

HETTIARACHCHI, WASANTHA

For Surgery Use ☐ Urgent ☐ Ring Patient ☐ Make Appointment ☐ Note in Chart ☐ File ☐

Patient **BARTUREN, PATRICIA** UR No.  
 Patient Address **PARK AVENUE, APPARTMENTS U 1 410 STANLEY ST SOUTH BRISBANE QLD 4101**  
 Sex **F** Age **40 years** DOB **28/07/1984** Requested **01/04/2025**  
 Report For **SERKOVIC, KARINA** Collected **01/04/2025 10:59 AM**  
 Ref. by/copy to **HETTIARACHCHI, WASANTHA / SERKOVIC, KARINA** Reported **02/04/2025 11:24 AM**

00182452

## CUMULATIVE VITAMIN B12 AND FOLATE ASSAYS

Date 01/04/25  
 Time 10:59  
 Lab No 77210413

B12 Total 248 pmol/L (162-811)  
 Active B12 > 146 pmol/L (> 35)

### Comment:

77210413

Serum Vitamin B12 Assay:  
 The vitamin B12 level is in the indeterminate range.  
 B12 depletion may exist with levels up to 350 pmol/L  
 Correlation with Folate levels as well as Holo TC (Active B12 )  
 assay is recommended.

Holo TC Assay:  
 No suggestion of vitamin B12 deficiency.  
 High B12 levels are commonly seen with vitamin B12 replacement  
 therapy.

Methodology:  
 B12 and Active B12 (HoloTC) assays performed on Siemens Atellica  
 analyser.

For Doctor clinical enquiries, please contact Dr Peter Davidson 07  
 3121 4444.  
 Patients should contact their referring doctor in regard to this  
 result.

Pathology Report

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ADRENAL STUDIES

Serum Cortisol 200 nmol/L (160 - 520)  
Collection time: 10:59 am

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## CUMULATIVE FERTILITY HORMONES

Date **01/04/25**  
Time **10:59**  
Lab No **77210413**

|      |     |        |
|------|-----|--------|
| LH   | 1   | IU/L   |
| FSH  | 3   | IU/L   |
| E2   | 320 | pmol/L |
| Prog | 13  | nmol/L |

| Ranges:      | Follicular Phase | Midcycle Peak | Luteal Phase | Post-Menopausal |
|--------------|------------------|---------------|--------------|-----------------|
| LH           | 2 - 12           | 10 - 130      | 1 - 17       | 15 - 60         |
| FSH          | 1 - 10           | 3 - 33        | 1 - 9        | 20 - 140        |
| Oestradiol   | 70 - 530         | 230 - 1310    | 200 - 790    | < 120           |
| Progesterone | < 5              | rising        | 20 - 110     | < 3             |

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## CUMULATIVE GLYCATED HAEMOGLOBIN

Date **01/04/25**  
 Time **10:59**  
 Lab No **77210413**  
 HbA1c Fraction **5.1 %**  
 in SI units **32 mmol/mol**

Note: Caution is needed in interpreting HbA1c results in the presence of conditions affecting red blood cell survival times, which may lead to either falsely high or falsely low HbA1c results.

HbA1c diagnostic levels - RCPA 2014  
 < 6.1% (<43 mmol/mol) - current diabetes is excluded  
 6.1-6.4% (43-47 mmol/mol) - high risk for future diabetes  
 > 6.4% (>48 mmol/mol) - diabetes is likely

Unless patient has supportive symptoms or elevated plasma glucose values, repeat test is recommended.  
 Currently, Medicare will fund only one diagnostic test per year.

Sample may be collected at any time - fasting is not required.  
 Note - diabetes tolerance may be impaired by chronic illness, use of certain drugs including steroids, Cushing syndrome, etc.  
 We would advise considering secondary forms in newly-diagnosed patients.  
 For clinical enquiries, please contact Dr Appleton, Chang or Marshall

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Pathology Report

## CUMULATIVE SERUM BIOCHEMISTRY

| Date     | 11/07/23 | 17/08/23 | 01/04/25 |                    |
|----------|----------|----------|----------|--------------------|
| Time     | 09:25    | 13:45    | 10:59    |                    |
| Lab No   | 71514992 | 73682077 | 77210413 |                    |
|          | FASTING  |          | FASTING  | FASTING            |
| Sodium   | 138      |          | 138      | mmol/L (137-147)   |
| Potass.  | 4.4      |          | 4.6      | mmol/L (3.5-5.0)   |
| Chloride | 101      |          | 105      | mmol/L (96-109)    |
| Bicarb   | 27       |          | 25       | mmol/L (25-33)     |
| An.Gap   | 14       |          | 13       | mmol/L (4-17)      |
| Gluc     | 5.0      |          | 4.7      | mmol/L (3.0-6.0)   |
| Urea     | 5.2      |          | 6.4      | mmol/L (2.0-7.0)   |
| Creat    | 48       |          | 53       | umol/L (40-110)    |
| eGFR     | > 90     |          | > 90     | mL/min (over 59)   |
| Urate    |          |          | 0.21     | mmol/L (0.14-0.35) |
| T.Bili   | 29       | 23       | 38       | umol/L (2-20)      |
| D.Bili   | 10       | 8        | 12       | umol/L (0-8)       |
| Alk.P    | 70       | 60       | 69       | U/L (30-115)       |
| GGT      | 12       | 10       | 8        | U/L (0-45)         |
| ALT      | 25       | 14       | 18       | U/L (0-45)         |
| AST      | 20       | 16       | 19       | U/L (0-41)         |
| LD       | 144      | 142      | 156      | U/L (80-250)       |
| Calcium  |          |          | 2.34     | mmol/L (2.15-2.60) |
| Corr.Ca  |          |          | 2.35     | mmol/L (2.15-2.60) |
| Phos     |          |          | 0.8      | mmol/L (0.8-1.5)   |
| T.Prot   | 70       | 68       | 70       | g/L (60-82)        |
| Alb      | 44       | 44       | 42       | g/L (35-50)        |
| Glob     | 26       | 24       | 28       | g/L (20-40)        |
| Chol     |          |          | 4.4      | mmol/L (3.6-6.7)   |
| Trig     |          |          | 0.6      | mmol/L (0.3-2.2)   |
| Lab No   | 71514992 | 73682077 | 77210413 |                    |
| Date     | 11/07/23 | 17/08/23 | 01/04/25 |                    |

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## CUMULATIVE LIPID RISK REPORT

|                       |             |             |
|-----------------------|-------------|-------------|
| Date                  | 01/04/25    |             |
| Time                  | 10:59       |             |
| Lab No                | 77210413    |             |
|                       | FASTING     |             |
|                       |             | Target if   |
|                       |             | HIGH RISK   |
| Total Cholesterol     | 4.4 mmol/L  | (below 4.0) |
| Triglycerides         | 0.6 mmol/L  | (below 2.0) |
| CHOLESTEROL FRACTIONS |             |             |
| HDL                   | 1.55 mmol/L | (above 1.0) |
| LDL (calculated)*     | 2.58 mmol/L | (below 2.5) |
| Non-HDL cholesterol*  | 2.85 mmol/L | (below 3.3) |
| Total/HDL ratio**     | 2.8         |             |

\* Secondary prevention LDL and non-HDL cholesterol targets are lower.

\*\* The ratio is for use with the cardiovascular risk calculator.

Web-search: "Australian cardiovascular risk calculator"

77210413 Treatment is recommended if clinically indicated or if calculated risk exceeds 15% absolute risk of CVD events over 5 years.

NVDPA 2012 Target ranges refer to HIGH RISK PATIENTS.

As of 7/3/22 LDL will no longer be measured routinely. LDL results will be calculated, in accordance with National harmonisation.

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**CUMULATIVE SERUM THYROID FUNCTION TESTS**

|        |          |          |                       |
|--------|----------|----------|-----------------------|
| Date   | 02/08/16 | 11/07/23 | 01/04/25              |
| Time   | 13:25    | 09:25    | 10:59                 |
| Lab No | 73400991 | 71514992 | 77210413              |
| TSH    | 1.4      | 2.2      | 1.3 mIU/L (0.50-4.00) |

Euthyroid level. However if hypopituitarism (rare) is suspected, free T4 assay may be indicated.

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CUMULATIVE IRON STUDIES

|            |          |          |        |          |
|------------|----------|----------|--------|----------|
| Date       | 11/07/23 | 01/04/25 |        |          |
| Time       | 09:25    | 10:59    |        |          |
| Lab No     | 71514992 | 77210413 |        |          |
| Iron       | 20       |          | umol/L |          |
| TIBC       | 61       |          | umol/L |          |
| Saturation | 33       |          | %      |          |
| Ferritin   | 58       | 125      | ug/L   | (25-290) |

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CUMULATIVE SERUM VITAMIN D

|            |          |                   |
|------------|----------|-------------------|
| Date       | 11/07/23 | 01/04/25          |
| Time       | 09:25    | 10:59             |
| Lab No     | 71514992 | 77210413          |
| Vitamin D3 | 81       | 108 nmol/L (> 49) |

77210413  
\*\* Progress report.

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Erythrocyte Sedimentation Rate 8 mm/hr (1-20)

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## CUMULATIVE FULL BLOOD EXAMINATION

|        |          |                                      |
|--------|----------|--------------------------------------|
| Date   | 11/07/23 | 01/04/25                             |
| Time   | 09:25    | 10:59                                |
| Lab No | 71514992 | 77210413                             |
| Hb     | 133      | 122 g/L (115-160)                    |
| RCC    | 4.1      | 3.9 x10 <sup>12</sup> /L (3.6-5.2)   |
| Hct    | 0.39     | 0.38 (0.33-0.46)                     |
| MCV    | 96       | 97 fL (80-98)                        |
| MCH    | 33       | 31 pg (27-35)                        |
| Plats  | 242      | 215 x10 <sup>9</sup> /L (150-450)    |
| WCC    | 9.1      | 6.8 x10 <sup>9</sup> /L (4.0-11.0)   |
| Neuts  | 6.9 64 % | 4.4 x10 <sup>9</sup> /L (2.0-7.5)    |
| Lymphs | 1.4 25 % | 1.7 x10 <sup>9</sup> /L (1.1-4.0)    |
| Monos  | 0.5 7 %  | 0.5 x10 <sup>9</sup> /L (0.2-1.0)    |
| Eos    | 0.18 3 % | 0.20 x10 <sup>9</sup> /L (0.04-0.40) |
| Basos  | 0.09 1 % | 0.07 x10 <sup>9</sup> /L (< 0.21)    |
| E.S.R. |          | pending mm/hr (1-20)                 |

### 77210413 Automated Comment:

As per ISLH guidelines - Film not reviewed. If a film review is truly indicated, contact the laboratory within 24 hours of collection. Otherwise investigate any highlighted abnormalities as clinically appropriate.

All haematology parameters are within normal limits for age and sex.

**\*\* FINAL REPORT - Please destroy previous report \*\***

Pathology Report