



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

Dr E Ahn Dr S Corbett-Burns Dr P Guzman Dr C Lim Dr J Newcombe Dr E Sinclair
Dr A Allende Dr O Crainic Dr F Hall Dr L Lin Dr V Stoecker Dr V Stoermer
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Dr J Blackwell Dr M Dubosq Dr S Hyne Dr D Merrick A/Prof J Quin Dr J Turchini
Adj Prof F Bonar Dr M Edwards Adj Prof R Jaworski Dr D Reddy A/Prof J Turner
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Prof S Clark Dr R Laing Dr R Levingston A/Prof E Myint Dr M Roman Dr K Young
A/Prof H Coleman Dr M Gorji Dr R Levingston Dr K Nejad Dr S Shchelokov

Patient

Mrs Janice Rae Benson-Sattout

38 MCMILLIAN CIRCUIT
NORTH KELLYVILLE NSW 2155



Ref by: Dr A Sinclair

Ph: 0291446302

Janice Rae BENSON-SATTOUT

Lab ID : **867713060** Your Ref : **00129874**

38 McMillian Circuit
North Kellyville 2155

Requested : 05/05/2022
Collected : 25/08/2022 10:33
Received : 25/08/2022 10:35
Printed : 29/08/2022 09:50

DOB : 28/04/1962 (60 Yrs)
Sex : Female
Ph : 0407431048

Haematology

Date	15/10/21	04/02/22	01/04/22	10/06/22	Current Result	Units	Reference
Time	11:03	11:03	10:53	07:56	25/08/22		
Lab ID	863769009	865661212	869165784	881319101	10:33		
					867713060		
Haemoglobin	145	137	131	131	137	g/L	(119-160)
RCC	4.7	4.5	4.3	4.3	4.5	x10 ¹² /L	(3.8-5.8)
Haematocrit	0.42	0.42	0.39	0.40	0.41		(0.35-0.48)
MCV	91	92	91	92	92	fL	(80-100)
MCH	31.1	30.4	30.3	30.4	30.7	pg	(27.0-32.0)
MCHC	343	330	334	332	333	g/L	(310-360)
RDW	13.1	13.3	13.6	13.6	13.3		(10.0-15.0)
WCC	6.8	6.3	6.4	4.1	6.9	x10 ⁹ /L	(4.0-11.0)
Neutrophils	4.74	3.67	3.78	2.34	5.20	x10 ⁹ /L	(2.0-7.5)
Lymphocytes	1.40	1.73	1.72	1.16	*0.85	x10 ⁹ /L	(1.0-4.0)
Monocytes	0.54	0.61	0.66	0.47	0.56	x10 ⁹ /L	(0.0-1.0)
Eosinophils	0.07	0.17	0.12	0.11	0.25	x10 ⁹ /L	(0.0-0.5)
Basophils	0.08	0.09	0.09	0.06	0.08	x10 ⁹ /L	(0.0-0.3)
NRBC	<1.0	<1.0	<1.0	<1.0	<1.0	/100 WBC	(<1)
Platelets	267	257	255	228	229	x10 ⁹ /L	(150-450)
ESR		26	10			mm/h	(1-35)

Comment on Lab ID 867713060
Mild lymphopenia

CRP (High Sens)

Date	08/10/21	04/02/22	01/04/22	10/06/22	Current Result	Units	Reference
Time	16:45	11:03	10:53	07:56	25/08/22		
Lab ID	865135102	865661212	869165784	881319101	10:33		
					867713060		
CRP	1.6	1.6	1.4	0.8	0.8	mg/L	(0.0-5.0)

Surgery
Use

☐
Normal

☐
No Action

☐
Contact
Patient

☐
See
Patient

☐
See File

☐
Continue
Treatment

Signed

Date

Tests Completed: B12(s), LFT(s), C(s), UCreat(s), E(s), Glu(p), Phos(s), UA(s), HDL & LIPIDS, Ca(s), Ferr(s), CRP(s), Mg(s)
Vit D(s), TSH(s), HbA1c Diag(e), FBC(e). **FINAL REPORT**

Clinical Notes: FASTING



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Patient

Mrs Janice Rae Benson-Sattout

38 MCMILLIAN CIRCUIT
NORTH KELLYVILLE NSW 2155



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Ph: 0291446302

Janice Rae BENSON-SATTOUT

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DOB : 28/04/1962 (60 Yrs)
Sex : Female
Ph : 0407431048

Biochemistry

Date	04/02/22	01/04/22	10/06/22	27/07/22	Current Result	Units	Reference
Time	11:03	10:53	07:56	08:49	25/08/22		
Lab ID	865661212	869165784	881319101	847723877	10:33		
Status				Fasting	867713060		
Sodium	138	139	136		141	mmol/L	(135-145)
Potassium	4.1	3.6	4.0		4.6	mmol/L	(3.5-5.5)
Chloride	103	101	103		103	mmol/L	(95-110)
Bicarbonate	26	26	25		28	mmol/L	(20-32)
Urea	4.6	3.9	3.3		3.9	mmol/L	(3.0-8.5)
Creatinine	60	50	55		55	umol/L	(45-85)
eGFR	>90	>90	>90		>90	mL/min/1.73m2	(>59)
Urate					0.24	mmol/L	(0.15-0.40)
Calcium	2.45	2.30	2.44		2.51	mmol/L	(2.15-2.55)
Corr Calcium	2.39	2.26	2.42		2.43	mmol/L	(2.15-2.55)
Magnesium	0.80	0.77	0.75		0.77	mmol/L	(0.65-1.00)
Phosphate	1.12	1.13	1.29		1.19	mmol/L	(0.8-1.5)
Bili.Total	10	11	8		8	umol/L	(3-15)
ALP	*118	114	104		113	U/L	(30-115)
GGT	*51	*53	31		24	U/L	(5-35)
LD	189	215	181		162	U/L	(120-250)
AST	*40	35	*36		25	U/L	(10-35)
ALT	*72	*70	*35		*32	U/L	(5-30)
Total Protein	75	71	70		74	g/L	(64-83)
Albumin	46	45	44		47	g/L	(36-47)
Globulin	29	26	26		27	g/L	(23-39)
Cholesterol				*5.8	5.4	mmol/L	(<5.5)
Triglycerides				0.9	0.6	mmol/L	(<2.0)

Comment on Lab ID 867713060

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

Glucose

Date	26/10/20	30/11/20	28/07/21	08/10/21	Current Result	Units	Reference
Time	08:08	08:00	08:30	16:45	25/08/22		
Lab ID	845375701	847920338	863202569	865135102	10:33		
F Gluc Plasma	4.8	4.3	4.6		867713060		
R Gluc Plasma				5.8	4.6	mmol/L	(3.6-6.0)
						mmol/L	(3.6-7.7)

Iron Studies

Date	08/10/21	04/02/22	01/04/22	10/06/22	Current Result	Units	Reference
Time	16:45	11:03	10:53	07:56	25/08/22		
Lab ID	865135102	865661212	869165784	881319101	10:33		
Iron		20.8	20.6	17.5	867713060		
Transferrin		3.0	2.8	2.5		umol/L	(5.0-30.0)
TIBC (Calc)		66	62	56		g/L	(2.0-3.2)
Saturation		32	33	31		umol/L	(46-70)
Ferritin	87	82	106	126	104	%	(10-45)
						ug/L	(30-300)

Thyroid Function

Date	01/07/21	28/07/21	08/10/21	27/07/22	Current Result	Units	Reference
Time	08:18	08:30	16:45	08:49	25/08/22		
Lab ID	861785843	863202569	865135102	847723877	10:33		
TSH	1.97	0.66	1.30	*0.33	867713060		
Free T4	15.3			16.7	0.47	mIU/L	(0.40-4.00)
Free T3	4.5			3.9		pmol/L	(9.0-19.0)
						pmol/L	(2.6-6.0)

Surgery Use

☐ Normal

No Action

☐ Contact Patient

☐ See Patient

☐ See File

☐ Continue Treatment

Signed

Date



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Janice Rae BENSON-SATTOUT

Lab ID : 867713060 Your Ref : 00129874

38 McMillian Circuit
North Kellyville 2155

DOB : 28/04/1962 (60 Yrs)
Sex : Female
Ph : 0407431048

Patient

Requested : 05/05/2022
Collected : 25/08/2022 10:33
Received : 25/08/2022 10:35
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B12/Folate/RCF

Date	28/07/21	08/10/21	04/02/22	01/04/22	Current Result	Units	Reference
Time	08:30	16:45	11:03	10:53	25/08/22		
Lab ID	863202569	865135102	865661212	869165784	10:33		
Vitamin B12	*828	*677	*706	634	867713060		
S.Fol (Abbott)			34.7	38.0	496	pmol/L	(135-650)
						nmol/L	(>7.0)

Comment on Lab ID 867713060

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.

Lipids and HDL

Date	07/08/15	26/10/20	30/11/20	27/07/22	Current Result	Units	Reference
Time	10:45	08:08	08:00	08:49	25/08/22		
Lab ID	283954041	845375701	847920338	847723877	10:33		
Status	Fasting	Fasting	Fasting	Fasting	867713060		
Cholesterol	*6.2	*5.9	5.1	*5.8	Fasting		
Triglycerides	0.5	0.6	0.9	0.9	5.4	mmol/L	(<5.5)
HDL Chol.	1.8	2.0	1.6	1.6	0.6	mmol/L	(<2.0)
LDL Chol.	*4.2	*3.6	3.1	*3.8	1.8	mmol/L	(>1.2)
Non-HDL Chol.					*3.3	mmol/L	(<3.0)
					3.6	mmol/L	(<4.0)

Comment on Lab ID 867713060

Please note that the above reference limits are decision limits. A flag based on these limits is an indication to review the absolute cardiovascular risk for the patient. For assessment of absolute cardiovascular disease risk please see www.cvdcheck.org.au

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

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

Total cholesterol	<4.0 mmol/L
Triglyceride	<2.0 mmol/L
HDL cholesterol	>1.0 mmol/L
LDL cholesterol	<2.5 mmol/L (<1.8 mmol/L for very high risk)
Non-HDL cholesterol	<3.3 mmol/L (<2.5 mmol/L for very high risk)

High risk - Primary prevention Very high risk - Secondary prevention

Target values from the AACB Lipid Reporting Guideline 2018.

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

Lipid reporting was updated on 25/08/2022 with new reference limits for patients >= 10 years old, revised treatment targets and the addition of a non-HDL cholesterol result.

Surgery Use



Normal



No Action



Contact Patient



See Patient



See File



Continue Treatment

Signed

Date



Accredited for compliance with NPAAC standards and ISO 15189.

NATA Accreditation No. 2178

Tests Completed: B12(s), LFT(s), C(s), UCreat(s), E(s), Glu(p), Phos(s), UA(s), HDL & LIPIDS, Ca(s), Ferr(s), CRP(s), Mg(s)

Clinical Notes: Vit D(s), TSH(s), HbA1c Diag(e), FBC(e). **FINAL REPORT**

FASTING



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DOB : 28/04/1962 (60 Yrs)
Sex : Female
Ph : 0407431048

25-OH Vitamin D

Date	21/06/14	01/07/21	28/07/21	08/10/21	Current Result	Units	Reference
Time	09:02	08:18	08:30	16:45	25/08/22 10:33		
Lab ID	264541006	861785843	863202569	865135102	867713060		
Vitamin D	96	104	96	87	96	nmol/L	(50-140)

Comment on Lab ID 867713060

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.

HbA1c

Date	03/03/20	28/07/21	08/10/21	Current Result	Units	Reference
Time	07:47	08:30	16:45	25/08/22 10:33		
Lab ID	299807941	863202569	865135102	867713060		
HbA1c (IFCC)	36	36			mmol/mol	(20-38)
HbA1c	5.4	5.4			%	(4.0-5.6)
HbA1c (IFCC)			38	37	mmol/mol	(20-38)
HbA1c (NGSP)			5.6	5.5	%	(4.0-5.6)

Comment on Lab ID 867713060

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 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