

Smart Blood Analytics report #1192

#375 Anonymous_Patient_PNEU/INF

Female, 42 (1975)

Blood Parameters

Lab Test Date: 2018/03/05

Biochemistry

| | Value | Unit | Reference range |
|------------------|-------|--------|-----------------|
| Glucose | 5.8 | mmol/L | 4.1-5.6 |
| Urea | 7.3 | mmol/L | 2.1-7.1 |
| Potassium, K | 3.6 | mmol/L | 3.5-5 |
| Sodium, Na | 131 | mmol/L | 136-145 |
| Creatinine | 85 | µmol/L | 0-133 |
| Bilirubin Direct | 12 | µmol/L | 1.7-5.1 |
| Bilirubin, Total | 21 | µmol/L | 5.1-17 |

Protein and amino acid analysis

| | Value | Unit | Reference range |
|-------------------------|-------|------|-----------------|
| Troponin I | 0.071 | µg/L | 0-0.4 |
| C-Reactive Protein, CRP | 52 | mg/L | 0-5 |

Hemostasis

| | Value | Unit | Reference range |
|---|-------|------|-----------------|
| Prothrombin time, PT | 0.55 | 1 | 0.7-1 |
| Prothrombin international normalized ratio, INR | 1.44 | 1 | 0.9-1.2 |

Blood gas analysis and hemoglobins

| | Value | Unit | Reference range |
|---|-------|--------|-----------------|
| Carbon dioxide partial pressure, arterial blood, pCO2 | 3.9 | kPa | 4.7-5.9 |
| Oxygen, partial pressure, pO2 | 6.3 | kPa | 11-13 |
| Bicarbonate; HCO3, arterial blood | 23.3 | mmol/L | 21-28 |
| Carbon dioxide content, arterial blood | 24.2 | mmol/L | 24-32 |
| Base excess | 1.4 | mmol/L | -2-2 |
| Oxygen saturation, HbO2 | 0.86 | | 0.96-1 |

Enzymes

| | Value | Unit | Reference range |
|-----------------------------|-------|--------|-----------------|
| Alkaline Phosphatase, AP | 0.79 | µkat/L | 0.71-1.67 |
| Aspartate Aminotransferase, | 1.81 | µkat/L | 0.17-1 |

AST, GOT

| | | | |
|------------------------------------|------|--------|-----------|
| Alanine Aminotransferase, ALT, GPT | 0.63 | µkat/L | 0.17-0.48 |
| Gamma-Glutamyltransferase, GGT | 0.92 | µkat/L | 0-0.65 |
| Amylase, Total | 1.93 | µkat/L | 0.46-2.21 |
| Lipase | 2.55 | µkat/L | 0-0.65 |
| Creatine Kinase, CK | 21.7 | µkat/L | 0.58-2.47 |
| Lactate Dehydrogenase, LD | 8.16 | µkat/L | 1.7-3.2 |

Hematology











| | Value | Unit | Reference range |
|---|-------|---------|-----------------|
| Leukocyte count, WBC | 2.4 | 1E9/L | 4-10 |
| Erythrocyte count, RBC | 4.84 | 1E12/L | 4-5.2 |
| Hemoglobin | 133 | g/L | 120-150 |
| Hematocrit | 0.401 | 1 | 0.36-0.46 |
| Mean Corpuscular Volume, MCV | 82.8 | fL | 83-101 |
| Mean Corpuscular Hemoglobin, MCH | 27.4 | pg/cell | 27-32 |
| Mean Corpuscular Hemoglobin Concentration, MCHC | 338 | g/L | 315-345 |
| Erythrocyte Distribution Width, RDW | 19.3 | % | 11.6-14 |
| Thrombocytes count, Platelet count | 193 | 1E9/L | 150-410 |
| Mean Platelet Volume, MPV | 9.8 | fL | 9.2-12.9 |
| Neutrophils count | 1.87 | 1E9/L | 1.5-7.4 |
| Lymphocyte count | 0.35 | 1E9/L | 1-3.4 |
| Monocyte count | 0.2 | 1E9/L | 0.21-0.92 |
| Eosinophils count | 0 | 1E9/L | 0.02-0.67 |
| Basophils count | 0 | 1E9/L | 0-0.13 |
| Neutrophils % | 76 | % | 40-70 |
| Lymphocyte % | 14.3 | % | 22-44 |
| Monocyte % | 9.5 | % | 4-11 |
| Eosinophils % | 0.1 | % | 0-8 |
| Basophils % | 0.1 | % | 0-3 |



Smart Blood Analytics Report

Model used: Internal
medicine

Report Date: 2018/03/05

| | ICD | Prediction | Information | Description |
|---|-----|------------|-------------|--|
|  | J18 | 18.29% | 3.14 | Pneumonia, organism unspecified |
|  | J10 | 15.66% | 7.61 | Influenza due to other identified influenza virus |
|  | K85 | 10.93% | 2.68 | Acute pancreatitis |
|  | J96 | 6.56% | 2.03 | Respiratory failure, not elsewhere classified |
|  | I21 | 4.75% | -0.76 | Acute myocardial infarction |
|  | I50 | 4.22% | -0.53 | Heart failure |
|  | J15 | 2.56% | 2.23 | Bacterial pneumonia, not elsewhere classified |
|  | I48 | 2.45% | 0.15 | Atrial fibrillation and flutter |
|  | K80 | 1.63% | 0.05 | Cholelithiasis |
|  | I20 | 1.25% | -2.43 | Angina pectoris |

