

Hi Milena,

happy to let you know the bloods all look good. Your B12 has improved a lot -up to 92 from 40 a few months ago. The testing for absorption issues (coeliac disease and pernicious anaemia) were negative.

You can just continue with oral supplementation and a healthy diet. No need for further testing at present.

Kind regards

Dr Emma Fist

ATANASSOVA, MILENA
U5/19 AMPHILL ST, HIGHGATE HILL. 4101
Phone: 0490850905
Birthdate: 23/06/1989 **Sex:** F **Medicare Number:** 4328753394
Your Reference: 00136197 **Lab Reference:** 525791882-H-H900
Laboratory: SNP
Addressee: DR EMMA E FIST **Referred by:** DR EMMA E FIST

Name of Test: .BLOOD COUNT
Requested: 15/03/2024 **Collected:** 18/03/2024 **Reported:** 18/03/2024
14:33

Clinical notes: f/u low B 12 ? pernicious anaemia

Clinical Notes : f/u low B 12 ? pernicious anaemia

Haematology

Date	Latest Results				Reference	Units
	11-Mar-21	17-Dec-21	18-Jan-24	18-Mar-24		
Time	1138	1031	1257	1132		
Lab Id.	658075407	664291398	509630264	525791882		
Haemoglobin	129	124	122	119	(115-165)	g/L
Haematocrit	0.38	0.37	0.37	0.35	(0.35-0.47)	
RCC	4.3	4.1	4.2	4.0	(3.9-5.6)	10*12/L
MCV	88	91	90	89	(80-100)	fL
WCC	5.5	8.9	9.6	7.9	(3.5-12.0)	10*9/L
Neutrophils	2.69	5.92	6.29	4.96	(1.5-8.0)	10*9/L
Lymphocytes	2.11	2.15	2.71	2.27	(1.0-4.0)	10*9/L
Monocytes	0.44	0.55	0.42	0.47	(0-0.9)	10*9/L
Eosinophils	0.19	0.22	0.12	0.17	(0-0.6)	10*9/L
Basophils	0.05	0.05	0.03	0.04	(0-0.15)	10*9/L
Platelets	332	293	357	314	(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 : Iron Studies, Vitamin B12, Intrinsic Factor Abs,
GPC abs, TTG Abs, Gliadin Abs

Sample Pending :

ATANASSOVA, MILENA

U5/19 AMPTHILL ST, HIGHGATE HILL. 4101
Phone: 0490850905
Birthdate: 23/06/1989 **Sex:** F **Medicare Number:** 4328753394
Your Reference: 00136197 **Lab Reference:** 525791882-I-I023
Laboratory: SNP
Addressee: DR EMMA E FIST **Referred by:** DR EMMA E FIST

Name of Test: S-INTRINSIC FACTOR ABS
Requested: 15/03/2024 **Collected:** 18/03/2024 **Reported:** 19/03/2024
04:33

Clinical notes: f/u low B 12 ? pernicious anaemia

Clinical Notes : f/u low B 12 ? pernicious anaemia

		Latest Results	
Date	05-Jan-22	18-Mar-24	
Time	1434	1132	
Lab Id.	665274352	525791882	Reference Units

Intrinsic Fact Ab Negative Negative

Comments on Collection 18-Mar-24 1132:
Intrinsic factor antibody testing performed by FEIA.
Incidence of intrinsic factor (IF) antibodies: a positive result is found in 50-60% of patients with pernicious anaemia (PA), 6% of their relatives and <1% of unselected patients. Patients with chronic atrophic gastritis without PA may have a low serum B12 level and typically lack IF antibodies. In patients under 50, IF antibodies may be present without PA, and should not be relied upon to make the diagnosis. Parietal cell antibodies and gastric biopsy may be required.

IA

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

Tests Completed: Iron Studies,Vitamin B12,Active B12,FBE,
Intrinsic Factor Abs,GPC abs,TTG Abs,Gliadin Abs
Tests Pending :
Sample Pending :

ATANASSOVA, MILENA
U5/19 AMPTHILL ST, HIGHGATE HILL. 4101
Phone: 0490850905
Birthdate: 23/06/1989 **Sex:** F **Medicare Number:** 4328753394
Your Reference: 00136197 **Lab Reference:** 525791882-I-I917
Laboratory: SNP
Addressee: DR EMMA E FIST **Referred by:** DR EMMA E FIST

Name of Test: S-Autoantibodies
Requested: 15/03/2024 **Collected:** 18/03/2024 **Reported:** 19/03/2024
04:33

Clinical notes: f/u low B 12 ? pernicious anaemia

Clinical Notes : f/u low B 12 ? pernicious anaemia

Autoantibodies

		Latest Results	
Date	05-Jan-22	18-Mar-24	
Time	1434	1132	
Lab Id.	665274352	525791882	Reference Units

Parietal Abs Negative Negative

Comments on Collection 18-Mar-24 1132:
 Parietal cell antibody testing performed by FEIA.
 Incidence of anti-parietal cell antibodies: pernicious anaemia 84%;
 atrophic gastritis 47% ; hyperthyroidism, myxoedema and Hashimoto's
 thyroiditis 33% ; normal people <70 yrs 6% ;normal people >70 yrs 15%.

IA

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

Tests Completed: Iron Studies,Vitamin B12,Active B12,FBE,
 Intrinsic Factor Abs,GPC abs,TTG Abs,Gliadin Abs
 Tests Pending :
 Sample Pending :

ATANASSOVA, MILENA
 U5/19 AMPTHILL ST, HIGHGATE HILL. 4101
Phone: 0490850905
Birthdate: 23/06/1989 **Sex:** F **Medicare Number:** 4328753394
Your Reference: 00136197 **Lab Reference:** 525791882-I-I907
Laboratory: SNP
Addressee: DR EMMA E FIST **Referred by:** DR EMMA E FIST

Name of Test: S-Coeliac Autoabs
Requested: 15/03/2024 **Collected:** 18/03/2024 **Reported:** 19/03/2024
 04:33

Clinical notes: f/u low B 12 ? pernicious anaemia

Clinical Notes : f/u low B 12 ? pernicious anaemia

Coeliac Disease Autoantibodies

Tissue Transglutaminase IgA Abs	<1	(	<7	)	U/mL
Gliadin (deamidated) IgG Abs	<1	(	<7	)	U/mL

Comments on Lab Id: 525791882

The presence of coeliac disease is very unlikely (<5%).
 If suggestive symptoms, signs or family history, coeliac tissue typing or
 endoscopy may help exclude the disease further.

IA

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

Tests Completed: Iron Studies,Vitamin B12,Active B12,FBE,
 Intrinsic Factor Abs,GPC abs,TTG Abs,Gliadin Abs
 Tests Pending :
 Sample Pending :

ATANASSOVA, MILENA
 U5/19 AMPTHILL ST, HIGHGATE HILL. 4101
Phone: 0490850905
Birthdate: 23/06/1989 **Sex:** F **Medicare Number:** 4328753394
Your Reference: 00136197 **Lab Reference:** 525791882-C-H245
Laboratory: SNP
Addressee: DR EMMA E FIST **Referred by:** DR EMMA E FIST

Name of Test: .ANAEMIA
Requested: 15/03/2024 **Collected:** 18/03/2024 **Reported:** 18/03/2024
 16:33

Clinical notes: f/u low B 12 ? pernicious anaemia

Clinical Notes : f/u low B 12 ? pernicious anaemia

Haematinics

Date Time Lab Id.	Latest Results				Reference	Units
	17-Dec-21	05-Jan-22	18-Jan-24	18-Mar-24		
	1031	1434	1257	1132		
	664291398	665274352	509630264	525791882		
Iron	12		23	21	(5-30)	umol/L
Transferrin	3.2 H		3.5 H	3.4 H	(1.9-3.1)	g/L
TIBC	80 H		88 H	85 H	(47-77)	umol/L
Trans Sat	15 L		26	25	(20-45)	%
Ferritin	91		71	52	(30-250)	ug/L
Vitamin B12			189	199	(>150)	pmol/L
Active B12	28 L	39	40	92	(>35)	pmol/L
Folate serum	20	29			(>7.0)	nmol/L

Comments on Collection 18-Mar-24 1132:

Iron Studies

Elevated transferrin with other iron parameters normal may be seen in patients with iron deficiency currently receiving supplements, or may be due to elevated oestrogen levels (oral contraceptive pill or pregnancy).

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

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

Tests Completed: Iron Studies,Vitamin B12,Active B12,FBE

Tests Pending : Intrinsic Factor Abs,GPC abs,TTG Abs,Gliadin Abs

Sample Pending :