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13 42983
www.4cyte.com.au

Dr Jeremy S. McComish
Victorian Immunology & Allergy
43 Glenferrie Road

Malvern VIC 3144

CC to: Dr Shalini Ahlawat

Dominique HEWAT
8 Jersey Street
Bonshaw VIC 3352
Dob: 27/09/92 Sex: F
Tel: 0439856335
Ref: 3872
Lab No: 23-10411748-I

Clinical Notes: possible mast cell disorder

HAEMATOLOGY

Pathologist: Dr C. Harris

Full Blood Count (Whole Blood)

Coll Date:	15/05/23	02/05/23	16/03/23		
Coll Time:	08:45	08:15	11:48		
Lab Number:	10411748	10318403	10006129		
HAEMOGLOBIN	123	113 L	123	(115-165)	g/L
RBC	4.1	3.9	4.1	(3.8-5.8)	10 ¹² /L
HCT	0.37	0.35	0.35	(0.32-0.46)	
MCV	89.3	90.3	85.9	(80.0-100.0)	fL
MCH	30	29	30	(26-32)	pg
MCHC	334	323	347	(300-360)	g/L
RDW	12.6	15.4 H	13.8	(< 15.1)	%
WCC	5.3	5.7	6.8	(4.0-11.0)	10 ⁹ /L
Neutrophils	2.7	3.5	5.2	(2.0-8.0)	10 ⁹ /L
Lymphocytes	1.9	1.8	1.1	(1.0-4.0)	10 ⁹ /L
Monocytes	0.4	0.3	0.3	(0.2-1.0)	10 ⁹ /L
Eosinophils	0.2	0.1	0.1	(< 0.8)	10 ⁹ /L
Basophils	0.0	0.0	0.0	(< 0.2)	10 ⁹ /L
PLATELETS	232	212	222	(150-400)	10 ⁹ /L
MPV	9.6	8.8	7.9	(6.5-11.0)	fL

FBC parameters normal.

Iron Studies (Serum)

Coll Date:	15/05/23	27/02/23	17/11/22		
Coll Time:	08:45	10:35	08:30		
Lab Number:	10411748	9884827	7839705		
Ferritin	125	103	58	(30-200)	ug/L
Iron	14	18	18	(9-30)	umol/L
Transferrin	2.3	2.2	2.2	(2.0-3.6)	g/L
Transferrin Sat.	24	32	32	(15-50)	%

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B12/Folate (Serum)

Coll Date:	15/05/23	02/05/23	27/02/23		
Coll Time:	08:45	08:15	10:35		
Lab Number:	10411748	10318403	9884827		
Vitamin B12	234	220	231	(156-670)	pmol/L
Active Vit. B12	55	84	93	(> 35)	pmol/L
Serum Folate	26.8	40.4	9.6 L	(> 12.0)	nmol/L

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CHEMISTRY

Pathologist: Dr P. Stewart

Biochemistry (Serum)

Coll Date:	15/05/23	02/05/23	16/03/23		
Coll Time:	08:45	08:15	11:48		
Lab Number:	10411748	10318403	10006129		
Sodium	142	140	143	(135-145)	mmol/L
Potassium	3.9	3.5	4.4	(3.5-5.5)	mmol/L
Chloride	104	103	105	(95-110)	mmol/L
Bicarbonate	31	29	27	(22-32)	mmol/L
Anion Gap	11	12	15	(8-19)	mmol/L
Urea	2.0 L	3.8	5.6	(3.2-8.2)	mmol/L
Creatinine	65	63	64	(45-90)	umol/L
eGFR	> 90	> 90	> 90	(> 59)	
Total Protein	69	65	68	(60-80)	g/L
Globulin	29	27	27	(23-39)	g/L
Albumin	40	38	41	(34-50)	g/L
Bilirubin Total	13	15	10	(< 21)	umol/L
Alk. Phosphatase	61	43	35	(30-110)	U/L
Gamma GT	19	20	26	(< 36)	U/L
ALT	9	14	27	(< 35)	U/L
AST	14	16	17	(< 30)	U/L
CK		27 L		(30-150)	U/L
Calcium	2.44		2.41	(2.10-2.60)	mmol/L
Adj. Calcium	2.44		2.39	(2.10-2.60)	mmol/L
Phosphate	1.38		1.40	(0.75-1.50)	mmol/L
Magnesium	0.80		0.91	(0.70-1.10)	mmol/L

Vitamin D and Metabolic Bone Markers (Serum)

Coll Date:	15/05/23	27/02/23	17/11/22		
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Lab Number:	10411748	9884827	7839705		
25-OH Vit D	66	57	55	(50-200)	nmol/L

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Thyroid (Serum)

Coll Date:	15/05/23	02/05/23	27/02/23
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Lab Number:	10411748	10318403	9884827

TSH	0.70	1.14	1.19	(0.50-4.00)	mIU/L
TPO Ab	< 28.0			(< 60.0)	IU/mL
Thyroglobulin Ab	< 1.3			(< 4.5)	IU/mL
TSH-R Ab	< 0.10			(< 0.55)	IU/L

Euthyroid.

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IMMUNOLOGY

Pathologist: Prof D. Fulcher

Nuclear Antibodies (Serum)

Coll Date:	15/05/23	02/05/23
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Lab Number:	10411748	10318403

ANA	Positive	Positive	(Screen 1:160)
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Pattern 1:	Centriole	Centriole
Titre	1:640	1:320
Pattern 2:	Speckled	Speckled
Titre	1:640	1:320

ENA Screen	Negative	Negative
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Anti-dsDNA	4.9	2.5	(N<10,P>15) IU/mL
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Strong ANA detected. This result should be interpreted in the clinical context, with consideration of systemic autoimmune disease (eg SLE, Sjogren's syndrome and MCTD), although negative ENA/dsDNA make such diagnoses less likely. Careful clinical follow-up advised.

Centriole pattern is non-specific, but has been associated with various autoimmune and chronic inflammatory conditions.

ENA Ab Screen includes RNP, Scl-70, SSA, SSB, Ro52, Sm, Jo-1, CENP-B (centromere).

Total IgE (Serum)

Coll Date:	15/05/23
Coll Time:	08:45
Lab Number:	10411748

Total IgE	65.8	(< 114.0)	kU/L
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Allergen Specific IgE (Serum)

	kUA/L	Class (0-V)	Level
Rye grass	23.50	IV	High
Bermuda grass	2.24	III	Moderate
Plantain	0.23	I	Very Low

Specific IgE to Cypress is not available.

Tryptase (Serum)

Tryptase	4.0	(< 11.4)	ug/L
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Immunoglobulins (Serum)

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IgG	12.89	(6.50-16.00)	g/L
IgA	1.81	(0.40-3.50)	g/L
IgM	0.74	(0.50-3.00)	g/L

Serum Electrophoretogram

Total Prot.	69	(60-80)	g/L
Albumin	42	(34-50)	g/L
Alpha 1	2.5	(1.7-3.9)	g/L
Alpha 2	6.1	(4.3-9.4)	g/L
Beta 1	3.7	(2.8-5.8)	g/L
Beta 2	2.7	(1.9-5.2)	g/L
Gamma	11.8	(6.7-15.0)	g/L

Normal serum EPG.

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