



DOUGLASS HANLY MOIR PATHOLOGY

Specialist Pathologists (02) 9855 5150 Toll free 1800 222 365

General enquiries (all hours) (02) 9855 5222 Results (02) 9855 5100

Douglass Hanly Moir Pathology Pty Limited ABN 80 003 332 858,
a subsidiary of Sonic Healthcare Limited ABN 24 004 196 909 APA 906

Specialist Pathologists

Dr E Ahn
Dr A Allende
Dr T Bailey
Dr K Baumgart
Dr M Berbic
Dr C Bilo
Dr J Blackwell
Adj Prof F Bonar
Dr I Burchett
Dr J Burn
Dr G Caldwell
Dr I Chambers
Dr A Chesh
Prof S Clark
A/Prof H Coleman
Dr S Collett-Burns
Dr O Crainic
Dr S Danieleto
Adj Prof W Delprado
Dr P Di Ciccio
Dr J Ding
Dr F D'Souza
Dr M Dubois
Dr M Edwards
Dr S Fairly
Adj Prof A Farnsworth
Dr M Galea
Dr G Gifford
Dr C Goldschmidt

Dr M Gorji
Dr P Guzman
Dr G Hall
Dr F Hanly
Dr T Harvey
Dr C Ho
Dr L Ho
Dr V Howard
Dr S Hyne
Adj Prof R Jaworski
Dr J Jiang
Dr M Jones
Dr A Khanli
Dr L Killen
Dr R Laing
Dr R Livingston

Dr C Lim
Dr L Lin
A/Prof F Maclean
Dr Y Matthews
Dr K McKenzie
Dr R McKinley
Dr P McQuillan
Dr K Memick
A/Prof J Ouan
Dr O Mokgwathi
Dr R Montgomery
Dr S Moran
Dr E Morris
Dr A Muljono
Dr E Myint
Dr K Nejad

Dr J Newcombe
Dr I Ngu
Dr H Ogle
Dr J Ortiz
Dr S Pallfreeman
A/Prof N Pathmanathan
Dr M Paul
Dr J Pickett
A/Prof J Quinn
Dr D Reddy
Dr J Reddy
Dr R Reynolds
Dr G Rhodes
Dr J Roberts
Dr M Rodriguez
Dr M Roman

Dr S Shcheiakov
Dr E Sinclair
Dr V Stoarmer
Dr K Tan
Dr I Tang
Dr N Taylor
Dr V Thiruvilangam
Dr C Treback
Dr J Turchani
A/Prof J Turner
Dr A Varallo-Nunez
A/Prof C Vargas
Dr M Wehrhahn
Dr C Wong
Dr J Wu
Dr K Young

Mrs Jordana Thirlwall

26 WARRINGAH ST
NORTH BALGOWLAH NSW 2093



Ref by: Dr R Neville

Ph: 0299691633

Jordana THIRLWALL

Lab ID : 869137399 Your Ref : 63367

26 Warringah St
North Balgowlah 2093

Requested : 15/02/2022

Collected : 25/02/2022 08:56

Received : 25/02/2022 16:12

DOB : 30/03/1982 (39 Yrs)

Printed : 03/03/2022 09:48

Sex : Female

Ph : 0417541720

Coeliac Serology

Deamidated Gliadin IgA	5	U/mL	(<15)
Deamidated Gliadin IgG	<1	U/mL	(<15)
Tissue Transglutaminase IgA	<1	U/mL	(<15)
Tissue Transglutaminase IgG	<1	U/mL	(<15)

Comment

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.

Haematology

Date	16/01/19	21/02/20	03/08/20	06/04/21	Current Result	Units	Reference
Time	11:47	08:51	14:44	09:15	25/02/22		
Lab ID	295005536	841947917	846300288	849306006	08:56		
					869137399		
Haemoglobin	127	130	123	134	129	g/L	(119-160)
RCC	4.2	4.1	4.0	4.1	4.2	x10 ¹² /L	(3.8-5.8)
Haematocrit	0.39	0.38	0.37	0.39	0.40		(0.35-0.48)
MCV	92	93	94	95	95	fL	(80-100)
MCH	30.2	31.6	31.1	*32.6	30.9	pg	(27.0-32.0)
MCHC	328	339	332	344	325	g/L	(310-360)
RDW	12.8	12.0	11.9	12.7	12.2		(10.0-15.0)
WCC	5.6	4.0	5.8	5.5	*3.8	x10 ⁹ /L	(4.0-11.0)
Neutrophils	3.05	2.10	3.20	3.08	*1.91	x10 ⁹ /L	(2.0-7.5)
Lymphocytes	1.98	1.54	1.98	1.96	1.44	x10 ⁹ /L	(1.0-4.0)
Monocytes	0.41	0.23	0.36	0.35	0.25	x10 ⁹ /L	(0.0-1.0)
Eosinophils	0.13	0.10	0.15	0.12	0.12	x10 ⁹ /L	(0.0-0.5)
Basophils	0.06	0.04	0.07	0.03	0.04	x10 ⁹ /L	(0.0-0.3)
NRBC	<1.0	<1.0	<1.0	<1.0	<1.0	/100 WBC	(<1)
Platelets	183	176	169	199	172	x10 ⁹ /L	(150-450)
ESR	8		1	2	6	mm/h	(1-25)

Comment on Lab ID 869137399

Mild neutropenia

Surgery Use

☐ Normal

☐ No Action

☐ Contact Patient

☐ See Patient

☐ See File

☐ Continue Treatment

Signed

Date



DOUGLASS HANLY MOIR PATHOLOGY

Specialist Pathologists (02) 9855 5150 Toll free 1800 222 365

General enquiries (all hours) (02) 9855 5222 Results (02) 9855 5100

Douglass Hanly Moir Pathology Pty Limited ABN 80 003 332 858,
a subsidiary of Sonic Healthcare Limited ABN 24 004 196 909 APA 906

Specialist Pathologists

Dr E Ahn
Dr A Aliende
Dr T Ballie
Dr K Baumgart
Dr M Berbic
Dr C Bero
Dr J Blackwell
Adj Prof F Bonar
Dr A Broadfoot
Dr I Burdett
Dr J Burn
Dr G Caldwell
Dr I Chambers
Dr A Cheah
Prof S Clark

AProf H Coleman
Dr S Oodib-Burns
Dr O Crainic
Dr S Danieleto
Adj Prof W Delprado
Dr P Di Ciacio
Dr J Ding
Dr F D'Souza
Dr M Dubosq
Dr M Edwards
Dr S Fairly
Adj Prof A Farnsworth
Dr M Galea
Dr G Gifford
Dr C Goldschmidt

Dr M Gorji
Dr P Guzman
Dr G Hall
Dr F Hanly
Dr T Harvey
Dr C Ho
Dr L Ho
Dr V Howard
Dr S Hyne
Adj Prof R Jaworski
Dr J Jiang
Dr M Jones
Dr A Khani
Dr L Killen
Dr R Laing
Dr R Livingston

Dr C Lim
Dr L Lin
AProf F Maclean
Dr H Ogle
Dr J Oza
Dr S Palfreman
AProf N Pathmanathan
Dr M Paul
Dr J Pickett
AProf J Quinn
Dr D Reddy
Dr J Reddy
Dr R Montgomery
Dr S Reynolds
Dr G Rhodes
Dr A Muljono
Dr E Myint
Dr K Nejad

Dr J Newcombe
Dr I Ngu
Dr H Ogle
Dr J Oza
Dr S Palfreman
AProf N Pathmanathan
Dr M Paul
Dr J Pickett
AProf J Quinn
Dr D Reddy
Dr J Reddy
Dr R Montgomery
Dr S Reynolds
Dr G Rhodes
Dr A Muljono
Dr E Myint
Dr K Nejad

Dr S Shchekolov
Dr E Sinclair
Dr V Stiemer
Dr K Tan
Dr I Tang
Dr N Taylor
Dr V Thiruvilangam
Dr C Treback
Dr J Turchini
AProf J Turner
Dr A Varadachandran
AProf C Vargas
Dr M Wehahn
Dr C Wong
Dr K Wu
Dr K Young

Patient

Jordana THIRLWALL

Lab ID : 869137399 Your Ref : 63367

26 Warringah St
North Balgowlah 2093

Requested : 15/02/2022
Collected : 25/02/2022 08:56
Received : 25/02/2022 16:12
Printed : 03/03/2022 09:48

DOB : 30/03/1982 (39 Yrs)
Sex : Female
Ph : 0417541720

Biochemistry

Date	26/11/18	03/08/20	06/04/21	25/02/22	Current Result	Units	Reference
Time	16:39	14:44	09:15	08:56	08:56		
Lab ID	293832583	846300288	849306006	866562448	869137399		
Status	Random	Random	Fasting	Fasting	Fasting		
Sodium	140	139	137	138	138	mmol/L	(135-145)
Potassium	4.0	4.0	4.2	4.4	4.4	mmol/L	(3.5-5.5)
Chloride	106	104	105	106	106	mmol/L	(95-110)
Bicarbonate	26	27	22	25	25	mmol/L	(20-32)
Urea	6.7	4.9	5.1	4.6	4.6	mmol/L	(2.5-7.0)
Creatinine	*90	60	60	70	70	umol/L	(45-85)
eGFR	70	>90	>90	>90	>90	mL/min/1.73m2	(>59)
Bili. Total	7	9	*16	12	12	umol/L	(3-15)
ALP	29	30	30	31	31	U/L	(20-105)
GGT	9	8	9	11	11	U/L	(5-35)
LD	156	143	138	152	152	U/L	(120-250)
AST	15	23	16	15	15	U/L	(10-35)
ALT	13	17	15	12	12	U/L	(5-30)
Total Protein	69	*63	*62	*66	*66	g/L	(68-85)
Albumin	43	41	41	44	44	g/L	(37-48)
Globulin	26	*22	*21	*22	*22	g/L	(23-39)
Cholesterol		5.3	4.4	4.4	4.4	mmol/L	(3.9-5.5)

Comment on Lab ID 869137399

eGFR (mL/min/1.73m2) calculated by CKD-EPI formula - see www.kidney.org.au

Glucose

Date	29/05/18	26/11/18	03/08/20	06/04/21	Current Result	Units	Reference
Time	09:18	16:39	14:44	09:15	08:56		
Lab ID	281926062	293832583	846300288	849306006	869137399		
F Gluc Plasma	5.0			4.9	4.8	mmol/L	(3.6-6.0)
R Gluc Plasma		5.5	6.0			mmol/L	(3.6-7.8)

Iron Studies

Date	25/11/19	21/02/20	03/08/20	06/04/21	Current Result	Units	Reference
Time	08:47	08:51	14:44	09:15	08:56		
Lab ID	299328142	841947917	846300288	849306006	869137399		
Iron	17.2	19.5	21.7	27.8	14.9	umol/L	(5.0-30.0)
Transferrin	2.3	2.4	2.3	2.4	2.4	g/L	(2.0-3.6)
TIBC (Calc)	52	54	52	54	54	umol/L	(46-77)
Saturation	33	36	42	*51	28	%	(10-45)
Ferritin	26	21	23	27	44	ug/L	(15-200)

Thyroid Function

Date	03/08/20	06/04/21	06/04/21	25/02/22	Current Result	Units	Reference
Time	14:44	09:15	09:19	08:56	08:56		
Lab ID	846300288	849306006	849306007	866562448	869137399		
TSH	0.81	1.11	1.03		1.14	mIU/L	(0.40-3.50)
Free T4			12.4	12.8		pmol/L	(9.0-19.0)
Free T3			4.1	4.0		pmol/L	(2.6-6.0)

B12/Folate/RCE

Date	10/08/18	26/11/18	03/08/20	06/04/21	Current Result	Units	Reference
Time	11:09	16:39	14:44	09:15	08:56		
Lab ID	279646783	293832583	846300288	849306006	869137399		
Vitamin B12			535	282		pmol/L	(135-650)
S.Fol (Abbott)	41.8	37.0	>45.3	37.2	41.0	nmol/L	(>7.0)

Surgery
Use

☐ Normal

☐ No Action

☐ Contact
Patient

☐ See
Patient

☐ See File

☐ Continue
Treatment

Signed

Date



Accredited for compliance
with NATA Standards
and ISO 15189.

NATA Accreditation No. 2178

Tests Completed: Fol(s), LFT(s), Chol(s), C(s), UCreat(s), E(s), Glu(p), Iron(s), Vit D(s), TSH(s), Prol(s), Active B12(s)
HbA1c Diag(e), FBC(e), ESR(e), ANA(s), Gliadin/TTG(s), ENA Screen(s). FINAL REPORT



DOUGLASS HANLY MOIR PATHOLOGY

Specialist Pathologists (02) 9855 5150 Toll free 1800 222 365
General enquiries (all hours) (02) 9855 5222 Results (02) 9855 5100
Douglass Hanly Moir Pathology Pty Limited ABN 80 003 332 858,
a subsidiary of Sonic Healthcare Limited ABN 24 004 196 909 APA 906

Specialist Pathologists

Dr E Ahn Dr A Aliende Dr T Bailey Dr K Baumgart Dr M Berbic Dr C Bilo Dr J Blackwell Adj Prof F Bonar Dr A Broadbent Dr I Burchett Dr J Burn Dr G Caldwell Dr I Chambers Dr A Cheah Prof S Clark	A/Prof H Coleman Dr S Corbett Burns Dr O Crainic Dr S Danieleto Adj Prof W Delprado Dr P Di Giaccio Dr J Ding Dr F D'Souza Dr M Dubosq Dr M Edwards Dr S Fairly Adj Prof A Farnsworth Dr M Galea Dr G Gifford Dr C Goldschmidt	Dr M Gorgi Dr P Guzman Dr G Hall Dr F Hanly Dr T Harvey Dr C Ho Dr L Ho Dr V Howard Dr S Hyne Adj Prof R Jaworski Dr S Moran Dr M Jones Dr A Khan Dr L Killen Dr R Laing Dr R Levinston	Dr C Lim Dr L Lin A/Prof F Maclean Dr Y Matthews Dr K McKenzie Dr R McKenney Dr P McQuillan Dr K Merrick Dr D Moar Dr O Mokgwathi Dr R Montgomery Dr S Moran Dr E Morris Dr A Muljono Dr E Myint Dr K Nijad	Dr J Newcombe Dr I Ngu Dr H Ogle Dr J Ortiz Dr S Paterson A/Prof R Pathmanathan Dr M Psail Dr J Pickett A/Prof J Quinn Dr D Reddy Dr J Reddy Dr R Reynolds Dr G Rhodes Dr J Roberts Dr M Rodriguez Dr M Roman	Dr S Shchelokov Dr E Sinclair Dr V Stoermer Dr K Tan Dr I Tang Dr N Taylor Dr V Thiruvengadam Dr C Treback Dr J Turchini A/Prof J Turner Dr A Varallo-Nunzi A/Prof C Vargas Dr M Wahnehn Dr C Wong Dr J Wu Dr K Young
--	--	--	--	--	--

Mrs Jordana Thirlwall

26 WARRINGAH ST
NORTH BALGOWLAH NSW 2093



Ref by: Dr R Neville

Ph: 0299691633

Patient

Jordana THIRLWALL

Lab ID : 869137399 Your Ref : 63367

26 Warringah St
North Balgowlah 2093

DOB : 30/03/1982 (39 Yrs)
Sex : Female
Ph : 0417541720

Requested : 15/02/2022
Collected : 25/02/2022 08:56
Received : 25/02/2022 16:12
Printed : 03/03/2022 09:48

Proactin	Date	Time	Lab ID	Current Result	Units	Reference
	06/04/21	09:15	849306006	25/02/22 08:56 869137399		
Proactin (Roche)	368			233	mIU/L	(85-500)

25-OH Vitamin D	Date	Time	Lab ID	Current Result	Units	Reference
	18/12/17	11:09	267994416	10/08/18 11:09 279646783		
Vitamin D	62			03/08/20 14:44 846300288		
				06/04/21 09:15 849306006		
				25/02/22 08:56 869137399		
				73	nmol/L	(50-140)

Comment on Lab ID 869137399

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.

Active B12	Date	Time	Lab ID	Current Result	Units	Reference
	06/03/18	11:06	268283646	10/08/18 11:09 279646783		
Active B12	> 128			26/11/18 16:39 293832583		
				06/04/21 09:15 849306006		
				25/02/22 08:56 869137399		
				> 128	pmol/L	(> 35)

HbA1c	Date	Time	Lab ID	Current Result	Units	Reference
	06/04/21	09:15	849306006	25/02/22 08:56 869137399		
HbA1c (IFCC)	32				mmol/mol	(20-38)
HbA1c	5.1				%	(4.0-5.6)
HbA1c (IFCC)	32				mmol/mol	(20-38)
HbA1c (NGSP)	5.1				%	(4.0-5.6)

Comment on Lab ID 869137399

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

It also should be noted that further investigation is required for any inexplicably low HbA1c level or significant discrepancy between HbA1c and glucose results.

Please note that of 19/08/2021, HbA1c measurement changed from the Biorad D-100 to the Sebia Capillarys 3 method.

Surgery Use

☐ Normal

☐ No Action

☐ Contact Patient

☐ See Patient

☐ See File

☐ Continue Treatment

Signed

Date

Tests Completed: Fol(s), LFT(s), Chol(s), C(s), UCreat(s), E(s), Glu(p), Iron(s), Vit D(s), TSH(s), Prol(s), Active B12(s)
HbA1c Diag(e), FBC(e), ESR(e), ANA(s), Gliadin/TTG(s), ENA Screen(s). **FINAL REPORT**
Clinical Notes: fatigue

RCPA
The Royal College of Pathologists in Australia
Accredited for compliance
with NPAAC standards
and ISO 15189.
NATA Accreditation No. 2178



DOUGLASS HANLY MOIR PATHOLOGY

Specialist Pathologists (02) 9855 5150 Toll free 1800 222 365
General enquiries (all hours) (02) 9855 5222 Results (02) 9855 5100

Douglass Hanly Moir Pathology Pty Limited ABN 80 003 332 858,
a subsidiary of Sonic Healthcare Limited ABN 24 004 196 909 APA 906

Specialist Pathologists

Dr E Ahn Dr A Allende Dr T Ballo Dr M Baumgart Dr M Berbic Dr C Biro Dr J Blackwell Adj Prof F Boner Dr A Broadbent Dr I Burdett Dr J Burni Dr G Caldwell Dr I Chambers Dr A Cheah Prof S Clark	A/Prof H Coleman Dr S Corbett Burns Dr O Crainic Dr S Danieleto Adj Prof W Delprado Dr P Di Ciccio Dr J Ding Dr F D'Souza Dr M Dubosq Dr M Edwards Dr S Fairly Adj Prof A Farnsworth Dr M Galea Dr G Gilford Dr C Goldschmidt	Dr M Gorji Dr P Guzman Dr G Hall Dr F Hanly Dr T Harvey Dr C Ho Dr L Ho Dr V Howard Dr S Hyne Adj Prof R Jaworski Dr J Jiang Dr M Jones Dr A Khan Dr L Killen Dr R Leing Dr R Livingston	Dr C Lim Dr L Lin A/Prof F Maclean Dr Y Mathews Dr K McKenzie Dr R McKinley Dr P McGuillan Dr K Merrick Dr D Moir Dr O Mokgwathi Dr R Montgomery Dr S Moran Dr E Morris Dr A Muljono Dr E Myint Dr K Nejad	Dr J Newcombe Dr I Ngu Dr H Ogle Dr J Ortiz Dr S Palfreeman A/Prof N Pathmanathan Dr M Paul Dr J Pickett A/Prof J Qun Dr D Reddy Dr J Reddy Dr R Reynolds Dr G Rhodes Dr J Roberts Dr M Rodriguez Dr M Roman	Dr S Shchelokov Dr E Sinclair Dr V Stoermer Dr K Tan Dr I Tang Dr N Taylor Dr V Thiruvallangam Dr C Treback Dr J Turchini A/Prof J Turner Dr A Varallo-Nunez A/Prof C Vargas Dr M Wehhahn Dr C Wong Dr J Wu Dr K Young
---	---	---	---	---	---

Patient

Mrs Jordana Thirlwall

26 WARRINGAH ST
NORTH BALGOWLAH NSW 2093



Ref by: Dr R Neville

Ph: 0299691633

Jordana THIRLWALL

Lab ID : **869137399** Your Ref : **63367**

26 Warringah St
North Balgowlah 2093

Requested : 15/02/2022
Collected : 25/02/2022 08:56
Received : 25/02/2022 16:12
Printed : 03/03/2022 09:48

DOB : 30/03/1982 (39 Yrs)
Sex : Female
Ph : 0417541720

Antinuclear Antibodies

ANA

Not Detected

Comment

(Screened at a titre of 80)

PLEASE NOTE: As of 18/10/2021, ANA testing will be reported using Inova Hep2 slides. Occasional patients may react differently with this change in test system.

Antibodies to Extractable Nuclear Antigen (ENA)

SS-A 60	Not detected
SS-B	Not detected
Ro-52	Not detected
Scl-70	Not detected
Jo-1	Not detected
Cenp-B	Not detected
Sm	Not detected
RNP	Not detected
Ribo-P	Not detected

Surgery Use

☐ Normal

☐ No Action

☐ Contact Patient

☐ See Patient

☐ See File

☐ Continue Treatment

Signed

Date

RCPA **NATA**
The Royal College of Pathologists of Australia
Accredited for compliance
with NATA Standards
and ISO 15189
NATA Accreditation No. 2178

Tests Completed: Fol(s), LFT(s), Chol(s), C(s), UCreat(s), E(s), Glu(p), Iron(s), Vit D(s), TSH(s), Prol(s), Active B12(s)
HbA1c Diag(e), FBC(e), ESR(e), ANA(s), Gliadin/TTG(s), ENA Screen(s). **FINAL REPORT**
Clinical Notes: fatigue



DOUGLASS
HANLY MOIR
PATHOLOGY

Jordana Thirlwall

LAB ID 866562448 DOB 30/03/1982 (39Y Female)

Referring Doctor Dr Ratna Neville

Your ref. 00355912

Address 26 Warringah St
NORTH BALGOWLAH NSW 2093

Phone 0417 541 720

Requested 15 Feb 2022

Collected 25 Feb 2022 08:56 am

Received 25 Feb 2022 08:59 am

Reported 03 Mar 2022 11:35 am

Mrs Jordana Thirlwall
26 Warringah St
NORTH BALGOWLAH NSW 2093

TAG/---/---/---

Copy to Mrs Jordana Thirlwall

Anti-Mullerian Hormone (AMH)

Marker of Ovarian Follicle Reserve

Collected	Test	Result	Units
25 Feb 2022 08:56 am	AMH	0.3	pmol/L



Assay used: Anti Mullerian H Snp

Specimen collected: Serum

REFERENCE: < 2.5th percentile 2.5th-50th percentile 50th-97.5th percentile >97.5th percentile

Test performed by Sullivan Nicolaides Pathology, a member of the Sonic Healthcare Group.

Page 1 of 1

Results (02) 9855 5100

Pathologists (02) 9855 5150 | All Hours (02) 9855 5222 | Toll Free 1800 222 365

Douglass Hanly Moir Pathology Pty Limited | ABN 80 003 332 858

14 Giffnock Avenue, Macquarie Park NSW 2113

A member of the Sonic Healthcare Group

NATA Accreditation No 2178



Accredited for compliance with NPAAC standards and ISO 15189



DOUGLASS HANLY MOIR PATHOLOGY

Specialist Pathologists (02) 9855 5150 Toll free 1800 222 365
General enquiries (all hours) (02) 9855 5222 Results (02) 9855 5100

Douglass Hanly Moir Pathology Pty Limited ABN 80 003 332 858
a subsidiary of Sonic Healthcare Limited ABN 24 004 196 909 APA 906

Specialist Pathologists

Dr E Ahn Dr A Aliende Dr T Bailey Dr K Baumgart Dr M Berbic Dr C Bio Dr J Blackwell Adj Prof F Bonar Dr A Broadfoot Dr I Burchett Dr J Burn Dr G Caldwell Dr I Chambers Dr A Cheah Prof S Clark	Adj Prof H Coleman Dr S Corbett Burns Dr O Crainic Dr S Danieleto Adj Prof W Delprado Dr P Di Ciccio Dr J Ding Dr F D'Souza Dr M Dubosq Dr M Edwards Dr S Fairly Adj Prof A Farnsworth Dr M Galea Dr G Gifford Dr C Goldschmidt	Dr M Gorji Dr P Guzman Dr G Hall Dr F Hanly Dr T Harvey Dr C Ho Dr L Ho Dr V Howard Dr S Hyne Adj Prof R Jewson Dr J Jiang Dr M Johns Dr A Khari Dr L Killen Dr R Laing Dr R Livingston Dr K Nejad	Dr C Lim Dr L Lin Adj Prof F Maclean Dr Y Matthews Dr K McKenzie Dr R McKinley Dr P McGuillan Dr K Merrick Dr D Moor Dr O Mokgwathi Dr R Montgomery Dr S Moran Dr B Morris Dr A Mulgrew Dr E Myint Dr M Roman	Dr J Newcombe Dr I Ng Dr H Ogilvie Dr J Ortiz Dr S Palfreeman Adj Prof N Pathmanathan Dr M Paul Dr J Pickett Adj Prof J Quinn Dr D Reddy Dr S Reynolds Dr G Rhodes Dr J Roberts Dr M Rodriguez Dr M Roman	Dr S Shchelokov Dr E Sinclair Dr V Soimer Dr K Tan Dr I Tang Dr N Taylor Dr V Thiruvallam Dr C Treback Dr J Turchini Adj Prof J Turner Dr A Varallo-Nunez Adj Prof C Vargas Dr M Wehshahn Dr C Wong Dr J Wu Dr K Young
---	---	--	--	---	---

Mrs Jordana Thirlwall

26 WARRINGAH ST
NORTH BALGOWLAH NSW 2093



Ref by: Dr R Neville

Ph: 0299691633

Patient

Jordana THIRLWALL

Lab ID : 866562448 Your Ref : 00355912

26 Warringah St
North Balgowlah 2093

Requested : 15/02/2022
Collected : 25/02/2022 08:56
Received : 25/02/2022 08:59
Printed : 04/03/2022 09:50

DOB : 30/03/1982 (39 Yrs)
Sex : Female
Ph : 0417541720

IGF1		Current Result	Units	Reference
Date	06/04/21	25/02/22		
Time	09:19	08:56		
Lab ID	849306007	866562448		
IGF-1 Liaison	17	19	nmol/L	(11-36)

Comment on Lab ID 866562448
IGF-1 testing performed on Diasorin Liaison XL.

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

Anti-Mullerian Hormone (AMH)

Anti-Mullerian Hormone (Roche Plus) * 0.3 pmol/L (1.1-53.5)

Comment
The reference interval quoted above for the Roche AMH Plus assay is the
age-related 2.5 - 97.5 percentile.

Generally accepted fertility criteria (not age-related):
< 11.0 pmol/L: Suggestive of reduced ovarian reserve
> 24.0 pmol/L: Indicates the possibility of
1. Polycystic Ovarian Syndrome
2. In post-menopausal females - granulosa cell tumour
3. Increased risk of Ovarian Hyperstimulation
Syndrome in a stimulated cycle

AMH is produced by the granulosa cells of developing follicles, and
provides an estimate of the number of primordial follicles. Particularly
in younger women, a low AMH level does not exclude the possibility of
fertility.

Levels may be decreased in the latter part of the menstrual cycle and by
the OC pill.
High dose biotin (Vitamin B7) can interfere in the AMH Plus assay, causing
a falsely low result. High dose biotin may be used in the treatment of
Multiple Sclerosis, and is present in certain vitamin supplements,
particularly those for hair and nails. If the patient is taking high dose
biotin supplementation (> 5 mg/day) this result may not be accurate, please
repeat this test after at least 3 days off biotin

Please note change in test method from 10/9/2018 from Beckman Access to
Roche AMH Plus, with results now approximately 20% lower. Analytical
results and percentile cutoffs may not be directly comparable between these
methods. For further information please contact Drs Price or Kanowski on
07 3377 8670.

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

Surgery Use

☐ Normal

☐ No Action

☐ Contact
Patient

☐ See
Patient

☐ See File

☐ Continue
Treatment

.....
Signed

.....
Date



Tests Completed: CPLS(s), CA125(s), FSH(s), Oest(s), Prog(s), DHEAS(s), Commenting, FT3(s), FT4(s), Testosterone(s)
Insulin(s), SHBG/FAI(s), IGF-1(s), Thyroid Abs(s), AMH(s), Coeliac Gene(e), IgA(s), IgG(s), IgM(s). **FINAL REPORT**
Clinical Notes: fatigue



DOUGLASS HANLY MOIR PATHOLOGY

Specialist Pathologists (02) 9855 5150 Toll free 1800 222 365
General enquiries (all hours) (02) 9855 5222 Results (02) 9855 5100

Douglass Hanly Moir Pathology Pty Limited ABN 80 003 332 858
a subsidiary of Sonic Healthcare Limited ABN 24 004 196 909 APA 906

Specialist Pathologists

Dr E Ahn
Dr A Aliende
Dr T Bailey
Dr K Baumgart
Dr M Berbic
Dr C Bilo
Dr J Blackwell
Adj Prof F Bonar
Dr A Broadfoot
Dr I Burchett
Dr J Burn
Dr G Caldwell
Dr I Chambers
Dr A Crossin
Prof S Clark
A/Prof H Coleman
Dr S Corbett-Burns
Dr O Crainic
Dr S Darnieco
Adj Prof W Delprado
Dr P Di Ciaccio
Dr J Ding
Dr F D'Souza
Dr M Duzic
Dr M Edwards
Dr S Fairly
Adj Prof A Farnsworth
Dr M Galea
Dr G Gifford
Dr C Goldschmidt

Dr M Gorji
Dr P Guzman
Dr G Hall
Dr F Hanly
Dr T Harvey
Dr R McKinnley
Dr C Ho
Dr L Ho
Dr V Howard
Dr S Hyne
Adj Prof R Jasowski
Dr J Jiang
Dr M Jones
Dr A Khani
Dr L Killen
Dr R Loring
Dr R Livingston
Dr C Lim
Dr L Lin
A/Prof F Maclean
Dr Y Matthews
Dr K McKenzie
Dr R McKinnley
Dr P McQuillan
Dr K Merrick
Dr D Moir
Dr O Mokgwathi
Dr R Montgomery
Dr S Moran
Dr E Morris
Dr A Muljono
Dr E Myint
Dr K Nigad

Dr J Newcombe
Dr I Ngu
Dr H Ogle
Dr J Ortiz
Dr S Patterson
A/Prof N Patmanathan
Dr M Paul
Dr J Pickett
A/Prof J Quinn
Dr D Reddy
Dr J Reddy
Dr R Reynolds
Dr G Rhodes
Dr J Roberts
Dr M Rodriguez
Dr M Roman

Dr S Shchelokov
Dr E Sinclair
Dr V Stoermer
Dr K Tan
Dr I Tang
Dr N Taylor
Dr V Thiruvallangam
Dr C Treback
Dr J Turchani
A/Prof J Turner
Dr A Vassallo-Nunes
A/Prof C Vargas
Dr M Wehrhahn
Dr C Wong
Dr J Wu
Dr K Young

Mrs Jordana Thirlwall

26 WARRINGAH ST
NORTH BALGOWLAH NSW 2093



Ref by: Dr R Neville

Ph: 0299691633

Patient

Jordana THIRLWALL

Lab ID : 866562448 Your Ref : 00355912

26 Warringah St
North Balgowlah 2093

Requested : 15/02/2022
Collected : 25/02/2022 08:56
Received : 25/02/2022 08:59
Printed : 04/03/2022 09:50

DOB : 30/03/1982 (39 Yrs)
Sex : Female
Ph : 0417541720

Genotyping for Coeliac Disease

Specimen type
Method

EDTA blood
Real-time PCR

Result:

Coeliac susceptibility genotype DETECTED
(DQA1*05+, DQA1*02-, DQB1*02+, DQB1*03:02/05-)

Interpretation:

Genotype consistent with the presence of HLA-DQ2.5 antigen. This result is associated with increased risk of coeliac disease.

However, > 50% of the general population has an at-risk genotype, and < 1% of these individuals will develop biopsy-confirmed coeliac disease. Supportive evidence from coeliac serology and smallintestinal biopsy is therefore necessary to make a diagnosis of coeliac disease.

Comment

Test Information:

Qualitative detection of HLA-DQA1*02:01, HLA-DQA1*05:XX, HLA-DQB1*02:XX, HLA-DQB1*03:02/03:05 and HLA-DRB1*04:XX alleles is performed using the GeneFinder HLA-DQ2/DQ8 RealAmp kit (Osang Healthcare). This assay is designed to identify DQ2 (2.2 and 2.5) and DQ8 antigens that are present in more than 95% of individuals with coeliac disease. Some additional rare genotypes consistent with HLA-DQ8 antigen may be detectable by this assay though indistinguishable from HLA-DQB1*03:02/05. False positive results due to cross-reactivity with rare subtypes are possible. Rare subtypes, the presence of additional heterodimers, and zygosity of detected alleles cannot be determined by this assay. A full list of alleles to 4-digit HLA nomenclature detectable by this assay is available on request. References: PMID 25827511; 23981538.

Thyroid Function

Date	21/02/20	03/08/20	06/04/21	06/04/21	Current Result	Units	Reference
Time	08:51	14:44	09:15	09:19	25/02/22		
Lab ID	841947917	846300288	849306006	849306007	08:56		
TSH	0.94	0.81	1.11	1.03	866562448	mIU/L	(0.40-3.50)
Free T4	11.0			12.4	12.8	pmol/L	(9.0-19.0)
Free T3				4.1	4.0	pmol/L	(2.6-6.0)

Comment on Lab ID 866562448

In the absence of pituitary disease, TSH should also be measured to assess thyroid status.

FINAL REPORT

Immunoglobulins

Date	11/03/16	29/03/16	10/08/18	06/04/21	Current Result	Units	Reference
Time	10:25	10:08	11:09	09:19	25/02/22		
Lab ID	248232789	248232041	279646783	849306007	08:56		
IgG		9.80		8.95	8.77	g/L	(6.20-14.40)
IgA	1.83		1.87	1.71	1.72	g/L	(0.60-3.96)
IgM		1.90		1.19	1.46	g/L	(0.40-3.64)

Surgery Use

- ☐ Normal
☐ No Action
☐ Contact Patient
☐ See Patient
☐ See File
☐ Continue Treatment
☐ Signed
Date

Tests Completed: CPLS(s), CA125(s), FSH(s), Oest(s), Prog(s), DHEAS(s), Commenting, FT3(s), FT4(s), Testosterone(s)
Insulin(s), SHBG/FAI(s), IGF-1(s), Thyroid Abs(s), AMH(s), Coeliac Gene(e), IgA(s), IgG(s), IgM(s). **FINAL REPORT**
Clinical Notes: fatigue



DOUGLASS HANLY MOIR PATHOLOGY

Specialist Pathologists (02) 9855 5150 Toll free 1800 222 365

General enquiries (all hours) (02) 9855 5222 Results (02) 9855 5100

Douglass Hanly Moir Pathology Pty Limited ABN 80 003 332 858,
a subsidiary of Sonic Healthcare Limited ABN 24 004 196 909 APA 906

Specialist Pathologists

Dr E Ahn
Dr A Allende
Dr T Bailey
Dr K Baumgart
Dr M Berbic
Dr C Biro
Dr J Blackwell
Adj Prof F Bonar
Dr A Broadfoot
Dr I Burnett
Dr J Burn
Dr G Caldwell
Dr I Chambers
Dr A Cheah
Prof S Clark
A/Prof H Coleman
Dr S Corbett-Burns
Dr O Crainic
Dr S Danieleto
Adj Prof W Delgado
Dr P Di Ciccio
Dr J Ding
Dr F D'Souza
Dr M Duboseq
Dr M Edwards
Dr S Fairly
Adj Prof A Farrarworth
Dr M Galea
Dr G Gilford
Dr C Goldschmidt

Dr M Gorji
Dr P Guzman
Dr G Hall
Dr F Harby
Dr T Harvey
Dr C Ho
Dr L Ho
Dr V Howard
Dr S Hyne
Adj Prof R Jajowski
Dr J Jiang
Dr M Jones
Dr A Khanli
Dr L Killen
Dr R Laing
Dr R Livingston

Dr C Lim
Dr L Lin
A/Prof F Maclean
Dr Y Matthews
Dr J Oatz
Dr K McKenzie
Dr R McKinley
Dr P McQuillen
Dr K Merrick
Dr D Moor
Dr D Molkigwaithi
Dr R Montgomery
Dr S Moran
Dr E Morris
Dr A Muljono
Dr E Myint
Dr K Najad

Dr J Newcombe
Dr I Ngu
Dr H Ogle
Dr J Oatz
Dr S Patremanathan
Dr M Paul
Dr J Pickett
A/Prof J Quinn
Dr D Reddy
Dr J Reddy
Dr R Reynolds
Dr G Rhodes
Dr J Roberts
Dr M Rodriguez
Dr M Roman

Dr S Shchelokov
Dr E Sinclair
Dr V Stoermer
Dr K Tan
Dr I Tang
Dr N Taylor
Dr V Thiruvallangam
Dr C Treback
Dr J Turchini
A/Prof J Turner
Dr A Varallo-Huarez
A/Prof C Vargas
Dr M Wehnhahn
Dr C Wong
Dr J Wu
Dr K Young

Mrs Jordana Thirlwall

26 WARRINGAH ST
NORTH BALGOWLAH NSW 2093



Ref by: Dr R Neville

Ph: 0299691633

Patient

Jordana THIRLWALL

Lab ID : 866562448 Your Ref : 00355912

26 Warringah St
North Balgowlah 2093

Requested : 15/02/2022
Collected : 25/02/2022 08:56
Received : 25/02/2022 08:59
Printed : 04/03/2022 09:50

DOB : 30/03/1982 (39 Yrs)
Sex : Female
Ph : 0417541720

Reproductive Hormones (Abbott Method)

FSH	28.9	IU/L	
Oestradiol	90	pmol/L	
Progesterone	5.1	nmol/L	
DHEAS	3.9	umol/L	(2.4-13)

Comment

FSH	Basal	1.5 - 10.0
	Mid cycle peak	7.0 - 22.0
	Post-menopausal	25 - 130.0
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

Combined results consistent with ovarian hypofunction.

Caeruloplasmin (Abbott Architect Method)

Caeruloplasmin 0.28 g/L (0.17-0.43)

Insulin	Date	Time	Lab ID	Current Result	Units	Reference
	06/04/21	09:15	849306006	25/02/22 08:56 866562448		
F Insulin	3			2	mU/L	(0-20)

Comment on Lab ID 866562448

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.

Tumour Markers

Date	Time	Lab ID	CA125 (Abbott)	Current Result	Units	Reference
18/12/17	09:19	267994416	7	25/02/22 08:56 866562448		
				6	U/mL	(<36)

Comment on Lab ID 866562448

CA 125 is within reference limits. A normal result does not exclude neoplasia.

Surgery Use



Normal



No Action



Contact
Patient



See
Patient



See File



Continue
Treatment

Signed

Date



Tests Completed: CPLS(s), CA125(s), FSH(s), Oest(s), Prog(s), DHEAS(s), Commenting, FT3(s), FT4(s), Testosterone(s)
Insulin(s), SHBG/FAI(s), IGF-1(s), Thyroid Abs(s), AMH(s), Coeliac Gene(e), IgA(s), IgG(s), IgM(s). **FINAL REPORT**

Clinical Notes: fatigue



DOUGLASS HANLY MOIR PATHOLOGY

Specialist Pathologists (02) 9855 5150 Toll free 1800 222 365

General enquiries (all hours) (02) 9855 5222 Results (02) 9855 5100

Douglass Hanly Moir Pathology Pty Limited ABN 80 003 332 858,
a subsidiary of Sonic Healthcare Limited ABN 24 004 196 909 APA 906

Specialist Pathologists

Dr E Ahn
Dr A Allende
Dr T Ballie
Dr K Baumgart
Dr M Berbic
Dr C Bero
Dr J Blackwell
Adj Prof F Bonar
Dr A Broadfoot
Dr I Burchett
Dr J Burn
Dr G Caldwell
Dr I Chambers
Dr A Chesh
Prof S Clark
A/Prof H Coleman
Dr S Corbett Burns
Dr O Crainic
Dr S Danieleto
Adj Prof W Delprado
Dr P Di Ciaccio
Dr J Ding
Dr F D'Souza
Dr M Dubosq
Dr M Edwards
Dr S Fairly
Adj Prof A Farnsworth
Dr M Galea
Dr G Gifford
Dr R Goldschmidt

Dr M Gogji
Dr P Guzman
Dr G Hall
Dr F Hanly
Dr T Harvey
Dr C Ho
Dr L Ho
Dr V Howard
Dr S Hynes
Adj Prof R Jaworski
Dr J Jiang
Dr M Jones
Dr A Khani
Dr L Killen
Dr R Laing
Dr R Livingston

Dr C Lim
Dr L Lin
A/Prof F Maclean
Dr Y Matthews
Dr K McKenzie
Dr R McKinlay
Dr P McQuillan
Dr K Menick
Dr O Moir
Dr O Mokgwathi
Dr R Montgomerie
Dr S Moran
Dr E Morris
Dr A Muljono
Dr E Myint
Dr K Nejad

Dr J Newcombe
Dr I Ngu
Dr H Ogile
Dr J Ortiz
Dr S Patfreeman
A/Prof N Pathmanathan
Dr M Paul
Dr J Pickett
A/Prof J Quinn
Dr D Reddy
Dr J Reddy
Dr R Reynolds
Dr G Rhodes
Dr J Roberts
Dr M Rodriguez
Dr M Roman

Dr S Shchelokov
Dr E Sinclair
Dr V Stoermer
Dr K Tan
Dr I Tang
Dr N Taylor
Dr V Thiruvilangam
Dr C Treback
Dr J Turchini
A/Prof J Turner
Dr A Varallo-Nunez
A/Prof C Vargas
Dr M Wehthahn
Dr C Wong
Dr J Wu
Dr K Young

Patient

Jordana THIRLWALL

Lab ID : **866562448** Your Ref : **00355912**

26 Warringah St
North Balgowlah 2093

Requested : 15/02/2022
Collected : 25/02/2022 08:56
Received : 25/02/2022 08:59
Printed : 04/03/2022 09:50

DOB : 30/03/1982 (39 Yrs)
Sex : Female
Ph : 0417541720

Androgens

Date	16/01/19	25/11/19
Time	11:47	08:47
Lab ID	295005536	299328142
Testosterone	*0.1	0.9
SHBG	*126	
FAI	*0.1	

Current Result

25/02/22
08:56
866562448
0.5
83
0.6

Units Reference

nmol/L (0.2-1.8)
nmol/L (30-110)
% (0.3-4.0)

Tg &/or Thy Ab

Date	06/03/18	06/04/21
Time	11:06	09:19
Lab ID	268283622	849306007
Anti-Tg (Abbott)	1.6	1.5
Anti-TPO (Abbott)	0.5	0.2

Current Result

25/02/22
08:56
866562448
1.0
0.2

Units Reference

IU/mL (<4.1)
IU/mL (<5.6)

Surgery Use

Normal

No Action

Contact Patient

See Patient

See File

Continue Treatment

Signed

Date



Tests Completed: CPLS(s), CA125(s), FSH(s), Oest(s), Prog(s), DHEAS(s), Commenting, FT3(s), FT4(s), Testosterone(s), Insulin(s), SHBG/FAI(s), IGF-1(s), Thyroid Abs(s), AMH(s), Coeliac Gene(e), IgA(s), IgG(s), IgM(s). **FINAL REPORT**

Clinical Notes: fatigue