

MOUZAKIS, MELISSA
50 NORTH RD, AVONDALE HEIGHTS. 3034
Birthdate: 19/10/1991 **Sex:** F **Medicare Number:** 34964992431
Your Reference: **Lab Reference:** 24-50500138-LIP-0
Laboratory: DOREVITCH PATHOLOGY
Addressee: DR AMY ZHE LIU **Referred by:** DR AMY Z LIU

Name of Test: LIPID STUDIES
Requested: 27/10/2023 **Collected:** 01/03/2024 **Reported:** 01/03/2024
18:17

SERUM/PLASMA LIPID STUDIES - Fasting

Total Chol:	6.0 mmol/L
Triglyceride:	1.1 mmol/L
HDL - C:	1.2 mmol/L
LDL - C:	4.3 mmol/L
NON HDL - C:	4.8 mmol/L
Chol/HDL Ratio:	5.0

Therapeutic targets vary depending on the patient's cardiovascular risk profile.

	T.Chol	Trig	HDL-C	LDL-C	Non HDL-C
Primary Prevention:	<4.0	<2.0	>=1.0	<2.0	<2.5
Secondary Prevention:		<2.0	>=1.0	<1.8	<2.5

National Vascular Disease Prevention Alliance Guidelines 2012.
<http://strokefoundation.com.au>

National Heart Foundation Guidelines 2012.
<http://www.heartfoundation.org.au>

Note: The Chol/HDL ratio reflects changes in VLDL, LDL and HDL, with high values indicating an increased risk of atherosclerosis.
Target values < 3.5 are sometimes recommended for people with known vascular disease or others at high risk.

In this patient the cholesterol level and ratio suggest an increased risk of CHD.

Target LDL is less than 2.0 mmol/L in people with

- A personal or strong family history of vascular disease
- Diabetes
- Aboriginal or Torres Strait Islander ancestry

Requested Tests : URC*, UMA*, VID*, GHb, FES*, MBI*, LIP, FBE, BFO*

MOUZAKIS, MELISSA
50 NORTH RD, AVONDALE HEIGHTS. 3034
Birthdate: 19/10/1991 **Sex:** F **Medicare Number:** 34964992431
Your Reference: **Lab Reference:** 24-50500138-MBI-0
Laboratory: DOREVITCH PATHOLOGY
Addressee: DR AMY ZHE LIU **Referred by:** DR AMY Z LIU

Name of Test: GENERAL BIOCHEMISTRY
Requested: 27/10/2023 **Collected:** 01/03/2024 **Reported:** 01/03/2024
18:19

SERUM/PLASMA BIOCHEMISTRY

		Ref.Range	
Sodium :	138 mmol/L	(135-145)	
Potassium :	4.3 mmol/L	(3.5-5.2)	
Chloride :	106 mmol/L	(95-110)	
Bicarbonate :	27 mmol/L	(22-32)	
Urea :	4.2 mmol/L	(2.3-7.6)	
Est.GFR (mL/min) :	> 90 per 1.73sqm	(> 60)	
Creatinine :	61 umol/L	(40-90)	
Total Bilirubin :	7 umol/L	(< 20)	
Ala. Aminotransferase (ALT) :	33 U/L	(< 30)	*
Asp. Aminotransferase (AST) :	17 U/L	(< 30)	
Alkaline Phosphatase (ALP) :	104 U/L	(30-110)	
Gamma Glutamyl Trans. (GGT) :	40 U/L	(< 30)	*
Total Protein :	76 g/L	(60-80)	
Albumin :	40 g/L	(36-49)	
Globulin :	36 g/L	(22-40)	

Requested Tests : URC*, UMA*, VID, GHB, FES*, MBI, LIP, FBE, BFO*

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Birthdate: 19/10/1991 **Sex:** F **Medicare Number:** 34964992431
Your Reference: **Lab Reference:** 24-50500138-URC-0
Laboratory: DOREVITCH PATHOLOGY
Addressee: DR AMY ZHE LIU **Referred by:** DR AMY Z LIU

Name of Test: URINE MICROSCOPY
Requested: 27/10/2023 **Collected:** 01/03/2024 **Reported:** 03/03/2024
 18:09

URINE EXAMINATION:

PHASE CONTRAST		CHEMISTRY	
Epith.Squames..	< 1 x10 ⁶ /L (N <10)	pH 6.5	Glucose Neg
Polymorphs.....	20 x10 ⁶ /L (N <10)	Protein Neg	Ketones Neg
Erythrocytes...	< 1 x10 ⁶ /L (N <10)	Blood/Hb Neg	
No casts or crystals seen (unspun urine).			

CULTURE Pending

Requested Tests : URC*, UMA, VID, GHB, FES, MBI, LIP, FBE, BFO

MOUZAKIS, MELISSA
 50 NORTH RD, AVONDALE HEIGHTS. 3034
Birthdate: 19/10/1991 **Sex:** F **Medicare Number:** 34964992431
Your Reference: **Lab Reference:** 24-50500138-FBE-0
Laboratory: DOREVITCH PATHOLOGY
Addressee: DR AMY ZHE LIU **Referred by:** DR AMY Z LIU

Name of Test: FULL BLOOD EXAMINATION
Requested: 27/10/2023 **Collected:** 01/03/2024 **Reported:** 01/03/2024
 15:08

FULL BLOOD EXAMINATION

HB :	138 g/L	(115-165)	WHITE CELL COUNT:	8.3 (x10 ⁹ /L)	8.3 (4.0-11.0)
PCV:	0.43 L/L	(0.37-0.47)	Neutrophils:	60%	5.0 (2.0-8.0)
RCC:	4.82 x10 ¹²	/L (3.80-5.80)	Lymphocytes:	32%	2.7 (1.0-4.0)

MCV: 89 fL (80-96) Monocytes : 6% 0.5 (0.0-1.0)
MCH: 29 pg (27-32) Eosinophils: 1% 0.1 (0.0-0.5)
MCHC 321 g/L (320-360) Basophils : 1% 0.1 (0.0-0.2)
RDW: 12.6 % (11.0-16.0)

PLATELETS : 313 (150-450)

COMMENT: Red cells, white cells and platelets within normal limits.

Requested Tests : URC*, UMA*, VID*, GHB*, FES*, MBI*, LIP*, FBE, BFO*

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50 NORTH RD, AVONDALE HEIGHTS. 3034
Birthdate: 19/10/1991 **Sex:** F **Medicare Number:** 34964992431
Your Reference: **Lab Reference:** 24-50500138-GHB-0
Laboratory: DOREVITCH PATHOLOGY
Addressee: DR AMY ZHE LIU **Referred by:** DR AMY Z LIU

Name of Test: HBA1C (GLYCATED HB)
Requested: 27/10/2023 **Collected:** 01/03/2024 **Reported:** 01/03/2024
17:04

BLOOD HAEMOGLOBIN A 1c

Date	Lab.No.	HBA1C %	HbA1c mmol/mol
01/03/24	50500138	5.5	37

For diagnosis of diabetes mellitus the cut off is 6.5%.

For monitoring diabetic patients use the guidelines below.

Guidelines	HbA1c%	HbA1c mmol/mol
General Target	< 7.1	< 54
Adequate	< 8.1	< 65
Suboptimal	> 8.0	> 64

Requested Tests : URC*, UMA*, VID*, GHB, FES*, MBI*, LIP*, FBE, BFO*

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50 NORTH RD, AVONDALE HEIGHTS. 3034
Birthdate: 19/10/1991 **Sex:** F **Medicare Number:** 34964992431
Your Reference: **Lab Reference:** 24-50500138-VID-0
Laboratory: DOREVITCH PATHOLOGY
Addressee: DR AMY ZHE LIU **Referred by:** DR AMY Z LIU

Name of Test: 25 HYDROXY VITAMIN D
Requested: 27/10/2023 **Collected:** 01/03/2024 **Reported:** 01/03/2024
18:19

SERUM 25 - HYDROXY VITAMIN D

Date	Lab. No.	25 - Hydroxy Vitamin D	Ref.Range (> 50)
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(nmol/L)

01/03/24 50500138

64

Optimal vitamin D concentrations are greater than 50 nmol/L at the end of winter and greater than 60-70 nmol/L at the end of summer.

Method: DiaSorin Liaison XL immunoassay. Note that this test cannot be used to monitor patients taking exclusively 1,25 dihydroxy Vitamin D (Calcitriol).

Requested Tests : URC*, UMA*, VID, GHB, FES*, MBI, LIP, FBE, BFO*

MOUZAKIS, MELISSA

50 NORTH RD, AVONDALE HEIGHTS. 3034

Birthdate: 19/10/1991 Sex: F Medicare Number: 34964992431

Your Reference: Lab Reference: 24-50500138-BFO-0

Laboratory: DOREVITCH PATHOLOGY

Addressee: DR AMY ZHE LIU Referred by: DR AMY Z LIU

Name of Test: B12, FOLATE

Requested: 27/10/2023 Collected: 01/03/2024 Reported: 01/03/2024
18:32

SERUM VITAMIN B12 AND FOLATE

Date: 01/03/24

Time: 09:15

Lab.No: 50500138

		Ref.
		Units Range
Vitamin B12	: 438	pmol/L (150-700)
Serum Folate	: 38.2	nmol/L (> 9.0)

Vitamin B12 stores appear adequate.

Method: Siemens Immunoassay

Vitamin B12 method: Siemens Immunoassay

Note: Serum folate concentration may be falsely increased in people taking biotin supplements. Unless medical contraindicated, supplements should be withheld at least one week before testing.

Requested Tests : URC*, UMA*, VID, GHB, FES*, MBI, LIP, FBE, BFO

MOUZAKIS, MELISSA

50 NORTH RD, AVONDALE HEIGHTS. 3034

Birthdate: 19/10/1991 Sex: F Medicare Number: 34964992431

Your Reference: Lab Reference: 24-50500138-FES-0

Laboratory: DOREVITCH PATHOLOGY

Addressee: DR AMY ZHE LIU Referred by: DR AMY Z LIU

Name of Test: IRON STUDIES

Requested: 27/10/2023 Collected: 01/03/2024 Reported: 01/03/2024
18:33

SERUM IRON-STUDIES

Date:01/03/24
Time:09:15
Lab.No:50500138

		Units	Ref. Range
Ferritin:	56	ug/L	(30-300)
Iron:	12	umol/L	(7-27)
Transferrin:	2.3	g/L	(2.0-3.6)
Transferrin Sat:	21	%	(13-47)

Medical professionals: Please contact a pathologist on 03 9244 0444 if required.

Please note: The Ferritin reference intervals have changed from 20/08/2019

Method: Siemens Immunoassay

Requested Tests : URC*, UMA*, VID, GHB, FES, MBI, LIP, FBE, BFO

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Birthdate: 19/10/1991 Sex: F Medicare Number: 34964992431
Your Reference: Lab Reference: 24-50500138-UMA-0
Laboratory: DOREVITCH PATHOLOGY
Addressee: DR AMY ZHE LIU Referred by: DR AMY Z LIU

Name of Test: MICROALBUMIN (URINE)
Requested: 27/10/2023 Collected: 01/03/2024 Reported: 02/03/2024
19:12

URINE MICROALBUMIN

Spot Urine

			Ref. Range
Albumin Concentration:	< 3	mg/L	(0-25)
Creatinine Concentration:	9.0	mmol/L	
Alb/Creat Ratio (ACR):	< 1.0	mg/mmol creat	(< 3.5)

Requested Tests : URC*, UMA, VID, GHB, FES, MBI, LIP, FBE, BFO

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Birthdate: 19/10/1991 Sex: F Medicare Number: 34964992431
Your Reference: Lab Reference: 24-50500138-URC-0
Laboratory: DOREVITCH PATHOLOGY
Addressee: DR AMY ZHE LIU Referred by: DR AMY Z LIU

Name of Test: URINE MICROSCOPY
Requested: 27/10/2023 Collected: 01/03/2024 Reported: 04/03/2024
14:31

URINE EXAMINATION:

PHASE CONTRAST

Epith.Squames... < 1 x10⁶ /L (N <10)
Polymorphs..... 20 x10⁶ /L (N <10)
Erythrocytes... < 1 x10⁶ /L (N <10)
No casts or crystals seen (unspun urine).

CHEMISTRY

pH 6.5 Glucose Neg
Protein Neg Ketones Neg
Blood/Hb Neg

CULTURE

No growth.

Requested Tests : URC, UMA, VID, GHB, FES, MBI, LIP, FBE, BFO