DOUGLASS HANLY MOIR PATHOLOGY
Quality is in our DNA

ALEXANDRA WILLIS

Lab ID 846247253 DOB 26/06/1995 (25 Yrs FEMALE)

Referrer Dr Denise Ierino
Address BALGOWLAH FAM PRAC SUITE 1 379 SYDNEY ROAD BALGOWLAH NSW 2093
Phone 0299078588

Your ref. 00149590
Address 169 CONDAMINE ST BALGOWLAH NSW 2093
Phone 0431035829

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Collected 17/11/2020 13:24 AEDT
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Biochemistry

Test Name	Result	Units	Reference Interval
Sodium	139	mmol/L	135 - 145
Potassium	4.0	mmol/L	3.5 - 5.5
Chloride	103	mmol/L	95 - 110
Bicarbonate	22	mmol/L	20 - 32
Urea	3.5	mmol/L	2.5 - 6.5
Creatinine	60	umol/L	45 - 85
eGFR	>90	mL/min/1.73m2	>59
Total Bilirubin	10	umol/L	3 - 15
Alk Phos	51	U/L	20 - 105
Gamma GT	14	U/L	5 - 35
LDH	203	U/L	120 - 250
AST	22	U/L	10 - 35
ALT	16	U/L	5 - 30
Total Protein	74	g/L	68 - 85
Albumin	45	g/L	37 - 48
Globulin	29	g/L	23 - 39

16 Anion Gap.

Comments

eGFR (mL/min/1.73m2) calculated by CKD-EPI formula - see www.kidney.org.au

Supervising Pathologist: GC, NT

NATA ACCREDITATION NO 2178

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Iron Studies

Test Name	Result	Units	Reference Interval
Iron	13.9	umol/L	5.0 - 30.0
Transferrin	2.2	g/L	2.0 - 3.6
TIBC (Calculated)	50	umol/L	46 - 77
Saturation	28	%	10 - 45
Ferritin	38	ug/L	15 - 200

Supervising Pathologist: GC, NT

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Thyroid Function

Test Name	Result	Units	Reference Interval
TSH	1.10	mIU/L	0.40 - 3.50

Supervising Pathologist: GC, NT

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Genotyping for Coeliac Disease

Specimen type	EDTA blood
Method	Real-time PCR
Result:	Potential susceptibility genotype DETECTED (DQA1*05+, DQA1*02-, DQB1*02-, DQB1*03:02/05-)
Interpretation:	Not consistent with the presence of HLA-DQ2 or HLA-DQ8 antigens. However, HLA-DQA1*05 was detected in the absence of HLA-DQB1*02 or HLA-DQB1*03:02/05. This combination most commonly indicates the presence of the HLA-DQ7 antigen.
	This may be associated with susceptibility to coeliac disease, but confers a lower risk than DQ2 and DQ8 antigens. In the appropriate context, further clinical work-up for coeliac disease should be considered.

Comments

Test information:

Qualitative detection of HLA-DQA1*02:01, HLA-DQA1*05:XX, HLA-DQB1*02:XX, HLA-DQB1*03:02/03:05 and HLA-DRB1*04:XX alleles is performed using the GeneFinder HLA-DQ2/DQ8 RealAmp kit (Osang Healthcare). This assay is designed to identify DQ2 (2.2 and 2.5) and DQ8 antigens that are present in more than 95% of individuals with coeliac disease. Some additional rare genotypes consistent with HLA-DQ8 antigen are detectable by this assay though indistinguishable from HLA-DQB1*03:02/05. Rare subtypes, the presence of additional heterodimers, and zygosity of detected alleles cannot be determined by this assay. A full list of alleles to 4-digit HLA nomenclature detectable by this assay is available on request. References: PMID 25827511; 23981538.

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Haematology

Test Name	Result	Units	Reference Interval
Haemoglobin	136	g/L	119 - 160
Red cell count	4.4	x10^12/L	3.8 - 5.8
Haematocrit	0.41		0.35 - 0.48
MCV	93	fL	80 - 100
MCH	31.0	pg	27.0 - 32.0
MCHC	335	g/L	310 - 360
RDW	12.6		10.0 - 15.0
White cell count	6.9	x10^9/L	4.0 - 11.0
Neutrophils	4.40	x10^9/L	2.0 - 7.5
Lymphocytes	1.91	x10^9/L	1.0 - 4.0
Monocytes	0.46	x10^9/L	0.0 - 1.0
Eosinophils	0.05	x10^9/L	0.0 - 0.5
Basophils	0.04	x10^9/L	0.0 - 0.3
NRBC	<1.0	/100 WBC	<1
Platelets	283	x10^9/L	150 - 450

Comments

Full blood count is within reference limits

Supervising Pathologist: FH

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Coeliac Serology

Deamidated Gliadin IgA	<1	U/mL	<15
Deamidated Gliadin IgG	<1	U/mL	<15
Tissue Transglutaminase IgA	<1	U/mL	<15
Tissue Transglutaminase IgG	<1	U/mL	<15

Comments

Performed on Bioplex 2200. This detects selective IgA deficiency (<0.07 g/L), an additional comment will be attached if detected.

In persons eating wheat (most days, last six weeks), negative serology effectively excludes coeliac disease/dermatitis herpetiformis. One elevated marker may occur without disease whereas two or more elevated (at four times the cutoff level) markers strongly predict coeliac disease which can be confirmed by biopsy.

Serology becomes negative on gluten free diet (6-9 months for IgA-deam gliadin and IgA-tTG, 9-15 months for IgG-deam gliadin and IgG-tTG). Without compliance, coeliac markers rise. Coeliac tissue-typing excludes coeliac disease risk by excluding HLA-DQ2 or DQ8 in persons with discordant serology or discordant serology-biopsy findings.

Supervising Pathologist: KB

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