WANTIRNA MALL CLINIC

621 Boronia Rd, WANTIRNA VIC 3152
Fax: 03 9738 0909 Phone: 03 9738 0009
Email - info@wmclinic.com.au

Dr M Takla *Provider no. 0957859X*	**Dr Amgad Sidrak** *Provider no. 4102001B*
Dr Avi Charlton *Provider no.236088FH*	**Dr Peter Hanna** *Provider no. 5520711Y*
Dr Sim Aung *Provider no. 207044GK*	**Dr Man Ngo** *Provider no. 211125RJ*
Dr Sanjib Roy Chowdhury *Provider no. 2405275A*	**Dr Lawrence Baria** *Provider no.237340HX*
Dr Dr Hui Wu *Provider no. 440469GY*	**Dr Kiran Preet Pannu** *Provider no. 4738701W*
Dr Mina Hanna *Provider no. 5536311W*	**Dr Sidra Akhtar** *Provider no. 432839PF*
Dr Sharmila Sudheshan *Provider no. 4582107A*	**Dr Amir Ishak Meshreky** *Provider no. 475417GA*
Dr Faiza Akbar *Provider no. 469379FF*	**Dr. Nadereh Mazloumi** *Provider no. 545876BJ*

WARD, ALISON
12 SHORTS RD, COBURG NORTH. 3058
Phone: 93505306
Birthdate: 19/12/1955 **Sex:** F **Medicare Number:** 30612701631
Your Reference: **Lab Reference:** 25-37533717-FIB-0
Laboratory: DOREVITCH PATHOLOGY
Addressee: DR AVI CHARLTON **Referred by:** DR AVI CHARLTON

Name of Test: FIBRINOGEN
Requested: 21/05/2025 **Collected:** 24/05/2025 **Reported:** 24/05/2025 18:11

COAGULATION PROFILE (BLOOD)

Coll.Date: **24/05/25**
Coll.Time: **08:30**
Lab.No: **37533717**

					Units	**Ref.Range**
Fibrinogen:	**4.9**	--	--	--	g/L	(1.5-4.0)

Please note the Reference Range for APTT has been changed as of 11/05/2020

Requested Tests : RMG*, GS*, GHB*, FES*, CRP*, ZNS*, CUS*, MBI*, LIP*, INS*, HOC*, FIB, FBE*, BFO*

WARD, ALISON
12 SHORTS RD, COBURG NORTH. 3058
Phone: 93505306
Birthdate: 19/12/1955 **Sex:** F **Medicare Number:** 30612701631
Your Reference: **Lab Reference:** 25-37533717-FBE-0
Laboratory: DOREVITCH PATHOLOGY

Addressee: DR AVI CHARLTON **Referred by:** DR AVI CHARLTON

Name of Test: FULL BLOOD EXAMINATION
Requested: 21/05/2025 **Collected:** 24/05/2025 **Reported:** 24/05/2025 18:23

FULL BLOOD EXAMINATION

Coll.Date:	**06/04/23**	**17/11/23**	**18/12/24**	**24/05/25**		
Coll.Time:	**08:55**	**08:55**	**08:25**	**08:30**		
Lab.No:	**47213952**	**46918466**	**33921902**	**37533717**		
					Units	**Ref.Range**
Haemoglobin:	129	121	115	**110**	g/L	(115-165)
WCC:	5.8	5.8	5.2	4.9	x10^9 /L	(4.0-11.0)
Platelets:	289	367	417	341	x10^9 /L	(150-450)
RCC:	4.26	4.30	4.23	3.89	x10^12 /L	(3.80-5.80)
PCV:	0.38	0.38	0.37	**0.36**	L/L	(0.37-0.47)
MCV:	89	89	87	91	fL	(80-96)
MCH:	30	28	27	28	pg	(27-32)
MCHC:	339	**318**	**313**	**310**	g/L	(320-360)
RDW:	14.9	16.0	15.3	**17.2**	%	(11.0-16.0)
Neutrophils:	3.2	3.3	2.7	2.7	x10^9 /L	(2.0-8.0)
Lymphocytes:	1.7	1.8	1.9	1.5	x10^9 /L	(1.0-4.0)
Monocytes:	0.5	0.5	0.5	0.5	x10^9 /L	(0.0-1.0)
Eosinophils:	0.2	0.2	0.2	0.1	x10^9 /L	(0.0-0.5)
Basophils:	0.1	0.1	0.0	0.0	x10^9 /L	(0.0-0.2)

06/04/23 47213952 Within normal limits.

17/11/23 46918466 No significant abnormality.

18/12/24 33921902 Essentially within normal limits.

24/05/25 37533717 Borderline low haemoglobin.

Requested Tests : RMG*, GS*, GHB*, FES*, CRP*, ZNS*, CUS*, MBI*, LIP*, INS*, HOC*, FIB, FBE, BFO*

WARD, ALISON
12 SHORTS RD, COBURG NORTH. 3058
Phone: 93505306
Birthdate: 19/12/1955 **Sex:** F **Medicare Number:** 30612701631
Your Reference: **Lab Reference:** 25-37533717-GHB-0
Laboratory: DOREVITCH PATHOLOGY
Addressee: DR AVI CHARLTON **Referred by:** DR AVI CHARLTON

Name of Test: HBA1C (GLYCATED HB)
Requested: 21/05/2025 **Collected:** 24/05/2025 **Reported:** 24/05/2025 19:02

BLOOD HAEMOGLOBIN A 1c

Date	Lab.No.	HBA1C %	HbA1c mmol/mol
24/01/22	38759755	5.7	39
27/09/22	42004553	5.7	39
06/04/23	47213952	5.5	37
17/11/23	46918466	5.5	37
18/12/24	33921902	5.7	39

24/05/25 37533717 5.4 36

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 : RMG*, GS*, GHB, FES*, CRP*, ZNS*, CUS*, MBI*, LIP*, INS*, HOC*, FIB, FBE, BFO*

WARD, ALISON
12 SHORTS RD, COBURG NORTH. 3058
Phone: 93505306
Birthdate: 19/12/1955 **Sex:** F **Medicare Number:** 30612701631
Your Reference: **Lab Reference:** 25-37533717-MBI-0
Laboratory: DOREVITCH PATHOLOGY
Addressee: DR AVI CHARLTON **Referred by:** DR AVI CHARLTON

Name of Test: GENERAL BIOCHEMISTRY
Requested: 21/05/2025 **Collected:** 24/05/2025 **Reported:** 26/05/2025 15:48

SERUM/PLASMA BIOCHEMISTRY

							Biological
Coll.Date:	**18/12/24**	**24/05/25**				Units	Ref.Int.
Coll.Time:	**08:25**	**08:30**					
Lab.No:	**33921902**	**37533717**					
Sodium:	138	141	--	--	--	mmol/L	(135-145)
Potassium:	5.1	4.3	--	--	--	mmol/L	(3.5-5.2)
Chloride:	101	107	--	--	--	mmol/L	(95-110)
Bicarbonate:	29	26	--	--	--	mmol/L	(22-32)
Urea:	7.1	7.2	--	--	--	mmol/L	(3.0-10.0)
eGFR(mL/min):	83	> 90	--	--	--	per 1.73sqm	(> 60)
Creatinine:	65	57	--	--	--	umol/L	(40-90)
Bilirubin:	4	6	--	--	--	umol/L	(0-20)
ALT:	19	22	--	--	--	U/L	(0-35)
AST:	27	24	--	--	--	U/L	(0-35)
ALP:	83	67	--	--	--	U/L	(30-110)
GGT:	21	20	--	--	--	U/L	(0-35)
Tot.Protein:	72	69	--	--	--	g/L	(60-80)
Albumin:	**33**	36	--	--	--	g/L	(34-47)
Globulin:	39	33	--	--	--	g/L	(22-40)
Calcium:	--	2.35	--	--	--	mmol/L	(2.15-2.65)
Cor.Calcium:	--	2.43	--	--	--	mmol/L	(2.15-2.65)
Phosphate:	--	1.33	--	--	--	mmol/L	(0.75-1.50)
Urate:	--	0.26	--	--	--	mmol/L	(0.11-0.42)
Magnesium:	0.89	0.79	--	--	--	mmol/L	(0.60-1.10)

Coll.Date: 18/12/24 24/05/25
Coll.Time: 08:25 08:30

Reference intervals for EUC and LFTs have been updated from 01/08/2017.

Requested Tests : RMG*, GS, GHB, FES*, CRP*, ZNS*, CUS*, MBI, LIP*, INS*, HOC*, FIB, FBE, BFO*

WARD, ALISON
12 SHORTS RD, COBURG NORTH. 3058
Phone: 93505306
Birthdate: 19/12/1955 **Sex:** F **Medicare Number:** 30612701631
Your Reference: **Lab Reference:** 25-37533717-GS-0
Laboratory: DOREVITCH PATHOLOGY
Addressee: DR AVI CHARLTON **Referred by:** DR AVI CHARLTON

Name of Test: GLUCOSE SERUM SPECIMEN
Requested: 21/05/2025 **Collected:** 24/05/2025 **Reported:** 26/05/2025 15:48

GLUCOSE

Coll.Date: 24/05/25
Lab.No: 37533717

					Units
Specimen: Serum					
Time: 8:30 AM					
Type: Fasting	--	--	--	--	
Glucose:	4.8	--	--	--	-- mmol/L

Note (1): Glucose reference ranges: Fasting 4.0-6.0, Random 4.0-7.8
Consider further investigation including glucose tolerance test in people with fasting glucose 5.5-6.9 or random 7.8-11.0 mmol/L

Requested Tests : RMG*, GS, GHB, FES*, CRP*, ZNS*, CUS*, MBI, LIP*, INS*, HOC*, FIB, FBE, BFO*

WARD, ALISON
12 SHORTS RD, COBURG NORTH. 3058
Phone: 93505306
Birthdate: 19/12/1955 **Sex:** F **Medicare Number:** 30612701631
Your Reference: **Lab Reference:** 25-37533717-BFO-0
Laboratory: DOREVITCH PATHOLOGY
Addressee: DR AVI CHARLTON **Referred by:** DR AVI CHARLTON

Name of Test: B12,FOLATE
Requested: 21/05/2025 **Collected:** 24/05/2025 **Reported:** 26/05/2025 15:51

SERUM VITAMIN B12 AND FOLATE

Date:	**18/12/24**	**24/05/25**			
Time:	**08:25**	**08:30**			
Lab.No:	**33921902**	**37533717**			
				Units	**Ref. Range**
Vitamin B12 :		**805**	398	pmol/L	(150-700)

Serum Folate : > 54.0 49.4 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 : RMG*, GS, GHB, FES*, CRP*, ZNS*, CUS*, MBI, LIP*, INS*, HOC*, FIB, FBE, BFO

WARD, ALISON
12 SHORTS RD, COBURG NORTH. 3058
Phone: 93505306
Birthdate: 19/12/1955 **Sex:** F **Medicare Number:** 30612701631
Your Reference: **Lab Reference:** 25-37533717-FES-0
Laboratory: DOREVITCH PATHOLOGY
Addressee: DR AVI CHARLTON **Referred by:** DR AVI CHARLTON

Name of Test: IRON STUDIES
Requested: 21/05/2025 **Collected:** 24/05/2025 **Reported:** 26/05/2025 15:54

SERUM IRON-STUDIES

	Date:	**17/11/23**	**18/12/24**	**24/05/25**		
	Time:	**08:55**	**08:25**	**08:30**		
	Lab.No:	**46918466**	**33921902**	**37533717**		
					Units	**Ref. Range**
Ferritin:		145	103	127	ug/L	(30-300)
Iron:		10	8	8	umol/L	(7-27)
Transferrin:		2.6	2.1	2.4	g/L	(2.0-3.6)
Transferrin Sat:		15	15	13	%	(13-47)

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

Method: Siemens Immunoassay

Requested Tests : RMG*, GS, GHB, FES, CRP*, ZNS*, CUS*, MBI, LIP*, INS*, HOC*, FIB, FBE, BFO

WARD, ALISON
12 SHORTS RD, COBURG NORTH. 3058
Phone: 93505306
Birthdate: 19/12/1955 **Sex:** F **Medicare Number:** 30612701631
Your Reference: **Lab Reference:** 25-37533717-HOC-0

Laboratory: DOREVITCH PATHOLOGY
Addressee: DR AVI CHARLTON **Referred by:** DR AVI CHARLTON

Name of Test: HOMOCYSTEINE PLASMA
Requested: 21/05/2025 **Collected:** 24/05/2025 **Reported:** 26/05/2025 15:54

PLASMA HOMOCYSTEINE

			Ref.Range
Plasma Homocysteine :	**14.2**	umol/L	(3.7-13.9)

Method: Siemens Immunoassay

Requested Tests : RMG*, GS, GHB, FES, CRP*, ZNS*, CUS*, MBI, LIP*, INS*, HOC, FIB, FBE, BFO

WARD, ALISON
12 SHORTS RD, COBURG NORTH. 3058
Phone: 93505306
Birthdate: 19/12/1955 **Sex:** F **Medicare Number:** 30612701631
Your Reference: **Lab Reference:** 25-37533717-CRP-0
Laboratory: DOREVITCH PATHOLOGY
Addressee: DR AVI CHARLTON **Referred by:** DR AVI CHARLTON

Name of Test: C-REACTIVE PROTEIN
Requested: 21/05/2025 **Collected:** 24/05/2025 **Reported:** 26/05/2025 16:01

SERUM C-REACTIVE PROTEIN (CRP)

Date	Lab. No.	CRP	Ref Range (< 4)	
17/11/23	46918466	2		
18/12/24	33921902	**18**		*
24/05/25	37533717	**9** mg/L		*

Note: The CRP method and reference limit has changed from 31/03/2025.
The results are comparable to the previous assay.

Requested Tests : RMG*, GS, GHB, FES, CRP, ZNS*, CUS*, MBI, LIP*, INS*, HOC, FIB, FBE, BFO

WARD, ALISON
12 SHORTS RD, COBURG NORTH. 3058
Phone: 93505306
Birthdate: 19/12/1955 **Sex:** F **Medicare Number:** 30612701631
Your Reference: **Lab Reference:** 25-37533717-LIP-0
Laboratory: DOREVITCH PATHOLOGY
Addressee: DR AVI CHARLTON **Referred by:** DR AVI CHARLTON

Name of Test: LIPID STUDIES
Requested: 21/05/2025 **Collected:** 24/05/2025 **Reported:** 26/05/2025 16:33

SERUM/PLASMA LIPID STUDIES

Coll.Date:	**17/11/23**	**18/12/24**	**24/05/25**			
Coll.Time:	**08:55**	**08:25**	**08:30**			
Lab.No:	**46918466**	**33921902**	**37533717**			
						Units
	Fasting	Fasting	Fasting	--	--	
Total Chol:	**17.0**	**16.7**	**9.9**	--	--	mmol/L
Triglyceride:	1.0	1.2	0.7	--	--	mmol/L
HDL - C:	2.0	3.2	1.8	--	--	mmol/L
LDL - C:	**14.5**	**12.9**	**7.8**	--	--	mmol/L
NON HDL-C:	**15.0**	**13.5**	**8.1**	--	--	mmol/L
Chol/HDL:	8.5	5.2	5.5	--	--	

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

Requested Tests : RMG*, GS, GHB, FES, CRP, ZNS*, CUS*, MBI, LIP, INS*, HOC, FIB, FBE, BFO

WARD, ALISON
12 SHORTS RD, COBURG NORTH. 3058
Phone: 93505306
Birthdate: 19/12/1955 **Sex:** F **Medicare Number:** 30612701631
Your Reference: **Lab Reference:** 25-37533717-INS-0
Laboratory: DOREVITCH PATHOLOGY
Addressee: DR AVI CHARLTON **Referred by:** DR AVI CHARLTON

Name of Test: INSULIN (SERUM)
Requested: 21/05/2025 **Collected:** 24/05/2025 **Reported:** 26/05/2025 17:52

SERUM INSULIN

Collection time: 8:30 am

Insulin: 4 mIU/L

Note: Normal fasting serum insulin is between 3 and 25 mIU/L.

Requested Tests : RMG*, GS, GHB, FES, CRP, ZNS*, CUS*, MBI, LIP, INS, HOC, FIB, FBE, BFO

WARD, ALISON
12 SHORTS RD, COBURG NORTH. 3058
Phone: 93505306
Birthdate: 19/12/1955 **Sex:** F **Medicare Number:** 30612701631
Your Reference: **Lab Reference:** 25-37533717-ZNS-0
Laboratory: DOREVITCH PATHOLOGY
Addressee: DR AVI CHARLTON **Referred by:** DR AVI CHARLTON

Name of Test: ZINC
Requested: 21/05/2025 **Collected:** 24/05/2025 **Reported:** 27/05/2025 15:45

SERUM/PLASMA TRACE ELEMENTS

Zinc	14.6	umol/L	(10.0-18.0)

Requested Tests : RMG*, GS, GHB, FES, CRP, ZNS, CUS*, MBI, LIP, INS, HOC, FIB, FBE, BFO

WARD, ALISON
12 SHORTS RD, COBURG NORTH. 3058
Phone: 93505306
Birthdate: 19/12/1955 **Sex:** F **Medicare Number:** 30612701631
Your Reference: **Lab Reference:** 25-37533717-CUS-0
Laboratory: DOREVITCH PATHOLOGY
Addressee: DR AVI CHARLTON **Referred by:** DR AVI CHARLTON

Name of Test: COPPER (SERUM)
Requested: 21/05/2025 **Collected:** 24/05/2025 **Reported:** 28/05/2025 12:46

SERUM/PLASMA TRACE ELEMENTS

			(RI)
Copper	**28**	umol/L	(12-24)

Common causes of increased plasma copper include oestrogen/OCP therapy, pregnancy,the acute-phase response and ageing. Elevated levels have also been described in toxicity related to ingestion of copper contaminated food/water and prolonged cholestasis. This is NOT the typical pattern of Wilson's disease which is usually associated with LOW plasma copper and caeruloplasmin, and HIGH urine copper excretion.

RI = Reference Interval

Requested Tests : RMG*, GS, GHB, FES, CRP, ZNS, CUS, MBI, LIP, INS, HOC, FIB, FBE, BFO