

Referrer Dr Anthony Schneeweiss

Address INKERMANN MEDICAL CENTRE 290 INKERMANN ST
ST KILDA EAST VIC 3183

Phone 95274355

Lab ID 967652951

DOB 29/07/2002 (21 Yrs FEMALE)

Your ref. 79803

Address 2 PEARSON GR
CAULFIELD NORTH VIC 3161

Phone 0406111457

Copy to Dr Neil Israelsohn (94188127)
Emailed Patient Copy (0392877700)

Requested 19/02/2024

Clinical Notes irregular periods Flx

Collected 20/02/2024 11:14

Received 20/02/2024 11:20

| Test Name | Result | Units | Reference Interval |
|-------------------------|--------|--------|--------------------|
| S Iron: | 15 | umol/L | 5 - 30 |
| ● S Transferrin: | 3.8 H | g/L | 2.0 - 3.6 |
| Transferrin Saturation: | 16 | % | 10 - 45 |
| ● S Ferritin: | <5 L | ng/mL | 30 - 200 |

Dept Supervising Pathologist: Dr Andrew Carter

MELBOURNE PATHOLOGY NATA NO.:2133

Reported on 21-02-2024 04:56

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| Test Name | Result | Units | Reference Interval |
|---------------------|--------|--------|--------------------|
| S Cholesterol: | 3.7 | mmol/L | 3.5 - 5.5 |
| S Triglycerides: | 1.5 | mmol/L | < 1.7 |
| S HDL-Cholesterol: | 1.57 | mmol/L | > 1.20 |
| S LDL-Cholesterol: | 1.4 | mmol/L | < 3.5 |
| Chol/HDLc | 2.4 | | < 4.5 |
| Non HDL Cholesterol | 2.1 | mmol/L | < 3.9 |

Comments

LIPID TARGET LEVELS:

The treatment target levels for people at high risk of cardiovascular disease are:

| | |
|-----------------------|---|
| Total Cholesterol | <4.0 mmol/L |
| Fasting Triglycerides | <2.0 mmol/L |
| HDL-Cholesterol | >1.00 mmol/L |
| LDL-Cholesterol | <2.5 mmol/L (<1.8 mmol/L if very high risk) |
| Non-HDL Cholesterol | <3.3 mmol/L (<2.5 mmol/L if very high risk) |

Source: AACB Harmonised Lipid Reporting Guideline - 2018.

Risk Calculator available at www.cvdcheck.org.au

Please note the reference interval for fasting triglycerides has been updated on 1/2/2024. Source: Eur Heart J. 2016 Jul 1;37(25):1944-58.

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Reported on 21-02-2024 03:07

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THYROID FUNCTION TESTS

| Test Name | Result | Units | Reference Interval |
|-------------|--------|--------|--------------------|
| TSH (Roche) | 1.45 | mU/L | 0.5 - 5.0 |
| FT4 (Roche) | 15.4 | pmol/L | 11.0 - 22.0 |

Comments

A normal TSH is consistent with an euthyroid state.

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| Test Name | Result | Units | Reference Interval |
|----------------------|--------------|--------|--------------------|
| Holo-transcobalamin: | 59 | pmol/L | > 37 |
| ● Total Vitamin B12: | 155 L | pmol/L | 200 - 700 |

Comments

High dose biotin (>5 mg/day) may artefactually increase total Vitamin B12 and Folate results obtained by this method. If the patient is taking 5-20 mg/day of biotin, suggest withhold for at least 8 hours before blood test (if taking 300 mg/day, withhold for at least 72 hours).
For clinical enquiries please contact Chemical Pathologist Dr Ken Sikaris on 9287 7720.

Both levels of HoloTC (Holo-transcobalamin) and total Vitamin B12 are in the low-normal ranges. Vitamin B12 deficiency cannot be completely excluded. Consider fasting homocysteine for further clarification if clinically indicated.

For clinical enquiries please contact Chemical Pathologist Dr Ken Sikaris on 9287 7720.

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| Test Name | Result | Units | Reference Interval |
|-------------------------|--------|--------|--------------------|
| S Sodium: | 139 | mmol/L | 135 - 145 |
| S Potassium: | 4.3 | mmol/L | 3.5 - 5.5 |
| S Chloride: | 103 | mmol/L | 95 - 110 |
| S Bicarbonate: | 24 | mmol/L | 20 - 32 |
| S Urea: | 5.2 | mmol/L | 2.5 - 6.5 |
| S Creatinine: | 66 | umol/L | 45 - 85 |
| eGFR | >90 | | >59 |
| S Bilirubin: | 6 | umol/L | 3 - 15 |
| S Alkaline Phosphatase: | 65 | U/L | 20 - 105 |
| S Gamma-GT: | 12 | U/L | 5 - 35 |
| S ALT: | 11 | U/L | 5 - 30 |
| S AST: | 16 | U/L | 10 - 35 |
| S Total Protein: | 73 | g/L | 64 - 81 |
| S Albumin: | 43 | g/L | 33 - 46 |
| S Globulin: | 30 | g/L | 23 - 41 |
| Fasting S Glucose | 4.6 | mmol/L | 3.6 - 6.0 |

Comments

eGFR is greater than 90 mL/min/1.73m2. No evidence of kidney disease.

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| Test Name | Result | Units | Reference Interval |
|-------------------|--------|--------|--------------------|
| S FSH: | 6.4 | IU/L | |
| LH | 8.9 | IU/L | |
| Prolactin (Total) | 159 | mIU/L | 90 - 630 |
| S Oestradiol | 136 | pmol/L | |
| Progesterone | 1.6 | nmol/L | |

Comments

| Reference Intervals | FSH (IU/L) | LH (IU/L) | Oestradiol (pmol/L) | Progesterone (nmol/L) |
|---------------------|---------------|--------------|------------------------|--------------------------|
| Female: | | | | |
| Follicular phase | 2.8 - 9.3 | 2.8 - 7.6 | 46 - 607 | 0.6 - 4.7 |
| Mid cycle | 3.0 - 19.2 | 10.5 - 85 | 315 - 1828 | 2.4 - 9.4 |
| Luteal phase (D21) | 1.7 - 7.7 | 1.0 - 11.4 | 161 - 774 | 5.3 - 86 |
| Postmenopausal | 31 - 153 | 12.0 - 75 | <200 | 0.3 - 2.5 |

PLEASE NOTE: High dose biotin (>5 mg/day) may artefactually affect the hormone results. If the patient is taking 5-20 mg/day of biotin, suggest withhold for at least 8 hours before blood test (if taking 300 mg/day, withhold for at least 72 hours).
For clinical enquiries, please contact Chemical Pathologist
Dr Ken Sikaris on 9287 7720.

Macroprolactin testing not indicated.

Dept Supervising Pathologist: Dr Andrew Carter

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| HAEMOGLOBIN | 119 | g/L | 115 - 160 |
| Haematocrit | 0.38 | | 0.35 - 0.47 |
| Red cell count | 4.4 | $\times 10^{12}/L$ | 3.7 - 5.2 |
| M.C.V. | 85 | fL | 80 - 100 |
| M.C.H. | 27 | pg | 27 - 34 |
| M.C.H.C. | 316 | g/L | 310 - 360 |
| RDW | 12.6 | | 11 - 17 |
| PLATELETS | 283 | $\times 10^9/L$ | 150 - 450 |
| WHITE CELL COUNT | 5.0 | $\times 10^9/L$ | 4.0 - 11.0 |
| Neutrophils | 2.5 | $\times 10^9/L$ | 2.0 - 7.5 |
| Lymphocytes | 1.9 | $\times 10^9/L$ | 1.0 - 4.0 |
| Monocytes | 0.5 | $\times 10^9/L$ | 0 - 1.0 |
| Eosinophils | 0.2 | $\times 10^9/L$ | 0 - 0.5 |
| Basophils | 0.0 | $\times 10^9/L$ | 0 - 0.3 |

Dept Supervising Pathologist: Dr Linda Saravanan

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Reported on 20-02-2024 18:52