

Referrer Dr John Davies

Address MANJIMUP MEDICAL CENTRE 34 ROSE STREET
MANJIMUP WA 6258

Phone 0897711133

Lab ID 494367182

DOB 14/02/1979 (45 Yrs FEMALE)

Your ref. 3894

Address 170 CHANNYBERRUP ROAD
MANJIMUP WA 6258

Phone 0419947197

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Requested 01/03/2024

Collected 01/03/2024 11:29

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Glucose/C-Peptide

| | | | |
|----------------------|--------|--------|-----------|
| Status | Random | | |
| Random Serum Glucose | 4.3 | mmol/L | 3.0 - 7.7 |

Comments

The previous abnormal glucose result is noted. Follow-up testing* is suggested in 6 to 12 months
*MJA 203(2) 20 July 2015

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CLINIPATH PATHOLOGY NATA NO: 2619-2612

02-03-2024 10:46

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Serum Folate

| | | | |
|------------|-----|------|------|
| Folic Acid | 6.6 | ug/L | >3.8 |
|------------|-----|------|------|

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Lipids

| Status | Random | | |
|---------------------|--------|--------|------|
| Cholesterol | 5.6 H | mmol/L | <5.0 |
| Triglyceride | 1.7 | mmol/L | <2.0 |
| HDL Cholesterol | 1.5 | mmol/L | >1.0 |
| Chol/HDL Ratio | 3.7 H | | <3.5 |
| LDL Cholesterol | 3.3 H | mmol/L | <3.0 |
| Non HDL Cholesterol | 4.1 H | mmol/L | <3.9 |

Non-fasting samples now accepted for lipids.

Comments

TARGET LEVELS:

The National Vascular Disease Prevention Alliance (NVDPA) treatment target levels for high risk people (known coronary heart and other arterial disease, diabetes, chronic renal failure, Aboriginal and Torres Strait Islander peoples) are:

| | |
|-----------------------|---------------|
| Total Cholesterol | <4.0 mmol/L |
| HDL-Cholesterol | >=1.00 mmol/L |
| Fasting Triglycerides | <2.0 mmol/L |
| Non-HDL Cholesterol | <2.5 mmol/L |

Increased non-HDL Cholesterol is a significant marker for subclinical atherosclerosis (ref: Cardiology Today 2013; 3(2) : pp25-27).

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Vitamin B12

| Test Name | Result | Units | Reference Interval | Comment |
|-------------|--------|--------|--------------------|---------|
| Vitamin B12 | 274 | pmol/L | 139 - 651 | |
| Active B12 | 73 | pmol/L | 23 - 100 | |

Comments

Both B12 and active B12 are in the normal range.
Vitamin B12 deficiency is unlikely.

Testing of active B12 is routinely performed for people that have low or equivocal vitamin B12 results (<375pmol/L) to clarify their B12 status.
Both tests are Medicare rebatable. Those with vitamin B12 concentrations over 374pmol/L are generally replete.

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General Chemistry

| Test Name | Result | Units | Reference Interval | Comment |
|-------------|--------|--------|--------------------|---------|
| Urea | 4.0 | mmol/L | 2.5 - 7.0 | |
| Creatinine | 67 | umol/L | 45 - 85 | |
| eGFR | >90 | | >59 | |
| Sodium | 136 | mmol/L | 135 - 145 | |
| Potassium | 3.9 | mmol/L | 3.5 - 5.5 | |
| Chloride | 104 | mmol/L | 95 - 110 | |
| Bicarbonate | 24 | mmol/L | 20 - 32 | |

eGFR calculated using CKD EPI from 21-05-13.

Comments

Note: eGFR units are mL/min/1.73m2.

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Thyroid Function Tests

| Test Name | Result | Units | Reference Interval | Comment |
|-----------|--------|--------|--------------------|---------|
| TSH | 1.05 | mU/L | 0.4 - 4.0 | |
| Free T4 | 13 | pmol/L | 9 - 19 | |

Comments

Euthyroid levels.

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Haematology

| Test Name | Result | Units | Reference Interval | Comment |
|------------------|--------|--------------------|--------------------|---------|
| Haemoglobin | 149 | g/L | 115 - 165 | |
| Red cell count | 5.1 | $\times 10^{12}/L$ | 3.8 - 5.8 | |
| Haematocrit | 0.44 | | 0.36 - 0.47 | |
| MCV | 87 | fL | 80 - 100 | |
| MCH | 29 | pg | 27 - 32 | |
| MCHC | 336 | g/L | 310 - 360 | |
| RDW | 12.5 | | 10 - 15 | |
| White cell count | 10.0 | $\times 10^9/L$ | 4.0 - 11.0 | |
| Neutrophils | 5.3 | $\times 10^9/L$ | 2.0 - 7.5 | |
| Lymphocytes | 3.9 | $\times 10^9/L$ | 1.2 - 4.0 | |
| Monocytes | 0.6 | $\times 10^9/L$ | 0.2 - 1.0 | |
| Eosinophils | 0.1 | $\times 10^9/L$ | 0.0 - 0.5 | |
| Basophils | <0.1 | $\times 10^9/L$ | 0.0 - 0.1 | |
| Platelets | 278 | $\times 10^9/L$ | 150 - 400 | |

Comments

Blood film morphology normal.

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General Chemistry

| Test Name | Result | Units | Reference Interval | Comment |
|-----------|--------|--------|--------------------|---------|
| Magnesium | 0.71 | mmol/L | 0.65 - 1.10 | |

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Haemoglobin A1c (HbA1c)

| | | | |
|----------------|-----|----------|------|
| Hb A1c | 5.3 | % | <6.5 |
| HbA1c mmol/mol | 34 | mmol/mol | <48 |

Comments

HbA1c is now Medicare rebateable (once per year) for diagnosis of diabetes mellitus in high risk people. The diagnostic cut-off is HbA1c $\geq 6.5\%$ and/or 48 mmol/mol.

Queries: Dr A. Simpson, Dr K. Kahapola, Dr D. Bell and Dr P. Glendenning (08)9371 4200.

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Liver Function

| Test Name | Result | Units | Reference Interval | Comment |
|-----------------|--------|--------|--------------------|---------|
| AST | 24 | U/L | 10 - 35 | |
| ● ALT | 35 H | U/L | 5 - 30 | HIGH |
| Alk Phos | 82 | U/L | 30 - 110 | |
| Gamma GT | 16 | U/L | 5 - 35 | |
| Total Bilirubin | 8 | umol/L | 3 - 15 | |
| Total Protein | 70 | g/L | 64 - 81 | |
| Albumin | 42 | g/L | 35 - 46 | |
| Globulin | 28 | g/L | 23 - 39 | |

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Iron Studies

| Test Name | Result | Units | Reference Interval | Comment |
|-------------|--------|--------|--------------------|---------|
| Iron | 16 | umol/L | 5 - 30 | |
| Transferrin | 27 | umol/L | 25 - 45 | |
| Saturation | 30 | % | 10 - 45 | |
| Ferritin | 104 | ug/L | 30 - 300 | |

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