2018 Reported: 03/07/2018
 21:52

Haematology

Haemoglobin	131	g/L	(115 - 160)
Red cell count	4.9	x10 ¹² /L	(3.8 - 5.4)
Haematocrit	0.39		(0.34 - 0.48)
MCV	79	fL	(75 - 95)
MCH	26.9	pg	(25.0 - 33.0)
MCHC	339	g/L	(310 - 360)
RDW	12.7		(10.0 - 15.0)
White cell count	10.6	x10 ⁹ /L	(4.5 - 13.5)
Neutrophils	6.51	x10 ⁹ /L	(1.5 - 8.0)
Lymphocytes	2.56	x10 ⁹ /L	(1.5 - 7.0)
Monocytes	0.86	x10 ⁹ /L	(0.0 - 1.1)
Eosinophils	0.63	x10 ⁹ /L	(0.0 - 0.8)
Basophils	0.06	x10 ⁹ /L	(0.0 - 0.3)
NRBC	<1.0	/100 WBC	(<1)
Platelets	288	x10 ⁹ /L	(150 - 450)
ESR	4	mm/h	(1 - 15)

Comment on Lab ID 281927980

Full blood count is within reference limits

Supervising Pathologist: FH

NATA Accreditation No 2178

Tests Completed: FBC(e), ESR(e)

Tests Pending : B12(s), Fol(s), LFT(s), Lipids(s), Cr(s), UCreat(s), E(s),
 Glu(s), Phos(s), UA(s), Iron(s), Ca(s), Amylase(s),
 Lipase(s), CRP(s), Vit

D(s), TSH(s), RU-iodine, Mys(s), Gliadin/TTG(s)

Sample Pending :

THIRLWALL, THOMAS
26 WARRINGAH ST, NORTH BALGOWLAH. 2093
Phone: 0417541720
Birthdate: 14/03/2011 Sex: M Medicare Number: 2535280456
Your Reference: 675857975 Lab Reference: 281927980-C-C924
Laboratory: dhm
Addressee: DR RODNEY LOPEZ Referred by: DR RODNEY LOPEZ

Name of Test: Glucose
Requested: 03/07/2018 Collected: 03/07/2018 Reported: 03/07/2018
22:52

Clinical Notes : NO HISTORY

Glucose

Glucose Random 5.6 mmol/L (3.6 - 7.8)
Comment on Lab ID 281927980

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: Lipids(s),Cr(s),UCreat(s),E(s),Glu(s),Phos(s),UA(s),
Ca(s),Amylase(s),Lipase(s),CRP(s),FBC(e),ESR(e)
Tests Pending : B12(s),Fol(s),LFT(s),Iron(s),Vit D(s),TSH(s),
RU-IODINE,Mys(s),Gliadin/TTG(s)
Sample Pending :

THIRLWALL, THOMAS
26 WARRINGAH ST, NORTH BALGOWLAH. 2093
Phone: 0417541720
Birthdate: 14/03/2011 Sex: M Medicare Number: 2535280456
Your Reference: 675857975 Lab Reference: 281927980-C-C245
Laboratory: dhm
Addressee: DR RODNEY LOPEZ Referred by: DR RODNEY LOPEZ

Name of Test: Amylase(s)
Requested: 03/07/2018 Collected: 03/07/2018 Reported: 03/07/2018
22:52

Clinical Notes : NO HISTORY

Routine Chemistry

Amylase 84 U/L (25 - 120)

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: Lipids(s), Cr(s), UCreat(s), E(s), Glu(s), Phos(s), UA(s),
Ca(s), Amylase(s), Lipase(s), CRP(s), FBC(e), ESR(e)
Tests Pending : B12(s), Fol(s), LFT(s), Iron(s), Vit D(s), TSH(s),
RU-IODINE, Mys(s), Gliadin/TTG(s)
Sample Pending :

THIRLWALL, THOMAS
26 WARRINGAH ST, NORTH BALGOWLAH. 2093
Phone: 0417541720
Birthdate: 14/03/2011 Sex: M Medicare Number: 2535280456
Your Reference: 675857975 Lab Reference: 281927980-C-C250
Laboratory: dhm
Addressee: DR RODNEY LOPEZ Referred by: DR RODNEY LOPEZ

Name of Test: Lipase(s)
Requested: 03/07/2018 Collected: 03/07/2018 Reported: 03/07/2018
22:52

Clinical Notes : NO HISTORY

Lipase

Lipase 9 U/L (8 - 80)

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: Lipids(s), Cr(s), UCreat(s), E(s), Glu(s), Phos(s), UA(s),
Ca(s), Amylase(s), Lipase(s), CRP(s), FBC(e), ESR(e)
Tests Pending : B12(s), Fol(s), LFT(s), Iron(s), Vit D(s), TSH(s),
RU-IODINE, Mys(s), Gliadin/TTG(s)
Sample Pending :

THIRLWALL, THOMAS
26 WARRINGAH ST, NORTH BALGOWLAH. 2093
Phone: 0417541720
Birthdate: 14/03/2011 Sex: M Medicare Number: 2535280456
Your Reference: 675857975 Lab Reference: 281927980-C-C151
Laboratory: dhm
Addressee: DR RODNEY LOPEZ Referred by: DR RODNEY LOPEZ

Name of Test: Iron Studies
Requested: 03/07/2018 Collected: 03/07/2018 Reported: 04/07/2018
04:22

Clinical Notes : NO HISTORY

Iron Studies

Iron	L 3.9	umol/L	(5.0 - 30.0)
Transferrin	2.6	g/L	(2.0 - 3.2)
TIBC (Calculated)	58	umol/L	(46 - 70)
Saturation	L 7	%	(10 - 45)
Ferritin	35	ug/L	(20 - 200)

Comment on Lab ID 281927980

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

*** The above result is provisional ***

Tests Completed: Fol(s), LFT(s), Lipids(s), Cr(s), UCreat(s), E(s), Glu(s),
Phos(s), UA(s), Ca(s), Amylase(s), Lipase(s), CRP(s),
TSH(s), FBC(e), ESR(e)

Tests Pending : B12(s), Iron(s), Vit D(s), RU-IODINE, Mys(s), Gliadin/TTG(s)

Sample Pending :

THIRLWALL, THOMAS
26 WARRINGAH ST, NORTH BALGOWLAH. 2093
Phone: 0417541720
Birthdate: 14/03/2011 Sex: M Medicare Number: 2535280456
Your Reference: 675857975 Lab Reference: 281927980-E-E031
Laboratory: dhm
Addressee: DR RODNEY LOPEZ Referred by: DR RODNEY LOPEZ

Name of Test: Thyroid Function
Requested: 03/07/2018 Collected: 03/07/2018 Reported: 04/07/2018
04:22

Clinical Notes : NO HISTORY

Thyroid Function

TSH 1.15 mIU/L (0.35 - 6.00)
Comment on Lab ID 281927980

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: Fol(s), LFT(s), Lipids(s), Cr(s), UCreat(s), E(s), Glu(s),
Phos(s), UA(s), Ca(s), Amylase(s), Lipase(s), CRP(s),
TSH(s), FBC(e), ESR(e)
Tests Pending : B12(s), Iron(s), Vit D(s), RU-IODINE, Mys(s), Gliadin/TTG(s)
Sample Pending :

THIRLWALL, THOMAS
26 WARRINGAH ST, NORTH BALGOWLAH. 2093
Phone: 0417541720
Birthdate: 14/03/2011 Sex: M Medicare Number: 2535280456
Your Reference: 675857975 Lab Reference: 281927980-C-C151
Laboratory: dhm
Addressee: DR RODNEY LOPEZ Referred by: DR RODNEY LOPEZ

Name of Test: Iron Studies
Requested: 03/07/2018 Collected: 03/07/2018 Reported: 04/07/2018
06:22

Clinical Notes : NO HISTORY

Iron Studies

Iron	L 3.9	umol/L	(5.0 - 30.0)
Transferrin	2.6	g/L	(2.0 - 3.2)
TIBC (Calculated)	58	umol/L	(46 - 70)
Saturation	L 7	%	(10 - 45)
Ferritin	35	ug/L	(20 - 200)

Comment on Lab ID 281927980

Ferritin result indicates depleted iron stores.

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: Fol(s), LFT(s), Lipids(s), Cr(s), UCreat(s), E(s), Glu(s),
Phos(s), UA(s), Iron(s), Ca(s), Amylase(s), Lipase(s),
CRP(s), TSH(s), FBC(e), ESR(e)

Tests Pending : B12(s), Vit D(s), RU-IODINE, Mys(s), Gliadin/TTG(s)

Sample Pending :

THIRLWALL, THOMAS
26 WARRINGAH ST, NORTH BALGOWLAH. 2093
Phone: 0417541720
Birthdate: 14/03/2011 Sex: M Medicare Number: 2535280456
Your Reference: 675857975 Lab Reference: 281927980-C-C290
Laboratory: dhm
Addressee: DR RODNEY LOPEZ Referred by: DR RODNEY LOPEZ

Name of Test: CRP(s)
Requested: 03/07/2018 Collected: 03/07/2018 Reported: 03/07/2018
22:52

Clinical Notes : NO HISTORY

C Reactive Protein (High Sens)

CRP H 10.9 mg/L (0.0 - 5.0)
Comment on Lab ID 281927980

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: Lipids(s), Cr(s), UCreat(s), E(s), Glu(s), Phos(s), UA(s),
Ca(s), Amylase(s), Lipase(s), CRP(s), FBC(e), ESR(e)
Tests Pending : B12(s), Fol(s), LFT(s), Iron(s), Vit D(s), TSH(s),
RU-IODINE, Mys(s), Gliadin/TTG(s)
Sample Pending :

THIRLWALL, THOMAS
26 WARRINGAH ST, NORTH BALGOWLAH. 2093
Phone: 0417541720
Birthdate: 14/03/2011 Sex: M Medicare Number: 2535280456
Your Reference: 675857975 Lab Reference: 281927980-C-C141
Laboratory: dhm
Addressee: DR RODNEY LOPEZ Referred by: DR RODNEY LOPEZ

Name of Test: Biochemistry
Requested: 03/07/2018 Collected: 03/07/2018 Reported: 04/07/2018
04:22

Clinical Notes : NO HISTORY

Biochemistry

Status	Random		
Sodium	139	mmol/L	(132 - 145)
Potassium	5.0	mmol/L	(3.5 - 5.5)
Chloride	105	mmol/L	(95 - 110)
Bicarbonate	24	mmol/L	(21 - 31)
Urea	5.3	mmol/L	(2.5 - 6.5)
Creatinine	45	umol/L	(30 - 60)
Urate	0.25	mmol/L	(0.10 - 0.30)
Calcium	L 2.22	mmol/L	(2.25 - 2.65)
Corrected Calcium	2.34	mmol/L	(2.25 - 2.60)
Phosphate	1.74	mmol/L	(1.0 - 1.9)
Total Bilirubin	L 3	umol/L	(4 - 20)
Alk Phos	158	U/L	(120 - 350)
Gamma GT	10	U/L	(5 - 20)
LDH	244	U/L	(150 - 300)
AST	25	U/L	(15 - 45)
ALT	12	U/L	(5 - 30)
Total Protein	L 57	g/L	(63 - 79)
Albumin	L 37	g/L	(38 - 48)
Globulin	L 20	g/L	(22 - 36)
Cholesterol	4.0	mmol/L	(3.9 - 5.5)
Triglycerides	0.9	mmol/L	(0.5 - 1.7)

Comment on Lab ID 281927980

Supervising Pathologist: GC, NT

NATA Accreditation No 2178

Tests Completed: Fol(s), LFT(s), Lipids(s), Cr(s), UCreat(s), E(s), Glu(s),
Phos(s), UA(s), Ca(s), Amylase(s), Lipase(s), CRP(s),
TSH(s), FBC(e), ESR(e)

Tests Pending : B12(s), Iron(s), Vit D(s), RU-IODINE, Mys(s), Gliadin/TTG(s)
Sample Pending :

THIRLWALL, THOMAS
26 WARRINGAH ST, NORTH BALGOWLAH. 2093
Phone: 0417541720
Birthdate: 14/03/2011 Sex: M Medicare Number: 2535280456
Your Reference: 675857975 Lab Reference: 281927980-E-H246
Laboratory: dhm
Addressee: DR RODNEY LOPEZ Referred by: DR RODNEY LOPEZ

Name of Test: B12/Folate/RCF
Requested: 03/07/2018 Collected: 03/07/2018 Reported: 04/07/2018
17:52

Clinical Notes : NO HISTORY

Vitamin B12 and Folate

Vitamin B12	547	pmol/L	(135 - 650)
Serum Folate	35.4	nmol/L	(>7.0)
Comment on Lab ID 281927980			

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), LFT(s), Lipids(s), Cr(s), UCreat(s), E(s),
Glu(s), Phos(s), UA(s), Iron(s), Ca(s), Amylase(s),
Lipase(s), CRP(s), TSH(s), FBC(e), ESR(e)

Tests Pending : Vit D(s), RU-IODINE, Mys(s), Gliadin/TTG(s)

Sample Pending :

THIRLWALL, THOMAS
26 WARRINGAH ST, NORTH BALGOWLAH. 2093
Phone: 0417541720
Birthdate: 14/03/2011 Sex: M Medicare Number: 2535280456
Your Reference: 675857975 Lab Reference: 281927980-R-E763
Laboratory: dhm
Addressee: DR RODNEY LOPEZ Referred by: DR RODNEY LOPEZ

Name of Test: RU-IODINE
Requested: 03/07/2018 Collected: 03/07/2018 Reported: 05/07/2018
09:52

Clinical Notes : NO HISTORY

Random Urine Iodine

R-U-Creatinine 13.4 mmol/L
Urine iodine 191 ug/L
Comment on Lab ID 281927980

WHO classification of iodine deficiency: Urine Iodine levels

Not Iodine deficient: >100 ug/L
Mild Iodine deficiency: 50 - 100 ug/L
Moderate Iodine deficiency: 20 - 49 ug/L
Severe Iodine deficiency: <20 ug/L

To convert Iodine ug/L to Iodine nmol/L

ug/L x 7.88 = nmol/L

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

NATA Accreditation No 2178

Tests Completed: B12(s), Fol(s), LFT(s), Lipids(s), Cr(s), UCreat(s), E(s),
Glu(s), Phos(s), UA(s), Iron(s), Ca(s), Amylase(s),
Lipase(s), CRP(s), TSH(s), RU-IODINE, FBC(e), ESR(e)
Tests Pending : Vit D(s), Mys(s), Gliadin/TTG(s)
Sample Pending :

THIRLWALL, THOMAS
26 WARRINGAH ST, NORTH BALGOWLAH. 2093
Phone: 0417541720
Birthdate: 14/03/2011 Sex: M Medicare Number: 2535280456
Your Reference: 675857975 Lab Reference: 281927980-I-I073
Laboratory: dhm
Addressee: DR RODNEY LOPEZ Referred by: DR RODNEY LOPEZ

Name of Test: Gliadin/TTG(s)
Requested: 03/07/2018 Collected: 03/07/2018 Reported: 05/07/2018
11:22

Clinical Notes : NO HISTORY

Coeliac Serology

Deamidated Gliadin IgA	1	U/mL	(	<15	)
Deamidated Gliadin IgG	10	U/mL	(	<15	)
Tissue Transglutaminase IgA	3	U/mL	(	<15	)
Tissue Transglutaminase IgG	<1	U/mL	(	<15	)

Comment on Lab ID 281927980

From 03/06/2013, all requests for coeliac serology will be analysed by a multiplex assay which simultaneously detects deamidated gliadin IgA and IgG as well as tissue transglutaminase IgA and IgG antibodies. All four results are reported regardless of request and if selective IgA deficiency is detected (<0.07 g/L) which would render IgA-based serology non-informative this is also reported.

In a person eating wheat, the presence of one positive antibody may occur without coeliac disease while multiple positive antibodies strongly predict coeliac disease which should be confirmed by biopsy. For monitoring coeliac disease, IgA antibodies may become negative after 6-9 months of gluten restriction while IgG antibodies may take 9-12 months; persistent positive serology suggests non-compliance. Risk of coeliac disease may be effectively excluded if HLA-DQ2 or HLA-DQ8 are not detected in persons with discordant serology or positive family history. Endomysial IgA antibodies can be performed on request but we believe they have limited clinical utility with our new deamidated gliadin and TTG assays.

Supervising Pathologist: KB

NATA Accreditation No 2178

Tests Completed: B12(s), Fol(s), LFT(s), Lipids(s), Cr(s), UCreat(s), E(s),
Glu(s), Phos(s), UA(s), Iron(s), Ca(s), Amylase(s),
Lipase(s), CRP(s), TSH(s), RU-iodine, FBC(e), ESR(e), Gliadin/TTG(s)
Tests Pending : Vit D(s), Mys(s)
Sample Pending :

THIRLWALL, THOMAS
26 WARRINGAH ST, NORTH BALGOWLAH. 2093
Phone: 0417541720
Birthdate: 14/03/2011 Sex: M Medicare Number: 2535280456
Your Reference: 675857975 Lab Reference: 281927980-C-C513
Laboratory: dhm
Addressee: DR RODNEY LOPEZ Referred by: DR RODNEY LOPEZ

Name of Test: Vit D(s)
Requested: 03/07/2018 Collected: 03/07/2018 Reported: 05/07/2018
14:22

Clinical Notes : NO HISTORY

25-OH Vitamin D

Vitamin D 52 nmol/L (50 - 140)
Comment on Lab ID 281927980

Consistent with Vitamin D adequacy.
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: B12(s), Fol(s), LFT(s), Lipids(s), Cr(s), UCreat(s), E(s),
Glu(s), Phos(s), UA(s), Iron(s), Ca(s), Amylase(s),
Lipase(s), CRP(s), Vit D(s), TSH(s), RU-iodine, FBC(e),
ESR(e), Gliadin/TTG(s)

Tests Pending : Mys(s)

Sample Pending :

THIRLWALL, THOMAS
26 WARRINGAH ST, NORTH BALGOWLAH. 2093
Phone: 0417541720
Birthdate: 14/03/2011 Sex: M Medicare Number: 2535280456
Your Reference: 675857975 Lab Reference: 281927980-I-I907
Laboratory: dhm
Addressee: DR RODNEY LOPEZ Referred by: DR RODNEY LOPEZ

Name of Test: Coeliac Serology
Requested: 03/07/2018 Collected: 03/07/2018 Reported: 09/07/2018
14:52

Clinical Notes : NO HISTORY

Coeliac Serology

Endomysial IgA Abs Not Detected
Comment on Lab ID 281927980

EMA antibodies not detected. Tissue transglutaminase (tTG) and deamidated gliaden IgA /IgG antibodies are a more sensitive and specific screening test for coeliac disease/dermatitis herpetiformis.

Supervising Pathologist: KB

NATA Accreditation No 2178

Tests Completed: B12(s), Fol(s), LFT(s), Lipids(s), Cr(s), UCreat(s), E(s),
Glu(s), Phos(s), UA(s), Iron(s), Ca(s), Amylase(s),
Lipase(s), CRP(s), Vit D(s), TSH(s), RU-IODINE, FBC(e),
ESR(e), Mys(s), Gliadin/TTG(s)

Tests Pending :
Sample Pending :