

COLLINS, MADONNA

For Surgery Use ☐ Urgent ☐ Ring Patient ☐ Make Appointment ☐ Note in Chart ☐ File ☐

Patient **RELIA, RINA PIA** **REGIS LUTWYCHE LEVEL 3 RM28, 10 PERRY STREET LUTWYCHE QLD 4030**
 Sex **F** Age **88 years** DOB **18/11/1935** Requested **26/04/2024**
 Report For **REGIS, ADMINISTRATION** Collected **26/04/2024 10:57 AM**
 Ref. by/copy to **COLLINS, MADONNA / REGIS, ADMINISTRATION** Reported **27/04/2024 04:22 PM**

- Serum Zinc 9 umol/L (10-25)

CUMULATIVE VITAMIN B12 AND FOLATE ASSAYS

Date	03/11/23	19/01/24	18/04/24	26/04/24		
Time	00:00	00:00	07:39	10:57		
Lab No	65725716	65798352	65974393	65698661		
B12 Total	167	223	194	233	pmol/L	(162-811)
Active B12	42	46	53	77	pmol/L	(> 35)
S.Fol.	24.7	19.5	17.2	26.1	nmol/L	(8.4-55.0)

Comment:
65698661

Serum Folate Assay:
 Adequate Serum Folate.
 In the absence of recent oral intake, a serum folate >13 nmol/L effectively rules out folate deficiency. Consider repeat fasting Folate, if there has been inadequate fasting, and clinical concern remains.

Serum Vitamin B12 Assay:
 The vitamin B12 level is in the indeterminate range.
 B12 depletion may exist with levels up to 350 pmol/L
 Correlation with Folate levels as well as Holo TC (Active B12) assay is recommended.

Holo TC Assay:
 No vitamin B12 deficiency.

Methodology:
 B12 and Active B12 (HoloTC) assays performed on Siemens Atellica analyser.

For Doctor clinical enquiries, please contact Dr Peter Davidson 07 3121 4444.
 Patients should contact their referring doctor in regard to this result.

Pathology Report

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CUMULATIVE SERUM BIOCHEMISTRY

Date	19/10/22	03/11/23	19/01/24	18/04/24	26/04/24	
Time	07:45	00:00	00:00	07:39	10:57	
Lab No	64207378	65725716	65798352	65974393	65698661	
	RANDOM	RANDOM	RANDOM	FASTING	RANDOM	RANDOM
Sodium	136	133	134	138	138	mmol/L (137-147)
Potass.	5.2	5.4	4.9	4.9	4.6	mmol/L (3.5-5.0)
Chloride	102	100	97	103	99	mmol/L (96-109)
Bicarb	24	26	25	29	31	mmol/L (25-33)
An.Gap	15	12	17	11	13	mmol/L (4-17)
Gluc	11.3	22.3	19.2	7.2	11.4	mmol/L (3.0-7.7)
Urea	7.7	8.3	4.9	6.3	6.5	mmol/L (2.5-7.5)
Creat	105	117	91	74	88	umol/L (50-120)
eGFR	41	36	49	62	51	mL/min (over 59)
Urate	0.48	0.48	0.39	0.41	0.40	mmol/L (0.14-0.35)
T.Bili	8	6	10	6	6	umol/L (2-20)
Alk.P	91	106	203	95	118	U/L (30-115)
GGT	58	82	109	113	140	U/L (0-45)
ALT	16	21	30	20	25	U/L (0-45)
AST	20	21	24	26	28	U/L (0-41)
LD	225	200	247	192	250	U/L (80-250)
Calcium	2.46	2.17	2.15	2.22	2.27	mmol/L (2.15-2.60)
Corr.Ca	2.50	2.35	2.39	2.43	2.37	mmol/L (2.15-2.60)
Phos	1.3	1.4	1.1	1.4	1.6	mmol/L (0.8-1.5)
T.Prot	73	61	62	61	70	g/L (60-82)
Alb	41	36	34	35	39	g/L (35-50)
Glob	32	25	28	26	31	g/L (20-40)
Chol	4.5	3.4	3.3	3.7	3.9	mmol/L (3.6-7.3)
Trig	1.2	1.0	0.9	0.9	1.1	mmol/L (0.3-4.0)
Lab No	64207378	65725716	65798352	65974393	65698661	
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CUMULATIVE FULL BLOOD EXAMINATION

Date	03/11/23	19/01/24	18/04/24	26/04/24	
Time	00:00	00:00	07:39	10:57	
Lab No	65725716	65798352	65974393	65698661	
Hb	119	122	121	128	g/L (115-160)
RCC	3.9	3.9	3.9	4.2	x10 ¹² /L (3.6-5.2)
Hct	0.39	0.40	0.39	0.42	(0.33-0.46)
MCV	101	101	99	100	fL (80-98)
MCH	31	31	31	31	pg (27-35)
Plats	256	322	271	298	x10 ⁹ /L (150-450)
WCC	6.8	13.8	8.0	8.3	x10 ⁹ /L (4.0-11.0)
Neuts	4.1	11.6	4.5	5.1	x10 ⁹ /L (2.0-7.5)
Lymphs	1.7	1.2	2.2	1.9	x10 ⁹ /L (1.1-4.0)
Monos	0.7	1.0	1.0	0.8	x10 ⁹ /L (0.2-1.0)
Eos	0.20	0.00	0.32	0.33	x10 ⁹ /L (0.04-0.40)
Basos	0.07	0.00	0.08	0.08	x10 ⁹ /L (< 0.21)

65698661 **Automated Comment:**
 As per ISLH guidelines - Film not reviewed. If a film review is truly indicated, contact the laboratory within 24 hours of collection. Otherwise investigate any highlighted abnormalities as clinically appropriate.

Borderline Red Cell Macrocytosis: Recommend a review of haematinic profile (Iron/B12/Folate). Correlate Clinically.

**** FINAL REPORT - Please destroy previous report ****

CUMULATIVE TRACE ELEMENTS

Date	19/01/24	18/04/24	26/04/24
Time	00:00	07:39	10:57
Lab No	65798352	65974393	65698661
Magnesium	0.7	0.8	0.9 mmol/L(0.7-1.1)

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CUMULATIVE IRON STUDIES

Date	03/11/23	19/01/24	18/04/24	26/04/24		
Time	00:00	00:00	07:39	10:57		
Lab No	65725716	65798352	65974393	65698661		
Iron	13	6	8	15	umol/L	(10-33)
TIBC	50	50	48	55	umol/L	(45-70)
Saturation	26	12	17	27	%	(16-50)
Ferritin	96	133	62	83	ug/L	(30-320)

CUMULATIVE SERUM VITAMIN D

Date	03/11/23	18/04/24	26/04/24	
Time	00:00	07:39	10:57	
Lab No	65725716	65974393	65698661	
Vitamin D3	78	92	98	nmol/L (> 49)

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** Progress report.

CUMULATIVE SERUM THYROID FUNCTION TESTS

Date	03/11/23	19/01/24	18/04/24	26/04/24	
Time	00:00	00:00	07:39	10:57	
Lab No	65725716	65798352	65974393	65698661	
TSH	1.9	1.7	2.9	2.8	mIU/L (0.50-4.00)

Euthyroid level. However if hypopituitarism (rare) is suspected, free T4 assay may be indicated.

Pathology Report