

RYAN, BROOKE  
28 GOWEN DRIVE, LANDSBOROUGH. 4550

Phone: 0427491393

Birthdate: 01/04/1982 Sex: F Medicare Number: 4326482677

Your Reference: 2B71C31355 Lab Reference: 686277725-C-C140

Laboratory: SNP

Addressee: DR SYLVIA SHRESTHA Referred by: DR SYLVIA SHRESTHA

Name of Test: S- ROUTINE CHEMISTRY

Requested: 10/07/2024 Collected: 13/07/2024 Reported: 13/07/2024  
18:00

Clinical notes: Bloating and constipation since childhood, Rule out celiac disease, Prev iron deficiency issues. , . Fasting.

Clinical Notes : Bloating and constipation since childhood,  
Rule out celiac disease, Prev iron deficiency  
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Chemistry (serum)

Date	Latest Results			
	08-Jun-21	13-Jul-24		
Time F-Fast	1536	0908 F		
Lab Id.	661031370	686277725	Reference	Units
Sodium	139	140	(135-145)	mmol/L
Potassium	3.8	3.9	(3.5-5.5)	mmol/L
Chloride	106	107	(95-110)	mmol/L
Bicarbonate	28	24	(20-32)	mmol/L
Anion Gap	5	9	(<16)	mmol/L
Calcium (Corr.)	2.33	2.32	(2.10-2.60)	mmol/L
Phosphate	1.14	1.01	(0.80-1.50)	mmol/L
Urea	4.4	2.9	(2.5-7.0)	mmol/L
Urate	0.278	0.270	(0.150-0.400)	mmol/L
Creatinine	68	74	(45-85)	umol/L
eGFR	>90	86	(>59)	
Fast. Glucose		4.1	(3.6-6.0)	mmol/L
Random Glucose	4.7		(3.6-7.7)	mmol/L
Total Protein	67	67	(64-81)	g/L
Albumin	41	42	(33-46)	g/L
Globulin	26	25	(23-43)	g/L
T Bilirubin	16 H	19 H	(<16)	umol/L
ALP	34	32	(20-105)	U/L
AST	19	20	(10-35)	U/L
ALT	13	26	(5-30)	U/L
GGT	10	15	(5-35)	U/L
LDH	162	193	(<250)	U/L
Cholesterol	5.2	5.5	(<5.6)	mmol/L
Triglyceride		0.6	(<2.1)	mmol/L
Magnesium		0.84	(0.70-1.10)	mmol/L
Haemolysis Index	7	2	(<40)	mg/dL

CA

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

Tests Completed: Glucose,HDL-Cholesterol,Magnesium ,E/LFT,FBE

Tests Pending : Ferritin,TSH,Vitamin B12,Folate (Serum),Vitamin D,

TTG Abs,Gliadin Abs,IgA  
Sample Pending :

RYAN, BROOKE  
28 GOWEN DRIVE, LANDSBOROUGH. 4550  
Phone: 0427491393  
Birthdate: 01/04/1982 Sex: F Medicare Number: 4326482677  
Your Reference: 2B71C31355 Lab Reference: 686277725-C-C847  
Laboratory: SNP  
Addressee: DR SYLVIA SHRESTHA Referred by: DR SYLVIA SHRESTHA

Name of Test: S- LIPID PROFILE  
Requested: 10/07/2024 Collected: 13/07/2024 Reported: 13/07/2024  
18:00

Clinical notes: Bloating and constipation since childhood, Rule out celiac disease, Prev iron deficiency issues. , . Fasting.

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#### Lipid Profile

Date	Latest Results			
	08-Jun-21	13-Jul-24		
Time F-Fast	1536	0908 F		
Lab Id.	661031370	686277725	Reference	Units
Cholesterol	5.2	5.5	(<5.6)	mmol/L
Triglyceride		0.6	(<2.1)	mmol/L
HDL		1.88	(>1.09)	mmol/L
LDL		3.4	(<4.1)	mmol/L
Chol/HDL Ratio		2.9	(<4.6)	
Non HDLC		3.62	(<3.81)	mmol/L

Comments on Collection 13-Jul-24 0908 F:

HDL-Cholesterol

LDL is now calculated by the Sampson equation which allows an accurate result at higher triglyceride levels.

The National Vascular Disease Prevention Alliance (NVDPA) guidelines recommend a target level of less than 2.5 mmol/L for non-HDLC.

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 and familial hyperlipidaemic conditions) 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 the most significant marker for subclinical atherosclerosis (ref: Cardiology Today 2013; 3(2) : pp25-27).

CA

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Tests Completed: Glucose,HDL-Cholesterol,Magnesium ,E/LFT,FBE  
Tests Pending : Ferritin,TSH,Vitamin B12,Folate (Serum),Vitamin D,  
TTG Abs,Gliadin Abs,IgA

Sample Pending :

RYAN, BROOKE  
28 GOWEN DRIVE, LANDSBOROUGH. 4550  
**Phone:** 0427491393  
**Birthdate:** 01/04/1982 **Sex:** F **Medicare Number:** 4326482677  
**Your Reference:** 2B71C31355 **Lab Reference:** 686277725-H-H900  
**Laboratory:** SNP  
**Addressee:** DR SYLVIA SHRESTHA **Referred by:** DR SYLVIA SHRESTHA

**Name of Test:** .BLOOD COUNT  
**Requested:** 10/07/2024 **Collected:** 13/07/2024 **Reported:** 13/07/2024  
18:00

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#### Haematology

Date	Latest Results			
	08-Jun-21	13-Jul-24		
<b>Time F-Fast</b>	1536	0908 F		
<b>Lab Id.</b>	661031370	686277725	Reference	Units
<b>Haemoglobin</b>	125	128	(115-165)	g/L
Haematocrit	0.38	0.39	(0.35-0.47)	
RCC	4.2	4.3	(3.9-5.6)	10*12/L
MCV	91	90	(80-100)	fL
<b>WCC</b>	8.7	6.4	(3.5-12.0)	10*9/L
Neutrophils	5.06	3.64	(1.5-8.0)	10*9/L
Lymphocytes	2.79	2.08	(1.0-4.0)	10*9/L
Monocytes	0.55	0.51	(0-0.9)	10*9/L
Eosinophils	0.23	0.16	(0-0.6)	10*9/L
Basophils	0.02	0.03	(0-0.15)	10*9/L
<b>Platelets</b>	187	198	(150-400)	10*9/L

HA

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Tests Completed: Glucose,HDL-Cholesterol,Magnesium ,E/LFT,FBE  
Tests Pending : Ferritin,TSH,Vitamin B12,Folate (Serum),Vitamin D,  
TTG Abs,Gliadin Abs,IgA  
Sample Pending :

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**Phone:** 0427491393  
**Birthdate:** 01/04/1982 **Sex:** F **Medicare Number:** 4326482677  
**Your Reference:** 2B71C31355 **Lab Reference:** 686277725-C-H245  
**Laboratory:** SNP  
**Addressee:** DR SYLVIA SHRESTHA **Referred by:** DR SYLVIA SHRESTHA

**Name of Test:** .ANAEMIA

**Requested:** 10/07/2024      **Collected:** 13/07/2024      **Reported:** 13/07/2024  
19:55

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**Haematinics**

Date	Latest Results			Reference	Units
	08-Jun-21	13-Jul-24			
<b>Time F-Fast</b>	1536	<b>0908 F</b>			
<b>Lab Id.</b>	661031370	<b>686277725</b>			
Iron	16		(5-30)		umol/L
Transferrin	2.4		(1.9-3.1)		g/L
TIBC	61		(47-77)		umol/L
Trans Sat	26		(20-45)		%
Ferritin	45	45	(30-250)		ug/L
CRP	0.6		(<5)		mg/L
Vitamin B12	339	292	(>150)		pmol/L
Active B12	100	77	(>35)		pmol/L
Folate serum	24	30	(>7.0)		nmol/L

Comments on Collection 13-Jul-24 0908 F:

Ferritin

Normal iron stores.

Note that in uraemic patients a functional iron deficiency may be present at ferritin levels up to 200 ug/L.

All patients with low or equivocal vitamin B12 results (400 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 400 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

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Tests Completed: Glucose,HDL-Cholesterol,Ferritin,Magnesium ,E/LFT,  
TSH,Vitamin B12,Folate (Serum),Active B12,Vitamin D,FBE

Tests Pending : TTG Abs,Gliadin Abs,IgA

Sample Pending :

RYAN, BROOKE

28 GOWEN DRIVE, LANDSBOROUGH. 4550

**Phone:** 0427491393

**Birthdate:** 01/04/1982      **Sex:** F      **Medicare Number:** 4326482677

**Your Reference:** 2B71C31355      **Lab Reference:** 686277725-E-E030

**Laboratory:** SNP

**Addressee:** DR SYLVIA SHRESTHA      **Referred by:** DR SYLVIA SHRESTHA

**Name of Test:** S- THYROID FUNCTION  
**Requested:** 10/07/2024 **Collected:** 13/07/2024 **Reported:** 13/07/2024  
19:55

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**Thyroid Function Tests**

		Latest Results		
Date	08-Jun-21	13-Jul-24		
Time F-Fast	1536	0908 F		
Lab Id.	661031370	686277725	Reference	Units
Free T4	10.7		(9.0-19.0)	pmol/L
TSH	2.4	2.0	(0.3-3.5)	mIU/L

Comments on Collection 13-Jul-24 0908 F:  
Euthyroid

EA

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

Tests Completed: Glucose,HDL-Cholesterol,Ferritin,Magnesium ,E/LFT,  
TSH,Vitamin B12,Folate (Serum),Active B12,Vitamin D,FBE  
Tests Pending : TTG Abs,Gliadin Abs,IgA  
Sample Pending :

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**Phone:** 0427491393  
**Birthdate:** 01/04/1982 **Sex:** F **Medicare Number:** 4326482677  
**Your Reference:** 2B71C31355 **Lab Reference:** 686277725-E-E405  
**Laboratory:** SNP  
**Addressee:** DR SYLVIA SHRESTHA **Referred by:** DR SYLVIA SHRESTHA

**Name of Test:** S-VITAMIN D  
**Requested:** 10/07/2024 **Collected:** 13/07/2024 **Reported:** 13/07/2024  
19:55

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**25 Hydroxy Vitamin D**

25-OH Vitamin D 102 ( 50 - 150 ) nmol/L

Comments on Collection 686277725

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: Glucose,HDL-Cholesterol,Ferritin,Magnesium ,E/LFT,  
TSH,Vitamin B12,Folate (Serum),Active B12,Vitamin D,FBE  
Tests Pending : TTG Abs,Gliadin Abs,IgA  
Sample Pending :

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**Phone:** 0427491393  
**Birthdate:** 01/04/1982 **Sex:** F **Medicare Number:** 4326482677  
**Your Reference:** 2B71C31355 **Lab Reference:** 686277725-I-I907  
**Laboratory:** SNP  
**Addressee:** DR SYLVIA SHRESTHA **Referred by:** DR SYLVIA SHRESTHA

**Name of Test:** S-Coeliac Autoabs  
**Requested:** 10/07/2024 **Collected:** 13/07/2024 **Reported:** 14/07/2024  
04:55

**Clinical notes:** Bloating and constipation since childhood, Rule out celiac  
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#### Coeliac Autoabs

		Latest Results		
Date		08-Jun-21	13-Jul-24	
Time F-Fast		1536	0908 F	
Lab Id.		661031370	686277725	Reference Units
TTG IgA Abs	<1	<1	(<7)	U/mL
Gliadin (DGP) IgG	<1	<1	(<7)	U/mL
IgA		0.75 L	(1.24-4.16)	g/L

Comments on Collection 13-Jul-24 0908 F:  
With a normal or near normal IgA, the presence of CD is very unlikely  
(<5%). If suggestive symptoms, signs or family history, coeliac tissue  
typing or endoscopy may help exclude the disease further.

IA

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Tests Completed: Glucose,HDL-Cholesterol,Ferritin,Magnesium ,E/LFT,  
TSH,Vitamin B12,Folate (Serum),Active B12,Vitamin D,  
FBE,TTG Abs,Gliadin Abs,IgA  
Tests Pending :  
Sample Pending :

