

.ANAEMIA on 20/03/2023

Haematinics

				Latest Results		
Date	07-Mar-22	10-Mar-22	28-Mar-22	20-Mar-23		
Time	1533	1255	0917	1019		
Lab Id.	666479549	666479528	665562920	672242174	Reference	Units
Iron			25	25	(5-30)	umol/L
Transferrin			2.5	2.6	(1.9-3.1)	g/L
TIBC			64	66	(47-77)	umol/L
Trans Sat			39	38	(20-45)	%
Ferritin	84	63	48	87	(30-250)	ug/L
CRP			0.5		(<5)	mg/L
Vitamin B12			302		(>150)	pmol/L
Active B12			60	70	(>35)	pmol/L
Folate serum			17	27	(>7.0)	nmol/L

Comments on Collection 20-Mar-23 1019:
Iron Studies
Normal Iron Status.

Active B12 (holotranscobalamin) is the biologically active fraction of total serum B12, and should be a superior indicator of B12 status. **Holotranscobalamin** level indicates Vitamin B12 deficiency unlikely. Up to 15% of patients will have a deficiency of carrier protein (haptocorrin) that does not appear to result in a clinically recognisable Vitamin B12 deficiency despite low total Vitamin B12 levels.

EA

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: Iron Studies,E/LFT,TSH,Folate (Serum),FSH,hCG (Qual),
Active B12,Vitamin D,FBE

Tests Pending :
Sample Pending :

S- THYROID FUNCTION on 20/03/2023

Thyroid Function Tests

				Latest Results		
Date	24-Aug-17	03-Jul-20	28-Mar-22	20-Mar-23		
Time F-Fast	1540	0853 F	0917	1019		
Lab Id.	638859619	653672678	665562920	672242174	Reference	Units
TSH	1.6	1.1	0.5	1.2	(0.3-3.5)	mIU/L

Comments on Collection 20-Mar-23 1019:
Euthyroid

EA

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Tests Completed: Iron Studies,E/LFT,TSH,Folate (Serum),FSH,hCG (Qual),
Active B12,Vitamin D,FBE

Tests Pending :
Sample Pending :

S- FERTILITY HORMONES on 20/03/2023

Gonadal Hormones

FSH 9 IU/L

Reference FSH
Limits IU/L
Follicular 2 - 10
Mid-Cycle 7 - 24
Luteal 1 - 10
Menopausal 20 - 140
OCP <5
Comments on Collection 672242174

EA

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Tests Completed: Iron Studies,E/LFT,TSH,Folate (Serum),FSH,hCG (Qual),
Active B12,Vitamin D,FBE

Tests Pending :
Sample Pending :

S-VITAMIN D on 20/03/2023

	Latest Results					
Date	03-Jul-20	28-Mar-22	20-Mar-23			
Time F-Fast	0853 F	0917	1019			
Lab Id.	653672678	665562920	672242174	Reference	Units	
Hydroxycalciferol	45 L	41 L	56	(50-150)	nmol/L	

Comments on Collection 20-Mar-23 1019:
According to the Position Statement 'Vitamin D and health in adults in Australia and New Zealand' MJA, 196(11):1-7, 2012, vitamin D status is defined as:

Vitamin D adequacy: >49 nmol/L at the end of winter
(levels may need to be 10-20 nmol/L higher at the end of summer, to allow for seasonal decrease.)
Mild vitamin D deficiency: 30-49 nmol/L
Moderate vitamin deficiency: 12.5-29 nmol/L
Severe vitamin D deficiency: < 12.5 nmol/L

EA

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Tests Completed: Iron Studies,E/LFT,TSH,Folate (Serum),FSH,hCG (Qual),
Active B12,Vitamin D,FBE

Tests Pending :
Sample Pending :

.BLOOD COUNT on 20/03/2023

Haematology

Date	Time	Lab Id.	Latest Results			
			07-Mar-22	10-Mar-22	28-Mar-22	20-Mar-23
			1533	1255	0917	1019
			666479549	666479528	665562920	672242174
						Reference Units
Haemoglobin			124	120	128	142 (115-165) g/L
Haematocrit			0.38	0.37	0.39	0.44 (0.35-0.47)
RCC			4.1	3.9	4.1	4.6 (3.9-5.6) 10*12/L
MCV			93	95	95	96 (80-100) fL
WCC			10.9	7.3	7.8	7.6 (3.5-12.0) 10*9/L
Neutrophils			7.03	3.99	5.08	4.35 (1.5-8.0) 10*9/L
Lymphocytes			2.71	2.39	1.93	2.42 (1.0-4.0) 10*9/L
Monocytes			0.99 H	0.76	0.67	0.63 (0-0.9) 10*9/L
Eosinophils			0.11	0.13	0.11	0.12 (0-0.6) 10*9/L
Basophils			0.05	0.04	0.03	0.03 (0-0.15) 10*9/L
Platelets			365	382	329	366 (150-400) 10*9/L

HA

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Tests Completed: Iron Studies, E/LFT, TSH, Folate (Serum), FSH, hCG (Qual),
Active B12, Vitamin D, FBE

Tests Pending :
Sample Pending :

S- ROUTINE CHEMISTRY on 20/03/2023

Chemistry (serum)

Date	Time	F-Fast	Lab Id.	Latest Results			
				24-Aug-17	03-Jul-20	28-Mar-22	20-Mar-23
				1540	0853 F	0917	1019
				638859619	653672678	665562920	672242174
							Reference Units
Sodium				138	139	139	137 (135-145) mmol/L
Potassium				4.1	4.4	4.1	4.2 (3.5-5.5) mmol/L
Chloride				101	106	105	104 (95-110) mmol/L
Bicarbonate				30	28	28	24 (20-32) mmol/L
Anion Gap				7	5	6	9 (<16) mmol/L
Calcium (Corr.)				2.34	2.25	2.31	2.30 (2.10-2.60) mmol/L
Phosphate				1.49	1.05	0.96	1.08 (0.80-1.50) mmol/L
Urea				8.3 H	2.8	4.1	4.5 (2.5-7.0) mmol/L
Urate				0.303	0.306	0.345	0.356 (0.150-0.400) mmol/L
Creatinine				65	60	58	63 (45-85) umol/L
eGFR				>90	>90	>90	>90 (>59)
Fast. Glucose					5.1		
Random Glucose				4.6		5.9	6.1 (3.6-7.7) mmol/L
Total Protein				79	73	70	74 (64-81) g/L
Albumin				38	40	38	41 (33-46) g/L
Globulin				41	33	32	33 (23-43) g/L

T Bilirubin	6	6	9	11	(<16)	umol/L
ALP	165 H	107 H	107 H	104	(20-105)	U/L
AST	25	23	19	33	(10-35)	U/L
ALT	27	21	17	35 H	(5-30)	U/L
GGT	26	41 H	51 H	71 H	(5-35)	U/L
LDH	187	163	141	190	(120-250)	U/L
Cholesterol	6.1 H	4.6	4.0	4.8	(<5.6)	mmol/L
Triglyceride		1.9			(0.6-2.0)	mmol/L
Haemolysis Index	7	5	4	12	(<40)	mg/dL

Comments on Collection 20-Mar-23 1019:

E/LFT

LD and AST may be falsely elevated due to mild haemolysis.

CA

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No 1964

Tests Completed: Iron Studies, E/LFT, TSH, Folate (Serum), FSH, hCG (Qual),
Active B12, Vitamin D, FBE

Tests Pending :

Sample Pending :

US Thyroid on 13/07/2023

 SOUTH COAST RADIOLOGY	Patient Name: MACDERMID, Allyce	Address: 29 Sunshine Avenue NSW
	DOB: 29/09/1984	2486
	Gender: F	Phone: 0409762314
		Medicare Number: 4321 31428 9-2

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ULTRASOUND THYROID

Sonographer:KW

HISTORY

Has pain and tenderness at left anterior cervical chain.

FINDINGS

The right lobe of thyroid measures 6cc in volume The left lobe of thyroid measures 7.5cc in volume. The Isthmus measures 1.8mm in AP dimension. Both lobes of thyroid demonstrate normal echogenicity vascularity. No retrosternal extension is evident.

In the right lobe of thyroid mid pole there is a 13 x 5 x 9mm TI RADS 5 nodule. In this lobe lower pole there is a 5 x 6 x 7mm TI RADS 5 nodule.

In the region of interest at the left lobe of thyroid mid-pole there is 30 x 18 x 13mm TI RADS 5 nodule.

There is a small rounded lymph node inferior to the left lobe of thyroid, measuring 2.7mm in short axis. Further inferiorly there is a 3.2mm short axis lymph node. These lymph nodes are not significantly enlarged based on size criteria.

IMPRESSION

Three TI RADS 5 nodules in the thyroid gland.

The right lobe mid-pole 13 x 5 x 9mm TI RADS 5 nodule is amenable for ultrasound guided FNA.

In the region of interest that is of the left lobe of thyroid mid-pole 30 x 18 x 13mm TI RADS 5 nodule is amenable for ultrasound guided FNA.

Thank you for referring this patient

Electronically Validated By

DR ALI ELISAY

ACR GUIDELINES: Follow-up or FNA for thyroid nodules.

TI-RADS 1: No FNA

TI-RADS 2: No FNA

TI-RADS 3: FNA if >2.5 cm. Follow up if >1.5cm at 1, 3, and 5 y

TI-RADS 4: FNA if >1.5 cm. Follow up if >1cm at 1, 2, 3, and 5 y

TI-RADS 5: FNA if >1cm. Follow up if >0.5cm annually until 5 y

Reference: Tessler FN, Middleton WD, Grant EG, Hoang JK, Berland LL, et al. ACR Thyroid Imaging, Reporting and Data System (TI-RADS): White Paper of the

ACR TI-RADS Committee. (2017) Journal of the American College of Radiology : JACR. 14 (5): 587-595.

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