

ED- Haematology on 18/03/2022

Clinical Notes : 31 yo F - troubles with weight loss for a long time. Longstanding migraines, headaches, anxiety

Haematology

Date	17/08/20	18/03/22		
Time	1058	1620		
Lab No.	431606757	435387182	Units	Reference
Haemoglobin	143	143	g/L	(115-165)
RCC	4.8	4.7	$\times 10^{12}/L$	(3.8-5.8)
Haematocrit (0.36-0.47)	0.42	0.42		
MCV	89	89	fL	(80-100)
MCH	30	31	pg	(27-32)
MCHC	340	345	g/L	(310-360)
RDW	12.7	12.4		(10-15)
WCC	7.3	8.5	$\times 10^9/L$	(4.0-11.0)
Neutrophils	4.7	5.8	$\times 10^9/L$	(2.0-7.5)
Lymphocytes	1.8	1.9	$\times 10^9/L$	(1.2-4.0)
Monocytes	0.6	0.6	$\times 10^9/L$	(0.2-1.0)
Eosinophils	0.1	0.2	$\times 10^9/L$	(0.0-0.5)
Basophils	<0.1	<0.1	$\times 10^9/L$	(0.0-0.1)
Platelets	244	237	$\times 10^9/L$	(150-400)

Comments on Collection 18/03/22 1620:

FBC

The full blood count parameters are within the acceptable ranges.

Comments on Collection 17/08/20 1058:

FBC

The full blood count parameters are within the acceptable ranges.

HA

Clinipath Pathology NATA No: 2619-2612

Tests Completed: FBC

Tests Pending : LFT, Renal Function, Electrolytes, Glucose Random,
Iron Studies, HDL & CHOL, C Reactive Protein,
Vitamin B12, Folate Serum, TFT, VITAMIN D 25 OH, HbA1c

Sample Pending :

SE-Glucose/C-Peptide on 18/03/2022

Clinical Notes : 31 yo F - troubles with weight loss for a long time. Longstanding migraines, headaches, anxiety

Glucose/C-Peptide

Date	18/03/22		
Time	1620		
Lab No.	435387182	Units	Reference
Glucose Rand.	4.5	mmol/L	(3.0-7.7)

Rand. Glu. Note: Reference Interval change from 7/6/21.

Comments on Collection 18/03/22 1620:
Glucose Random
Diabetes unlikely.

CA

Clinipath Pathology NATA No: 2619-2612

Tests Completed: Glucose Random,FBC
Tests Pending : LFT, Renal Function,Electrolytes, Iron Studies,
HDL & CHOL,C Reactive Protein,Vitamin B12,
Folate Serum,TFT,VITAMIN D 25 OH,HbA1c
Sample Pending :

SE- Liver Function on 18/03/2022

Clinical Notes : 31 yo F - troubles with weight loss for a
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Liver Function

Date	17/08/20	18/03/22		
Time	1058	1620		
Lab No.	431606757	435387182	Units	Reference
AST	15	14	U/L	(10-35)
ALT	19	17	U/L	(5-30)
ALP	72	62	U/L	(30-110)
GGT	43 H	38 H	U/L	(5-35)
Total Bilirubin	9	4	umol/L	(3-15)
Protein	70	68	g/L	(64-81)
Albumin	42	44	g/L	(35-46)
Globulin	28	24	g/L	(23-39)

CA

Clinipath Pathology NATA No: 2619-2612

Tests Completed: LFT, Renal Function,Electrolytes,Glucose Random,
HDL & CHOL,C Reactive Protein,FBC
Tests Pending : Iron Studies,Vitamin B12,Folate Serum,TFT,
VITAMIN D 25 OH,HbA1c
Sample Pending :

SE- Renal function on 18/03/2022

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Renal Function

Date	17/08/20	18/03/22		
Time	1058	1620		
Lab No.	431606757	435387182	Units	Reference
Urea	6.4	6.3	mmol/L	(2.5-7.0)

Creatinine	70	87 H	umol/L	(45-85)
eGFR	>90	77		(>59)
Sodium	138	139	mmol/L	(135-145)
Potassium	4.1	4.0	mmol/L	(3.5-5.5)
Chloride	105	105	mmol/L	(95-110)
Bicarbonate	25	21	mmol/L	(20-32)

Renal Function eGFR calculated using CKD EPI from 21-05-13.

Comments on Collection 18/03/22 1620:

Renal Function

The eGFR is <= 90 mL/min/1.73m²; further investigation may be indicated for those at increased risk. (www.kidney.org.au).

Suggest urine microalbumin.

CA

Clinipath Pathology NATA No: 2619-2612

Tests Completed: LFT, Renal Function, Electrolytes, Glucose Random, HDL & CHOL, C Reactive Protein, FBC

Tests Pending : Iron Studies, Vitamin B12, Folate Serum, TFT, VITAMIN D 25 OH, HbA1c

Sample Pending :

SE-Lipids on 18/03/2022

Clinical Notes : 31 yo F - troubles with weight loss for a long time. Longstanding migraines, headaches, anxiety

Lipids

Date	18/03/22		
Time	1620		
Lab No.	435387182	Units	Reference
Status	Random		
Cholesterol	4.7	mmol/L	(<5.0)
Triglyceride	1.0	mmol/L	(<2.0)
HDL Chol.	1.3	mmol/L	(>1.0)
Coronary Risk Rati	3.6 H		(<3.5)
LDL Chol.	2.9	mmol/L	(<3.0)
Non HDL Chol.	3.4	mmol/L	(<3.9)

HDL & CHOL Non-fasting samples now accepted for lipids.

Comments on Collection 18/03/22 1620:

HDL & CHOL

TARGET LEVELS:

The National Vascular Disease Prevention Alliance (NVDPA) treatment target levels for high risk people (known coronary heart and other arterial disease, diabetes, chronic renal failure, Aboriginal and Torres Strait Islander peoples) are:

Total Cholesterol	<4.0	mmol/L
HDL-Cholesterol	>=1.00	mmol/L
Fasting Triglycerides	<2.0	mmol/L
Non-HDL Cholesterol	<2.5	mmol/L

Increased non-HDL Cholesterol is a significant marker for

subclinical atherosclerosis (ref: Cardiology Today 2013; 3(2) : pp25-27).

CA

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Tests Completed: LFT, Renal Function,Electrolytes,Glucose Random,
HDL & CHOL,C Reactive Protein,FBC

Tests Pending : Iron Studies,Vitamin B12,Folate Serum,TFT,
VITAMIN D 25 OH,HbA1c

Sample Pending :

SE-C Reactive Protein on 18/03/2022

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Date	18/03/22		
Time	1620		
Lab No.	435387182	Units	Reference
CRP	5 H	mg/L	(<5)

Comments on Collection 18/03/22 1620:
C Reactive Protein

CA

Clinipath Pathology NATA No: 2619-2612

Tests Completed: LFT, Renal Function,Electrolytes,Glucose Random,
HDL & CHOL,C Reactive Protein,FBC

Tests Pending : Iron Studies,Vitamin B12,Folate Serum,TFT,
VITAMIN D 25 OH,HbA1c

Sample Pending :

SE-Iron Studies on 18/03/2022

Clinical Notes : 31 yo F - troubles with weight loss for a
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Iron Studies

Date	17/08/20	18/03/22		
Time	1058	1620		
Lab No.	431606757	435387182	Units	Reference
Iron		9	umol/L	(5-30)
Transferrin		28	umol/L	(25-45)
Saturation		16	%	(10-45)
Ferritin	77	59	ug/L	(30-200)

CA

Clinipath Pathology NATA No: 2619-2612

Tests Completed: LFT, Renal Function,Electrolytes,Glucose Random,
Iron Studies,HDL & CHOL,C Reactive Protein,
Vitamin B12,Folate Serum,TFT,Active B12,
VITAMIN D 25 OH,HbA1c,FBC

Tests Pending :
Sample Pending :

SE-Vitamin B12 on 18/03/2022

Clinical Notes : 31 yo F - troubles with weight loss for a
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Vitamin B12

Date	18/03/22		
Time	1620		
Lab No.	435387182	Units	Reference
Vitamin B12	142	pmol/L	(139-651)
Active B12	91	pmol/L	(23-100)

Comments on Collection 18/03/22 1620:

Vitamin B12

Both B12 and active B12 are in the normal range.

Vitamin B12 deficiency is unlikely.

In line with Medical Benefits Schedule changes from 1st November 2014,
people with low or equivocal vitamin B12 results (<340 pmol/L) will be
routinely tested for holo-transcobalamin (active B12) to clarify their B12
status. Both tests are now Medicare rebatable. Those with vitamin B12
concentrations over 339 pmol/L are generally replete.
<http://www.msac.gov.au/internet/msac/publishing.nsf/Content/0013r-public>

CA

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Iron Studies,HDL & CHOL,C Reactive Protein,
Vitamin B12,Folate Serum,TFT,Active B12,
VITAMIN D 25 OH,HbA1c,FBC

Tests Pending :
Sample Pending :

SE- Thyroid Function on 18/03/2022

Clinical Notes : 31 yo F - troubles with weight loss for a
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Thyroid Function

Date	18/03/22		
Time	1620		
Lab No.	435387182	Units	Reference
TSH	0.79	mU/L	(0.4-4.0)

Comments on Collection 18/03/22 1620:

TFT

Euthyroid levels.

CA

Clinipath Pathology NATA No: 2619-2612

Tests Completed: LFT, Renal Function,Electrolytes,Glucose Random,
Iron Studies,HDL & CHOL,C Reactive Protein,
Vitamin B12,Folate Serum,TFT,Active B12,
VITAMIN D 25 OH,HbA1c,FBC

Tests Pending :

Sample Pending :

SE- Folate Serum on 18/03/2022

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Serum Folate

Date	18/03/22		
Time	1620		
Lab No.	435387182	Units	Reference
Serum Folate	9.4	ug/L	(>3.8)

Folate Serum Method and RI change as of 21-07-16.

CA

Clinipath Pathology NATA No: 2619-2612

Tests Completed: LFT, Renal Function,Electrolytes,Glucose Random,
Iron Studies,HDL & CHOL,C Reactive Protein,
Vitamin B12,Folate Serum,TFT,Active B12,
VITAMIN D 25 OH,HbA1c,FBC

Tests Pending :

Sample Pending :

SE-VITAMIN D 25 OH on 18/03/2022

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Date	18/03/22		
Time	1620		
Lab No.	435387182	Units	Reference
25OH Vit D	77	nmol/L	(50-150)

Comments on Collection 18/03/22 1620:

If at risk of falls or fractures suggest reassess Vitamin D at end of winter.

ANZBMS updated Position Statement Vitamin D and health in adults in Australia and New Zealand MJA 196 (11) 2012.

Vitamin D adequacy: >49 nmol/L at the end of winter (level may need to be 10-20 nmol/L higher at the end of summer, to allow for seasonal decrease).

Mild Deficiency	30-49	nmol/L
Moderate Deficiency	12.5-29	nmol/L
Severe Deficiency	< 12.5	nmol/L

Medicare rebates for vitamin D testing are available for patients at risk of Vitamin D deficiency such as all those with chronic lack of sun exposure.

As 37% of Vitamin D requests in our practice show deficiency, we presume that your patient complies with the funding criteria. If this is not the case, please contact our accounts dept.

SA

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Tests Completed: LFT, Renal Function,Electrolytes,Glucose Random,
Iron Studies,HDL & CHOL,C Reactive Protein,
Vitamin B12,Folate Serum,TFT,Active B12,
VITAMIN D 25 OH,HbA1c,FBC

Tests Pending :

Sample Pending :

ED-Haemoglobin A1c on 18/03/2022

Clinical Notes : 31 yo F - troubles with weight loss for a long time. Longstanding migraines, headaches, anxiety

HbA1c

Date	18/03/22		
Time	1620		
Lab No.	435387182	Units	Reference
HbA1c (NGSP)	5.3	%	(<6.5)
HbA1c (IFCC)	34	mmol/mol	(<48)
Estimated Av Gluco	5.8	mmol/L	

Comments on Collection 18/03/22 1620:

HbA1c

HbA1c is now Medicare rebateable (once per year) for diagnosis of diabetes mellitus in high risk people. The diagnostic cut-off is HbA1c $\geq$ 6.5% and/or 48 mmol/mol.

Queries: Dr A. Simpson, Dr K. Kahapola, Dr D. Bell and Dr P. Glendenning (08)9371 4200.

Please note change in reference range.

HA

Clinipath Pathology NATA No: 2619-2612

Tests Completed: LFT, Renal Function,Electrolytes,Glucose Random,
Iron Studies,HDL & CHOL,C Reactive Protein,
Vitamin B12,Folate Serum,TFT,Active B12,
VITAMIN D 25 OH,HbA1c,FBC

Tests Pending :

Sample Pending :