

HAJJ, MIRNA
 4102/50PEMBERTON ST, BOTANY. 2019
 Phone: 0424497616
 Birthdate: 30/12/1981 Sex: F Medicare Number: 2792493064
 Your Reference: 66AAA0DD82 Lab Reference: 835831081-H- HAEM VIRTUAL
 Laboratory: Douglass Hanly Moir Pathology eOrder
 Addressee: DR PUI R KOH Referred by: DR OMAR SALEM
 Copy to: DR PUI KOH

Name of Test: Haematology
 Requested: 10/07/2023 Collected: 10/07/2023 Reported: 11/07/2023
 12:16

Clinical notes: Screening, CC to Dr Kevin Koh

Clinical Notes : Screening, CC to Dr Kevin Koh

HAEMATOLOGY

Date	15/03/23	10/07/23	Units	Reference
Time F-Fast	1013 F	Unkn		
Lab ID	882565365	835831081		
Haemoglobin	138	138	g/L	(119-160)
RCC	4.7	4.8	x10 ¹² /L	(3.8-5.8)
Haematocrit	0.41	0.41		
(0.35-0.48)				
MCV	86	85	fL	(80-100)
MCH	29.1	29.1	pg	
(27.0-32.0)				
MCHC	337	341	g/L	(310-360)
RDW	12.9	12.8		
(10.0-15.0)				
WCC	4.1	4.1	x10 ⁹ /L	(4.0-11.0)
Neutrophils	L 1.97	2.05	x10 ⁹ /L	(2.0-7.5)
Lymphocytes	1.73	1.61	x10 ⁹ /L	(1.0-4.0)
Monocytes	0.35	0.35	x10 ⁹ /L	(0.0-1.0)
Eosinophils	0.06	0.03	x10 ⁹ /L	(0.0-0.5)
Basophils	0.02	0.02	x10 ⁹ /L	(0.0-0.3)
NRBC	<1.0	<1.0	/100 WBC	(<1)
Platelets	225	224	x10 ⁹ /L	(150-450)
ESR	18		mm/h	(1-26)

Comments on Collection 10/07/23 Unkn:
 Full blood count is within reference limits

NATA Accreditation No 2178

Tests Completed: LH(s), FSH(s), Oest(s), Prog(s), Commenting, Fol(s),
 LFT(s), C(s), UCreat(s), E(s), Phos(s), Iron(s), Ca(s),
 Mg(s), Vit D(s), TFT(s), Active B12(s), HbA1c Diag(e), FBC(e)
 Tests Pending : Gliadin/TTG(s), Helico Ab(s)
 Sample Pending :

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Phone: 0424497616
Birthdate: 30/12/1981 Sex: F Medicare Number: 2792493064
Your Reference: 66AAA0DD82 Lab Reference: 835831081-E-Hormones
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR PUI R KOH Referred by: DR OMAR SALEM
Copy to: DR PUI KOH

Name of Test: Hormones
Requested: 10/07/2023 Collected: 10/07/2023 Reported: 11/07/2023
12:16

Clinical notes: Screening, CC to Dr Kevin Koh

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Reproductive Hormones
(Abbott Method)

FSH	2.9	IU/L
LH	3.9	IU/L
Oestradiol	358	pmol/L
Progesterone	33.3	nmol/L

Comment on Lab ID 835831081

FSH	Basal	1.5 - 10
	Mid cycle peak	7.0 - 22
	Post-menopausal	25 - 130

LH	Basal	2.0 - 12
	Mid cycle peak	8.0 - 90
	Post-menopausal	5.0 - 62

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

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Tests Completed: LH(s), FSH(s), Oest(s), Prog(s), Commenting, Fol(s),
LFT(s), C(s), UCreat(s), E(s), Phos(s), Iron(s), Ca(s),
Mg(s), Vit D(s), TFT(s), Active B12(s), HbA1c Diag(e), FBC(e)
Tests Pending : Gliadin/TTG(s), Helico Ab(s)
Sample Pending :

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Phone: 0424497616
Birthdate: 30/12/1981 Sex: F Medicare Number: 2792493064
Your Reference: 66AAA0DD82 Lab Reference: 835831081-E-Vitamin

B12/Folate

Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR PUI R KOH Referred by: DR OMAR SALEM
Copy to:

DR PUI KOH

Name of Test: B12/Folate/RCF
Requested: 10/07/2023 Collected: 10/07/2023 Reported: 11/07/2023
12:16

Clinical notes: Screening, CC to Dr Kevin Koh

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VIT B12 & FOLATE

Date	15/03/23	10/07/23		
Time F-Fast	1013 F	Unkn		
Lab ID	882565365	835831081	Units	Reference
Vitamin B12	306		pmol/L	(135-650)
Active B12	85	55	pmol/L	(>35)
S.Fol (Abbott)		33.6	nmol/L	(>7.0)

NATA Accreditation No 2178

Tests Completed: LH(s), FSH(s), Oest(s), Prog(s), Commenting, Fol(s),
LFT(s), C(s), UCreat(s), E(s), Phos(s), Iron(s), Ca(s),
Mg(s), Vit D(s), TFT(s), Active B12(s), HbA1c Diag(e), FBC(e)
Tests Pending : Gliadin/TTG(s), Helico Ab(s)
Sample Pending :

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 Phone: 0424497616
 Birthdate: 30/12/1981 Sex: F Medicare Number: 2792493064
 Your Reference: 66AAA0DD82 Lab Reference: 835831081-C-Biochemistry
 Laboratory: Douglass Hanly Moir Pathology eOrder
 Addressee: DR PUI R KOH Referred by: DR OMAR SALEM
 Copy to: DR PUI KOH

Name of Test: Biochemistry
 Requested: 10/07/2023 Collected: 10/07/2023 Reported: 11/07/2023
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BIOCHEMISTRY

Date	15/03/23	10/07/23		Units	Reference
Time F-Fast	1013 F	Unkn			
Lab ID	882565365	835831081			
Sodium	139	138		mmol/L	(135-145)
Potassium	4.4	4.2		mmol/L	(3.5-5.5)
Chloride	108	108		mmol/L	(95-110)
Bicarbonate	25	L 18		mmol/L	(20-32)
Urea	4.1	3.6		mmol/L	(2.5-7.0)
Creatinine	60	50		umol/L	(45-85)
eGFR	>90	>90		mL/min/1.73m2	(>59)
Calcium		2.33		mmol/L	
(2.15-2.55)					
Corr Calcium		2.31		mmol/L	
(2.15-2.55)					
Magnesium.		0.78		mmol/L	
(0.65-1.00)					
Phosphate.		0.83		mmol/L	(0.8-1.5)
Bili.Total	H 16	13		umol/L	(3-15)
ALP	45	52		U/L	(20-105)
GGT	16	23		U/L	(5-35)
LD	124	203		U/L	(120-250)
AST	18	25		U/L	(10-35)
ALT	15	21		U/L	(5-30)
Total Protein	71	71		g/L	(68-85)
Albumin	47	44		g/L	(37-48)
Globulin	24	27		g/L	(23-39)

Comments on Collection 10/07/23 Unkn:
 eGFR (mL/min/1.73m2) calculated by CKD-EPI formula - see www.kidney.org.au

Low bicarbonate. Suggest repeat to exclude artefactual causes if clinically indicated.

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Tests Completed: LH(s), FSH(s), Oest(s), Prog(s), Commenting, Fol(s),
 LFT(s), C(s), UCreat(s), E(s), Phos(s), Iron(s), Ca(s),
 Mg(s), Vit D(s), TFT(s), Active B12(s), HbA1c Diag(e), FBC(e)
 Tests Pending : Gliadin/TTG(s), Helico Ab(s)

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 Phone: 0424497616
 Birthdate: 30/12/1981 Sex: F Medicare Number: 2792493064
 Your Reference: 66AAA0DD82 Lab Reference: 835831081-C-Iron Studies
 Laboratory: Douglass Hanly Moir Pathology eOrder
 Addressee: DR PUI R KOH Referred by: DR OMAR SALEM
 Copy to:
 DR PUI KOH

Name of Test: Iron Studies
 Requested: 10/07/2023 Collected: 10/07/2023 Reported: 11/07/2023
 12:16

Clinical notes: Screening, CC to Dr Kevin Koh

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IRON

Date	15/03/23	10/07/23		Units	Reference
Time F-Fast	1013 F	Unkn			
Lab ID	882565365	835831081			
Iron	23.8	17.0		umol/L	(5.0-30.0)
Transferrin	2.8	2.7		g/L	(2.0-3.6)
TIBC (Calc)	62	60		umol/L	(46-77)
Saturation	38	28		%	(10-45)
Ferritin	44	46		ug/L	(15-200)

NATA Accreditation No 2178

Tests Completed: LH(s), FSH(s), Oest(s), Prog(s), Commenting, Fol(s),
 LFT(s), C(s), UCreat(s), E(s), Phos(s), Iron(s), Ca(s),
 Mg(s), Vit D(s), TFT(s), Active B12(s), HbA1c Diag(e), FBC(e)
 Tests Pending : Gliadin/TTG(s), Helico Ab(s)
 Sample Pending :

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Phone: 0424497616
Birthdate: 30/12/1981 Sex: F Medicare Number: 2792493064
Your Reference: 66AAA0DD82 Lab Reference: 835831081-C-VITD
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR PUI R KOH Referred by: DR OMAR SALEM
Copy to:
DR PUI KOH

Name of Test: Vit D(s)
Requested: 10/07/2023 Collected: 10/07/2023 Reported: 11/07/2023
12:16

Clinical notes: Screening, CC to Dr Kevin Koh

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Date	15/03/23	10/07/23		
Time F-Fast	1013 F	Unkn	Units	Reference
Lab ID	882565365	835831081		
Vitamin D	76	L 33	nmol/L	(50-140)

Comments on Collection 10/07/23 Unkn:
Consistent with mild Vitamin D deficiency.
Due to the prolonged half-life of 25-OH Vitamin D, reassessment of Vitamin D status should not be undertaken until at least 3 to 4 months after implementing supplementation or changing the dose of replacement therapy. 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.

NATA Accreditation No 2178

Tests Completed: LH(s), FSH(s), Oest(s), Prog(s), Commenting, Fol(s),
LFT(s), C(s), UCreat(s), E(s), Phos(s), Iron(s), Ca(s),
Mg(s), Vit D(s), TFT(s), Active B12(s), HbA1c Diag(e), FBC(e)
Tests Pending : Gliadin/TTG(s), Helico Ab(s)
Sample Pending :

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 Phone: 0424497616
 Birthdate: 30/12/1981 Sex: F Medicare Number: 2792493064
 Your Reference: 66AAA0DD82 Lab Reference: 835831081-C-GHB
 Laboratory: Douglass Hanly Moir Pathology eOrder
 Addressee: DR PUI R KOH Referred by: DR OMAR SALEM
 Copy to:
 DR PUI KOH

Name of Test: HbA1c
 Requested: 10/07/2023 Collected: 10/07/2023 Reported: 11/07/2023
 12:16

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HbA1c

Date	Time F-Fast	Lab ID	Units	Reference
15/03/23	1013 F	882565365		
10/07/23	Unkn	835831081		
HbA1c (IFCC)	30	31	mmol/mol	(20-38)
HbA1c (NGSP)	4.9	5.0	%	(4.0-5.6)

Comments on Collection 10/07/23 Unkn:
 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.

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Tests Completed: LH(s), FSH(s), Oest(s), Prog(s), Commenting, Fol(s), LFT(s), C(s), UCreat(s), E(s), Phos(s), Iron(s), Ca(s), Mg(s), Vit D(s), TFT(s), Active B12(s), HbA1c Diag(e), FBC(e)
 Tests Pending : Gliadin/TTG(s), Helico Ab(s)
 Sample Pending :

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Phone: 0424497616
Birthdate: 30/12/1981 Sex: F Medicare Number: 2792493064
Your Reference: 66AAA0DD82 Lab Reference: 835831081-S-HELP
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR PUI R KOH Referred by: DR OMAR SALEM
Copy to:

DR PUI KOH

Name of Test: Helico Ab(s)
Requested: 10/07/2023 Collected: 10/07/2023 Reported: 11/07/2023
20:46

Clinical notes: Screening, CC to Dr Kevin Koh

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Helicobacter pylori Serology

		Reference Range
H.pylori IgG (EIA)	<0.4 U/mL	(<0.9 U/mL
Negative)		(0.9-1.1 U/mL
Equivocal)		(>1.1 U/mL
Positive)		

Comment on Lab ID 835831081

No serological evidence of H.pylori infection.

NATA Accreditation No 2178

Tests Completed: LH(s), FSH(s), Oest(s), Prog(s), Commenting, Fol(s),
LFT(s), C(s), UCreat(s), E(s), Phos(s), Iron(s), Ca(s),
Mg(s), Vit D(s), TFT(s), Active B12(s), HbA1c Diag(e),
FBC(e), Helico Ab(s)
Tests Pending : Gliadin/TTG(s)
Sample Pending :

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Phone: 0424497616
Birthdate: 30/12/1981 Sex: F Medicare Number: 2792493064
Your Reference: 66AAA0DD82 Lab Reference: 835831081-I-COEL
Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR PUI R KOH Referred by: DR OMAR SALEM
Copy to:

DR PUI KOH

Name of Test: Gliadin/TTG(s)
Requested: 10/07/2023 Collected: 10/07/2023 Reported: 11/07/2023
22:16

Clinical notes: Screening, CC to Dr Kevin Koh

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Coeliac Serology

Deamidated Gliadin IgA	<1	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 on Lab ID 835831081

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.

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LFT(s), C(s), UCreat(s), E(s), Phos(s), Iron(s), Ca(s),
Mg(s), Vit D(s), TFT(s), Active B12(s), HbA1c Diag(e),
FBC(e), Gliadin/TTG(s), Helico Ab(s)

Tests Pending :

Sample Pending :

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Phone: 0424497616
Birthdate: 30/12/1981 Sex: F Medicare Number: 2792493064
Your Reference: 66AAA0DD82 Lab Reference: 835831081-E-Thyroid

Function

Laboratory: Douglass Hanly Moir Pathology eOrder
Addressee: DR PUI R KOH Referred by: DR OMAR SALEM
Copy to: DR PUI KOH

Name of Test: Thyroid Function
Requested: 10/07/2023 Collected: 10/07/2023 Reported: 11/07/2023
12:16

Clinical notes: Screening, CC to Dr Kevin Koh

Clinical Notes : Screening, CC to Dr Kevin Koh

TFT

Date	15/03/23	10/07/23	Units	Reference
Time F-Fast	1013 F	Unkn		
Lab ID	882565365	835831081		
TSH	0.98	1.46	mIU/L	
(0.40-3.50)				
Free T4	13.1		pmol/L	(9.0-19.0)

NATA Accreditation No 2178

Tests Completed: LH(s), FSH(s), Oest(s), Prog(s), Commenting, Fol(s),
LFT(s), C(s), UCreat(s), E(s), Phos(s), Iron(s), Ca(s),
Mg(s), Vit D(s), TFT(s), Active B12(s), HbA1c Diag(e), FBC(e)
Tests Pending : Gliadin/TTG(s), Helico Ab(s)
Sample Pending :