MELBOURNE PATHOLOGY
Quality is in our DNA

Referred by : DR KIM HAYES
Reporting Lab : (2133) 103 Victoria Pde, Collingwood, Vic,
Requested : 27/03/2019
Collected : **30/03/2019 @ 0959** 1/1

URGENT PATHOLOGY REPORT
This report is intended for the referrer specified below and its contents are confidential. If you have received this document in error, please telephone Melbourne Pathology immediately on 03 92877952.

Lab ID: 351539855
UR: 351539855
MISS HEWAT, Dominique
1/26 LOWER PLENTY RD
ROSANNA VIC 3084

Patient tel#: 0439856335
DOB: 27/09/1992 SEX: F 26Y

To: **DR KIM HAYES**
THRIVE MEDICAL WELLNESS
389 WATTLETREE RD
MALVERN EAST VIC 3145

C L I N I C A L C H E M I S T R Y

Date	11/02/15	01/07/15	22/11/17	**30/03/19**		
Time F-Fast	1115	1340	1351	**0959 F**		
Lab Id.	327660601	329424639	345943967	**351539855**	Units	Reference
S 25OH VIT D	83	65	66	**64**	nmol/L	(50-250)

Comments on Lab Id. 351539855 30/03/19 0959
VITD
Vitamin D levels should ideally be above 50 nmol/L in winter and 70 nmol/L in summer. Levels above 75 nmol/L may be desirable in people with osteoporosis or falls.

From 1st November 2014, Medicare rebates for vitamin D testing will continue to be available for patients at risk of Vitamin D deficiency such as all those with chronic lack of sun exposure. Further information is available at:
http://www.msac.gov.au/internet/msac/publishing.nsf/Content/0014r-public

7100

Tests Requested: SE-VITD,ZN*

NORMAL / TEL / APPT / FILE
Pathologist: Dr Ken Sikaris
9287 7777

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Zinc

Date	**30/03/19**		
Time F-Fast	**0959 F**		
Lab Id.	**351539855**	Units	Reference
P-Zinc	**11.7**	umol/L	(9.0-19.0)

(16-19)

SULLIVAN NICOLAIDES

Tests Requested: SE-VITD,ZN*

NORMAL / TEL / APPT / FILE
Pathologist: Results: 9287 7777
General: 9287 7700

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Lab ID: 351631179
UR: 351631179
MISS HEWAT, Dominique
1/26 LOWER PLENTY RD
ROSANNA VIC 3084

Patient tel#: 0439856335
DOB: 27/09/1992 SEX: F 26Y

To: **DR KIM HAYES**
THRIVE MEDICAL WELLNESS
389 WATTLETREE RD
MALVERN EAST VIC 3145

THYROID FUNCTION TESTS - SERUM

Date	11/02/15	01/07/15	22/11/17	**30/03/19**		
Time F-Fast	1115	1340	1351	**0952 F**		
Lab Id.	327660601	329424639	345943967	**351631179**	Units	Reference
S TSH(Roche)	1.74	1.42	1.55	**1.26**	mU/L	(0.5-5.0)
S TgAb				**<10**	IU/mL	(<115)
S TPOAb				**<10**	IU/mL	(<35)

Comments on Lab Id. 351631179 30/03/19 0952
TSH
A normal TSH is consistent with an euthyroid state.

PLEASE NOTE: High dose biotin (>5 mg/day) may artefactually decrease the TSH result obtained by this method. If the patient is taking high dose biotin and interference needs to be excluded, please contact Chemical Pathologists on 9287 7720.

CLINICAL CHEMISTRY

Tests Requested: SE-IS,SE-TSH,SE-EUC,SE-LFT,SE-CRP,SE-AB12,SE-B12,SE-ATPO,SE-

NORMAL / TEL / APPT / FILE
Pathologist: Dr Ken Sikaris
9287 7777

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Reporting Lab : (2133) 103 Victoria Pde, Collingwood, Vic,
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To: **DR KIM HAYES**
THRIVE MEDICAL WELLNESS
389 WATTLETREE RD
MALVERN EAST VIC 3145

B12/FOLATE

Date	11/02/15	01/07/15	**30/03/19**		
Time F-Fast	1115	1340	**0952 F**		
Lab Id.	327660601	329424639	**351631179**	Units	Reference
S FOL		22.7		nmol/L	(>7.0)
S Active B12	67	89	**31**	pmol/L	(23-100)
S Total B12	216		**111 L**	pmol/L	(200-700)

Comments on Lab Id. 351631179 30/03/19 0952
AB12
Active Vitamin B12 (Holo-transcobalamin) in low-normal range with a low total B12 indicates this patient is probably vitamin B12 deficient. Consider fasting homocysteine for further clarification if clinically indicated.

CLINICAL CHEMISTRY

Tests Requested: SE-IS,SE-TSH,SE-EUC,SE-LFT,SE-CRP,SE-AB12,SE-B12,SE-ATPO,SE-

NORMAL / TEL / APPT / FILE
Pathologist: Dr Ken Sikaris
9287 7777

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389 WATTLETREE RD
MALVERN EAST VIC 3145

Date	**30/03/19**		
Time F-Fast	**0952 F**		
Lab Id.	**351631179**	Units	Reference
P Homocyst.	**7**	umol/L	(5-12)

C L I N I C A L C H E M I S T R Y

Tests Requested: SE-IS,SE-TSH,SE-EUC,SE-LFT,SE-CRP,SE-AB12,SE-B12,SE-ATPO,SE-

NORMAL / TEL / APPT / FILE
Pathologist: Dr Ken Sikaris
9287 7777

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Patient tel#: 0439856335
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To: **DR KIM HAYES**
THRIVE MEDICAL WELLNESS
389 WATTLETREE RD
MALVERN EAST VIC 3145

MULTIPLE BIOCHEMICAL ANALYSIS

Date	11/02/15	01/07/15	22/11/17	**30/03/19**		
Time F-Fast	1115	1340	1351	**0952 F**		
Lab Id.	327660601	329424639	345943967	**351631179**	Units	Reference
S SODIUM	140	141	142	**138**	mmol/L	(135-145)
S POTASSIUM	4.1	4.0	3.9	**4.1**	mmol/L	(3.5-5.5)
S CHLORIDE	102	103	106	**104**	mmol/L	(95-110)
S BICARB.	24	23	25	**25**	mmol/L	(20-32)
S UREA	3.4	3.3	3.0	**3.6**	mmol/L	(2.5-6.5)
S CREAT.	54	57	59	**62**	umol/L	(45-85)
eGFR	>90	>90	>90	**>90**		
S T-BIL.	5	9	8	**18 H**	umol/L	(3-15)
S ALP	56	53	45	**50**	U/L	(20-105)
S GGT	14	13	12	**12**	U/L	(5-35)
S ALT	14	16	8	**10**	U/L	(5-30)
S AST	11	13	14	**12**	U/L	(10-35)
S T-PROTEIN	72	74	71	**69**	g/L	(64-81)
S ALBUMIN	41	43	43	**41**	g/L	(33-46)
S GLOBULIN	31	31	28	**28**	g/L	(26-41)
S CALCIUM		2.40			mmol/L	(2.15-2.55)
S PHOSPHATE		1.28			mmol/L	(0.8-1.5)
S MAGNESIUM		0.86			mmol/L	(0.70-1.05)
S CK			49		U/L	(30-150)
S IRON		15	12	**24**	umol/L	(5-30)
S TRF		2.9	2.5	**2.6**	g/L	(2.0-3.6)
S TRF SAT.		21	19	**37**	%	(10-45)
S FERRITIN	56	50	69	**82**	ng/mL	(30-200)
S GLU(RAND)	5.4	5.4			mmol/L	(3.6-7.7)
S CA (Corr)		2.34			mmol/L	(2.15-2.55)

Comments on Lab Id. 351631179 30/03/19 0952
EUC
eGFR is greater than 90 mL/min/1.73m2. No evidence of kidney disease.

CLINICAL CHEMISTRY

Tests Requested: SE-IS,SE-TSH,SE-EUC,SE-LFT,SE-CRP,SE-AB12,SE-B12,SE-ATPO,SE-

NORMAL / TEL / APPT / FILE
Pathologist: Dr Ken Sikaris
9287 7777

MELBOURNE PATHOLOGY
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Reporting Lab : (2133) 103 Victoria Pde, Collingwood, Vic,
Requested : 27/03/2019
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ROSANNA VIC 3084

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To: **DR KIM HAYES**
THRIVE MEDICAL WELLNESS
389 WATTLETREE RD
MALVERN EAST VIC 3145

MTHFR Genotyping

Specimen	EDTA Blood
MTHFR C677T	Mutation Not Detected
MTHFR A1298C	Heterozygous Mutation Detected

Please note these variants are known as c.665C>T, p.Ala222Val and c.1286A>C, p.Glu429Ala, according to HGVS nomenclature; RefSeqGene: NM_005957.4.

This patient is heterozygous for the A1298C variant of the MTHFR gene (c.1286A>C). Heterozygosity for this variant is common, occurring in approximately 35-40% of the population. Heterozygosity for this variant has not been shown to be associated with increased risk of thrombotic disease.

Test Information:

Testing was carried out by real-time PCR for two variants of the MTHFR gene, c.665C>T (p.Ala222Val, also known as "C677T") and c.1286A>C (p.Glu429Ala, also known as "A1298C").

NPAAC guidelines suggest that corroboration of genetic test results should be considered - e.g. by reference to other clinical or laboratory information or by repeat testing - as genetic tests may have medical implications for both the patient and their genetic relatives.
For clinician enquiries regarding these results, please contact Dr James Harraway (07 3377 8666).
This test performed by Sullivan and Nicolaides Pathology, a member of the Sonic Healthcare Group.

SULLIVAN NICOLAIDES

Tests Requested: SE-IS,SE-TSH,SE-EUC,SE-LFT,SE-CRP,SE-AB12,SE-B12,SE-ATPO,SE-

NORMAL / TEL / APPT / FILE
Pathologist: Results: 9287 7777
General: 9287 7700
FILE PERMANENTLY

MELBOURNE PATHOLOGY
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To: **DR KIM HAYES**
THRIVE MEDICAL WELLNESS
389 WATTLETREE RD
MALVERN EAST VIC 3145

HAEMATOLOGY

Date	11/02/15	01/07/15	22/11/17	24/08/18	**30/03/19**		
Time F-Fast	1115	1340	1351	1129	**0952 F**		
Lab Id.	327660601	329424639	345943967	348400178	**351631179**	Units	Reference
HAEMOGLOBIN	136	137	132	137	**131**	g/L	(115-160)
Hct	0.42	0.42	0.42	0.42	**0.39**		(0.35-0.47)
RBC	4.9	4.8	4.7	4.7	**4.5**	x10^12/L	(3.7-5.2)
MCV	87	87	90	89	**88**	fL	(80-100)
MCH	28	28	28	29	**29**	pg	(27-34)
MCHC	322	326	312	326	**332**	g/L	(310-360)
RDW	13.3	12.6	12.8	12.3	**12.4**		(11-17)
PLATELETS	283	253	252	257	**236**	x 10^9/L	(150-450)
WHITE CELLS	6.8	9.1	5.5	5.6	**6.0**	x10^9/L	(4.0-11.0)
Neutrophils	4.6	6.8	3.3	3.3	**3.7**	x10^9/L	(2.0-7.5)
Lymphocytes	1.6	1.8	1.7	1.9	**1.7**	x10^9/L	(1.0-4.0)
Monocytes	0.5	0.5	0.4	0.4	**0.5**	x10^9/L	(0-1.0)
Eosinophils	0.1	0.0	0.2	0.1	**0.1**	x10^9/L	(0-0.5)
Basophils	0.0	0.0	0.0	0.0	**0.0**	x10^9/L	(0-0.3)
ESR	3	5	**1 L**	**1 L**	**3**	mm/hr	(3-12)

FBE Specimen - EDTA
ESR EDTA specimen

HAEMATOLOGY

Tests Requested: SE-IS,SE-TSH,SE-EUC,SE-LFT,SE-CRP,SE-AB12,SE-B12,SE-ATPO,SE-

NORMAL / TEL / APPT / FILE
Pathologist: Dr Ellen Maxwell
9287 7777

MELBOURNE PATHOLOGY
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THRIVE MEDICAL WELLNESS
389 WATTLETREE RD
MALVERN EAST VIC 3145

Date	**30/03/19**		
Time F-Fast	**0952 F**		
Lab Id.	**351631179**	Units	Reference
Creat R-U	**3.0**	mmol/L	
R-U-Iodine	**14 L**	ug/L	(>100)

Comments on Lab Id. 351631179 30/03/19 0952
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

NHMRC recommends supplementation of 150ug/day of Iodine to ensure that all women who are pregnant, breastfeeding or considering pregnancy have adequate iodine status. Women should not take kelp (seaweed) supplements or kelp based products because they may contain varying levels of iodine and may be contaminated with heavy metals such as mercury.
This test performed by Sullivan and Nicolaides Pathology, a member of the Sonic Healthcare Group.

SULLIVAN NICOLAIDES

Tests Requested: SE-IS,SE-TSH,SE-EUC,SE-LFT,SE-CRP,SE-AB12,SE-B12,SE-ATPO,SE-

NORMAL / TEL / APPT / FILE
Pathologist: Results: 9287 7777
General: 9287 7700

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Time F-Fast	1340	1351	1129	**0952 F**		
Lab Id.	329424639	345943967	348400178	**351631179**	Units	Reference
S CRP	<1	<1	<1	**<1**	mg/L	(<5)

CLINICAL CHEMISTRY

Tests Requested: SE-IS,SE-TSH,SE-EUC,SE-LFT,SE-CRP,SE-AB12,SE-B12,SE-ATPO,SE-

NORMAL / TEL / APPT / FILE
Pathologist: Dr Ken Sikaris
9287 7777

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Anti-Nuclear Antibodies

ANA	**Detected** *
Titre, Pattern	1:80 Speckled

Speckled patterns occur in SLE, mixed connective tissue disease, systemic sclerosis, Sjogren's syndrome and other connective tissue disorders.
Suggest anti dsDNA antibodies and anti ENA antibodies on a new specimen if not already requested and clinically indicated.

IMMUNOSEROLOGY

Tests Requested: SE-IS,SE-TSH,SE-EUC,SE-LFT,SE-CRP,SE-AB12,SE-B12,SE-ATPO,SE-

NORMAL / TEL / APPT / FILE
Pathologist: Drs G Unglik & J Bosco
92877758