

KO, SUSAN
19 TEAL PL, TAIGUM. 4018
Phone: 0418757452
Birthdate: 18/07/1976 Sex: F Medicare Number: 4223917028
Your Reference: 3C92686E69 Lab Reference: 671898211-H-H900
Laboratory: SNP
Addressee: DR M B MCSHANE Referred by: DR M B MCSHANE

Name of Test: .BLOOD COUNT
Requested: 20/04/2023 Collected: 20/04/2023 Reported: 20/04/2023
17:37

Clinical notes: extensive chronic eczema, history vit B12 defic. Fasting.

Clinical Notes : extensive chronic eczema, history vit B12
defic. Fasting.

Haematology

Date	Latest Results				Reference	Units
	07-May-15	18-Nov-20	17-Nov-21	20-Apr-23		
Time F-Fast	0921 F	1141 F	0744 F	1120 F		
Lab Id.	616387726	657206503	663279033	671898211		
Haemoglobin	122	127	121	123	(115-165)	g/L
Haematocrit	0.36	0.36	0.36	0.37	(0.35-0.47)	
RCC	3.9	3.9	3.7 L	3.9	(3.9-5.6)	10 ¹² /L
MCV	92	94	97	95	(80-100)	fL
WCC	4.5	5.6	3.7	4.5	(3.5-12.0)	10 ⁹ /L
Neutrophils	2.96	4.16	2.04	3.37	(1.5-8.0)	10 ⁹ /L
Lymphocytes	1.21	0.91 L	1.12	0.73 L	(1.0-4.0)	10 ⁹ /L
Monocytes	0.27	0.39	0.35	0.34	(0-0.9)	10 ⁹ /L
Eosinophils	0.05	0.05	0.15	0.03	(0-0.6)	10 ⁹ /L
Basophils	0.02	0.04	0.02	0.04	(0-0.15)	10 ⁹ /L
Platelets	223	232	217	251	(150-400)	10 ⁹ /L

HA

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

Tests Completed: FBE

Tests Pending : Ionised Calcium, Iron Studies, Zinc, E/LFT, TSH,
Vitamin B12, Vitamin D, Intrinsic Factor Abs, GPC abs

Sample Pending :

B12 supplement
Repeat test 3 months

KO, SUSAN
19 TEAL PL, TAIGUM. 4018
Phone: 0418757452
Birthdate: 18/07/1976 Sex: F Medicare Number: 4223917028
Your Reference: 3C92686E69 Lab Reference: 671898211-C-B099
Laboratory: SNP
Addressee: DR M B MCSHANE Referred by: DR M B MCSHANE

Name of Test: ZINC VIRTUAL
Requested: 20/04/2023 Collected: 20/04/2023 Reported: 21/04/2023
11:07

Clinical notes: extensive chronic eczema, history vit B12 defic. Fasting.

Clinical Notes : extensive chronic eczema, history vit B12
defic. Fasting.

Zinc

Date	07-May-15	18-Nov-20	17-Nov-21	Latest Results	
Time F-Fast	0921 F	1141 F	0744 F	20-Apr-23	
Lab Id.	616387726	657206503	663279033	1120 F	
				671898211	Reference Units
Zinc-plasma	11.1	11.3	17.4	10.7	(9.0-19.0) umol/L
CA					

Sullivan Nicolaides Pty Ltd. ABN 38 078 202 196. NATA/RCPA Accreditation No
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Tests Completed: Ionised Calcium, Iron Studies, Zinc, E/LFT, TSH,
Vitamin B12, Active B12, Vitamin D, FBE

Tests Pending : Intrinsic Factor Abs, GPC abs

Sample Pending :

*Zinc supplement
intermittently.*

KO, SUSAN
19 TEAL PL, TAIGUM. 4018
Phone: 0418757452
Birthdate: 18/07/1976 Sex: F Medicare Number: 4223917028
Your Reference: 3C92686E69 Lab Reference: 671898211-C-H245
Laboratory: SNP
Addressee: DR M B MCSHANE Referred by: DR M B MCSHANE

Name of Test: .ANAEMIA
Requested: 20/04/2023 Collected: 20/04/2023 Reported: 21/04/2023
05:39

Clinical notes: extensive chronic eczema, history vit B12 defic. Fasting.

Clinical Notes : extensive chronic eczema, history vit B12
defic. Fasting.

Haematinics

Date	Latest Results				Units
	07-May-15	18-Nov-20	17-Nov-21	20-Apr-23	
Time F-Fast	0921 F	1141 F	0744 F	1120 F	
Lab Id.	616387726	657206503	663279033	671898211	Reference
Iron	12	14	15	10	(5-30) umol/L
Transferrin		2.2	2.0	2.3	(1.9-3.1) g/L
TIBC	47	54	49	58	(47-77) umol/L
Trans Sat	26	26	31	17 L	(20-45) %
Ferritin	81	126	93	78	(30-300) ug/L
CRP			<0.4		(<5) mg/L
Vitamin B12	916	368		337	(>150) pmol/L
Active B12		120	73	99	(>35) pmol/L

Comments on Collection 20-Apr-23 1120 F:

Iron Studies

The normal ferritin implies normal iron stores. However, a normal ferritin level may be seen in iron deficient patients who have recently taken oral iron, or who have an intercurrent illness causing ferritin elevation.

All patients with low or equivocal vitamin B12 results (380 pmol/L or less) will be routinely tested for holo-transcobalamin (active B12) to clarify the B12 status.

Both tests are now Medicare rebateable. Vitamin B12 concentrations over 380 pmol/L are generally considered replete.

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: Ionised Calcium, Iron Studies, E/LFT, TSH, Vitamin B12, Active B12, Vitamin D, FBE

Tests Pending : Zinc, Intrinsic Factor Abs, GPC abs
Sample Pending :

KO, SUSAN
 19 TEAL PL, TAIGUM. 4018
 Phone: 0418757452
 Birthdate: 18/07/1976 Sex: F Medicare Number: 4223917028
 Your Reference: 3C92686E69 Lab Reference: 671898211-C-C140
 Laboratory: SNP
 Addressee: DR M B MCSHANE Referred by: DR M B MCSHANE

Name of Test: S- ROUTINE CHEMISTRY
 Requested: 20/04/2023 Collected: 20/04/2023 Reported: 21/04/2023
 05:39

Clinical notes: extensive chronic eczema, history vit B12 defic. Fasting.

Clinical Notes : extensive chronic eczema, history vit B12
 defic. Fasting.

Chemistry (serum)

Date Time F-Fast Lab Id.	Latest Results				Reference	Units
	07-May-15 0921 F 616387726	18-Nov-20 1141 F 657206503	17-Nov-21 0744 F 663279033	20-Apr-23 1120 F 671898211		
Sodium		140	138	139	(135-145)	mmol/L
Potassium		3.3 L	3.8	3.5	(3.5-5.5)	mmol/L
Chloride		106	105	105	(95-110)	mmol/L
Bicarbonate		26	27	26	(20-32)	mmol/L
Anion Gap		8	6	8	(<16)	mmol/L
Calcium (Corr.)		2.34	2.36	2.25	(2.10-2.60)	mmol/L
Phosphate		1.17	1.13	1.09	(0.80-1.50)	mmol/L
Urea		4.1	4.1	4.8	(2.5-7.0)	mmol/L
Urate		0.293	0.310	0.313	(0.150-0.400)	mmol/L
Creatinine		66	62	64	(45-85)	umol/L
eGFR		>90	>90	>90	(>59)	
Fast. Glucose		5.4	4.8	4.9	(3.6-6.0)	mmol/L
Total Protein		72	66	73	(64-81)	g/L
Albumin		41	38	44	(33-46)	g/L
Globulin		31	28	29	(23-43)	g/L
T Bilirubin		18 H	10	13	(<16)	umol/L
ALP		58	72	66	(20-105)	U/L
AST		19	23	19	(10-35)	U/L
ALT		17	22	13	(5-30)	U/L
GGT		11	8	10	(5-35)	U/L
LDH		294 H	302 H	259 H	(<250)	U/L
Cholesterol		4.7	4.6	5.3	(<5.6)	mmol/L
Haemolysis Index	5	6	5	6	(<40)	mg/dL

CA

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

Tests Completed: Ionised Calcium, Iron Studies, E/LFT, TSH, Vitamin B12,
 Active B12, Vitamin D, FBE

Tests Pending : Zinc, Intrinsic Factor Abs, GPC abs

Sample Pending :

KO, SUSAN
19 TEAL PL, TAIGUM. 4018
Phone: 0418757452
Birthdate: 18/07/1976 Sex: F Medicare Number: 4223917028
Your Reference: 3C92686E69 Lab Reference: 671898211-C-C202
Laboratory: SNP
Addressee: DR M B MCSHANE Referred by: DR M B MCSHANE

Name of Test: S-IONISED CALCIUM
Requested: 20/04/2023 Collected: 20/04/2023 Reported: 21/04/2023
05:39

Clinical notes: extensive chronic eczema, history vit B12 defic. Fasting.

Clinical Notes : extensive chronic eczema, history vit B12
defic. Fasting.

Date	30-Oct-14	18-Nov-20	17-Nov-21	20-Apr-23	Latest Results	
Time F-Fast	1015 F	1141 F	0744 F	1120 F		
Lab Id.	598749894	657206503	663279033	671898211	Reference	Units
Free Calcium	1.21	1.24	1.14 L	1.17	(1.16-1.32)	mmol/L
Free Ca Corr (pH)	1.22	1.25	1.21	1.17	(1.16-1.32)	mmol/L
CA						

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

Tests Completed: Ionised Calcium, Iron Studies, E/LFT, TSH, Vitamin B12,
Active B12, Vitamin D, FBE

Tests Pending : Zinc, Intrinsic Factor Abs, GPC abs
Sample Pending :

KO, SUSAN
19 TEAL PL, TAIGUM. 4018
Phone: 0418757452
Birthdate: 18/07/1976 Sex: F Medicare Number: 4223917028
Your Reference: 3C92686E69 Lab Reference: 671898211-E-E405
Laboratory: SNP
Addressee: DR M B MCSHANE Referred by: DR M B MCSHANE

Name of Test: S-VITAMIN D
Requested: 20/04/2023 Collected: 20/04/2023 Reported: 21/04/2023
05:39

Clinical notes: extensive chronic eczema, history vit B12 defic. Fasting.

Clinical Notes : extensive chronic eczema, history vit B12
defic. Fasting.

Date	30-Oct-14	18-Nov-20	17-Nov-21	Latest Results 20-Apr-23	
Time F-Fast	1015 F	1141 F	0744 F	1120 F	(00)
Lab Id.	598749894	657206503	663279033	671898211	Reference Units
Hydroxycalciferol	79	82	58	71	(50-150) nmol/L

Comments on Collection 20-Apr-23 1120 F:
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 D deficiency: 12.5-29 nmol/L

Severe vitamin D deficiency: < 12.5 nmol/L

EA

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

Tests Completed: Ionised Calcium, Iron Studies, E/LFT, TSH, Vitamin B12,
Active B12, Vitamin D, FBE

Tests Pending : Zinc, Intrinsic Factor Abs, GPC abs

Sample Pending :

5,000 i.u. Vit D/day
or 3,000 i.u. Vit D/day

Vit B12 Spray under tongue

KO, SUSAN
19 TEAL PL, TAIGUM. 4018
Phone: 0418757452
Birthdate: 18/07/1976 Sex: F Medicare Number: 4223917028
Your Reference: 3C92686E69 Lab Reference: 671898211-E-E030
Laboratory: SNP
Addressee: DR M B MCSHANE Referred by: DR M B MCSHANE

Name of Test: S- THYROID FUNCTION
Requested: 20/04/2023 Collected: 20/04/2023 Reported: 21/04/2023
05:39

Clinical notes: extensive chronic eczema, history vit B12 defic. Fasting.

Clinical Notes : extensive chronic eczema, history vit B12
defic. Fasting.

Thyroid Function Tests

	Latest Results					
Date	30-Oct-14	18-Nov-20	17-Nov-21	20-Apr-23		
Time F-Fast	1015 F	1141 F	0744 F	1120 F		
Lab Id.	598749894	657206503	663279033	671898211	Reference	Units
TSH	1.7	1.3	2.1	1.2	(0.3-3.5)	mIU/L

Comments on Collection 20-Apr-23 1120 F:
Euthyroid

EA

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

Tests Completed: Ionised Calcium, Iron Studies, E/LFT, TSH, Vitamin B12,
Active B12, Vitamin D, FBE

Tests Pending : Zinc, Intrinsic Factor Abs, GPC abs

Sample Pending :