



9256



Surname : King Sharpe  
Forename : Agnes  
Date of birth : 27/03/1990 (32y)  
Sample Number: YRV-2209-362  
Sex : Female  
Lab No : 1113034  
Sample Dated : 06/09/2022 10:15 AM  
Sample Received : 07/09/2022 3:43 PM  
Result Reported : 08/09/2022 9:20 AM  
Sample Type: V- Serum, EDTA,

| Test                         | Patient Result | Normal Range  | Units                     | Comment   |
|------------------------------|----------------|---|---------------------------|-----------|
| <b>Full Blood Count</b>      |                |   |                           |           |
| Haemoglobin                  | 144            | 120 - 160   | g/L                       |           |
| Red Blood Cells              | 4.92           | 3.80 - 5.80   | x10 <sup>12</sup> /L      |           |
| Haematocrit                  | 0.428          | 0.350 - 0.470   | L/L                       |           |
| Mean Cell Volume             | 86.9           | 81 - 98   | fl                        |           |
| <b>Red Cell Distribution</b> | <b>H 15.2</b>  | <b>11.5 - 14.4</b>  | <b>%</b>                  |           |
| Mean Cell Haemoglobin        | 29.3           | 27.0 - 33.0   | pg                        |           |
| MCHC                         | 337            | 300 - 350   | g/L                       |           |
| Platelets                    | 256            | 150 - 400   | x10 <sup>9</sup> /L       |           |
| MPV                          | 11.10          | 7 - 13  | fl                        |           |
| White Blood Cells            | 4.6            | 3.0 - 10.0  | x10 <sup>9</sup> /L       |           |
| Neutrophils                  | 2.11           | 2.0 - 7.5   | x10 <sup>9</sup> /L       |           |
| Lymphocytes                  | 1.96           | 1.2 - 3.65  | x10 <sup>9</sup> /L       |           |
| Monocytes                    | 0.37           | 0.2 - 1.0   | x10 <sup>9</sup> /L       |           |
| Eosinophils                  | 0.09           | 0 - 0.4   | x10 <sup>9</sup> /L       |           |
| Basophils                    | 0.04           | 0 - 0.1   | x10 <sup>9</sup> /L       |           |
| <b>Biochemistry</b>          |                |   |                           |           |
| Albumin                      | 42.0           | 35 - 50   | g/L                       |           |
| Total Protein                | 74.0           | 60 - 80   | g/L                       |           |
| Globulin                     | 32.0           | 19 - 35   | g/L                       |           |
| HbA1c-(IFCC)**               | 36             | 20 - <42 Non-diabetic<br>42 - <48 Prediabetes<br>>= 48 Diabetes<br>48 - 59 Good control | mmol/mol                  |           |
| CRP                          | 2.77           | <5.0  | mg/L                      |           |
| Iron                         | 15.0           | 5.8 - 34.5  | umol/L                    |           |
| Ferritin                     | 44.3           | 13 - 150  | ug/L                      |           |
| CK                           | 130            | 26 - 192  | U/L                       | New units |
| <b>Kidney Function</b>       |                |   |                           |           |
| Sodium                       | 141            | 133 - 146   | mmol/L                    |           |
| Urea                         | 4.9            | 2.5 - 7.8   | mmol/L                    |           |
| Creatinine                   | 70             | 45 - 84   | umol/L                    | New range |
| eGFR(Caucasian Only)         | 89             | >60 unless evidence of CKD  | ml/min/1.73m <sup>2</sup> |           |
| <b>Liver Function</b>        |                |   |                           |           |
| ALT                          | 24             | <35   | U/L                       | New units |
| GGT                          | 22             | 5 - 36  | U/L                       |           |
| Total Bilirubin              | 6.9            | <21   | umol/L                    |           |



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|-------------------------------|----------------|---|---------------|------------------|
| ALP                           | 83             | 30 - 130  | IU/L          | New Range        |
| <b>Bone Screen</b>            |                |   |               |                  |
| Uric Acid                     | 287            | 140 - 360   | umol/L        | New range        |
| <b>Lipids</b>                 |                |   |               |                  |
| Cholesterol                   | 4.69           | 0 - 5.0   | mmol/L        | New range        |
| HDL                           | 1.25           | >1.2  | mmol/L        |                  |
| Triglycerides                 | 1.08           | <1.7(Fasting)   | mmol/L        |                  |
| LDL                           | 2.95           | <3.0  | mmol/L        |                  |
| Chol:HDL ratio                | 3.75           | <4.0  | ratio         |                  |
| Non HDL Cholesterol           | 3.44           | <4  | mmol/L        |                  |
| <b>Hormones</b>               |                |   |               |                  |
| FSH                           | 5.2            | Follicular 3.5-12.5<br>Ovulation 4.7-21.5<br>Luteal 1.7-7.7<br>Postmenopause 25.8-134.8             | IU/L          |                  |
| LH                            | 4.8            | Follicular 2.4-12.6<br>Ovulation 14.0-95.6<br>Luteal 1.0-11.4<br>Postmenopause 7.7-58.5             | IU/L          |                  |
| Cortisol (Random)             | 233.0          | 6am - 10am 166 - 507<br>4pm - 8pm 73.8 - 291  | nmol/L        | New range        |
| Oestradiol                    | 77             | Follicular 45.4 - 854<br>Ovulation 151 - 1461<br>Luteal 82 - 1251<br>Postmenopause <100             | pmol/L        |                  |
| Free-Testosterone(Calculated) | 0.014          | 0.003 - 0.03  | nmol/L        |                  |
| <b>SHBG</b>                   | <b>L 28</b>    | <b>32.4 - 128</b>   | <b>nmol/L</b> | <b>New range</b> |
| Prolactin                     | 192            | 102 - 496   | mU/L          |                  |
| DHEA-Sulphate                 | 6.17           | 2.68 - 9.23   | umol/L        |                  |
| Progesterone                  | 0.6            | Follicular 0.181 - 2.84<br>Periovulatory 0.385 - 38.1<br>Luteal 5.82 - 75.9<br>Postmenopause <0.401 | nmol/L        |                  |
| Testosterone                  | 0.71           | 0.29 - 1.67   | nmol/L        | New range        |
| <b>Thyroid Function</b>       |                |   |               |                  |
| TSH                           | 1.14           | 0.27 - 4.20   | mU/L          | New range & unit |
| Free T4                       | 12.7           | 12.0 - 22.0   | pmol/L        |                  |



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| Free T3                    | 4.79           | 3.1 - 6.8  | pmol/L | New range |
| <b>Markers</b>             |                |  |        |           |
| PSA (Prostate)             | 0.010          |  | ng/mL  |           |
| <b>Immunology</b>          |                |  |        |           |
| Anti-Thyroidperoxidase abs | 12             | <34  | IU/mL  | New units |
| Anti-Thyroglobulin Abs     | 17             | <115   | IU/mL  | New units |
| <b>Vitamins</b>            |                |  |        |           |
| Vitamin D (25 OH)          | 79             | Optimal 75-200<br>Adequate 50-<75<br>Insufficient 25 -<50<br>Deficient <25 | nmol/L |           |
| B12-Active                 | 52.2           | 37.5 - 150   | pmol/L | New range |
| Serum Folate               | 10.30          | 8.83 - 60.8  | nmol/L |           |