

Referrer **Ms Kylie Cloney**
Address **CAIRNS NATUROPATHIC CLINIC 8 SWALLOW ST
CAIRNS QLD 4870**
Phone **0740546573**

Your ref.
Address **40 RITA CIRCUIT
ATHERTON QLD 4883**
Phone **0447572815**

Copy to **Dr David Kanowski (0733778666)**

Requested **09/05/2020**
Collected **15/05/2020 10:37 AEDT**
Received **15/05/2020 10:43 AEDT**

Copper

Copper-serum **12.8 L** umol/L 13.0 - 25.0

Comments

Decreased serum copper may reflect either low caeruloplasmin levels or copper deficiency. Low serum copper occurs in malabsorption, chronic diarrhoea, hypoproteinaemia, inadequate total parenteral nutrition, biliary fistulae and in Wilson's disease.

MB

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Zinc

Zinc-plasma 10.6 umol/L 9.0 - 19.0

CA

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MTHFR Genotyping

Specimen EDTA Blood
MTHFR C677T Mutation Not Detected
MTHFR A1298C **Heterozygous Mutation Detected ***

Please note these variants are known as c.665C>T, p.Ala222Val and c.1286A>C, p.Glu429Ala, according to HGVS nomenclature; RefSeqGene: NM_005957.4.

Comments

This patient is heterozygous for the A1298C variant of the MTHFR gene (c.1286A>C). Heterozygosity for this variant is common, occurring in approximately 35-40% of the population. Heterozygosity for this variant has not been shown to be associated with increased risk of thrombotic disease.

Test Information:

Testing was carried out by real-time PCR for two variants of the MTHFR gene, c.665C>T (p.Ala222Val, also known as "C677T") and c.1286A>C (p.Glu429Ala, also known as "A1298C").

NPAAC guidelines suggest that corroboration of genetic test results should be considered - e.g. by reference to other clinical or laboratory information or by repeat testing - as genetic tests may have medical implications for both the patient and their genetic relatives.

For clinician enquiries regarding these results, please contact Dr James Harraway (07 3377 8666).

HB

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Haematology

Test Name	Result	Units	Reference Interval
ESR	5	mm/h	1 - 12

HA

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Haematology

Test Name	Result	Units	Reference Interval
Haemoglobin	140	g/L	115 - 165
Haematocrit	0.43		0.35 - 0.47
Red cell count	4.9	10 ¹² /L	3.9 - 5.6
MCV	86	fL	80 - 100
White cell count	6.9	10 ⁹ /L	3.5 - 12.0
Neutrophils	3.76	10 ⁹ /L	1.5 - 8.0
Lymphocytes	2.23	10 ⁹ /L	1.0 - 4.0
Monocytes	0.78	10 ⁹ /L	0 - 0.9
Eosinophils	0.11	10 ⁹ /L	0 - 0.6
Basophils	0.04	10 ⁹ /L	0 - 0.15
Platelets	260	10 ⁹ /L	150 - 400

HA

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Test Name	Result	Units	Reference Interval
● Caeruloplasmin	0.19 L	g/L	0.20 - 0.45

IA

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