

Table SI.Laboratory examination results for complete blood count, white blood cell count, blood chemistry, blood gas analysis, lumbar puncture analysis, COVID-19 test, and tuberculosis examination of the patient at the time of admission (reference range is based on the hospital laboratory).

Component	Result	Reference range
Complete blood count		
Haemoglobin	12 g/dl	11.5-15.5 g/dl
Erythrocyte	$4.3 \times 10^{12}/l$	$4.0-5.2 \times 10^{12}/l$
Haematocrit	37%	35-45%
MCV	86 fl	79-99 fl
MCH	29 pg	27-31 pg
MCHC	35 g/dl	33-37 g/dl
Leukocyte	7,900/ μ l	4,500-14,500 / μ l
Plateletcount	130,000/ μ l	150,000-450,000
ESR	127 mm/hour	0-10 mm/h
White blood cell count		
Basophil	0%	0-2%
Eosinophil	1%	0-5%
Neutrophil	77%	50-70%
Lymphocyte	19%	20-40%
Monocyte	3%	0-8%
Blood chemistry		
SGOT/AST	122 U/l	≤ 31 U/l
SGPT/ALT	90 U/l	≤ 32 U/l
Glucose	98 mg/dl (5.4 mmol/l)	<180 mg/dl (<10 mmol/l)
Blood gas analysis		
PCO ₂	112 mmHg	35–45 mmHg
PO ₂	131 mmHg	80–105 mmHg
pH	7.25	7.35-7.45
SaO ₂	97%	92-99%
HCO ₃ ⁻	47 mmol/l	22-27 mmol/l
Total CO ₂	53 mmol/l	24-29 mmol/l
BE	+22 mmol/l	(-2)-3 mmol/l
Lumbar puncture		
Pressure	30 cmH ₂ O	Normal: <20 cmH ₂ O Acute bacterial infection: Increased Viral infection: normal/increased Tubercular infection: Increased Normal: Clear
Appearance	Turbid-grey	

Leukocyte count	480 cells/mm ³	Acute bacterial infection: Turbid-grey, turbid, purulent Viral infection: Clear Tubercular infection: Clear/turbid-grey/yellowish Normal: <5 cells/mm ³ Acute bacterial infection: 1,000-50,000 cells/mm ³ Viral infection: Normal-high Tubercular infection: Increased 5-500 cells/mm ³
Differential count of leukocyte in lumbar puncture		
• Lymphocyte	72%	60–70%
• Monocyte	27%	30–50%
• PMN leukocyte	0	0%
• Eosinophil	1%	0%
Erythrocyte	Not detected	0
Glucose	1.6 mmol/l	Normal: 3.9-5.5 mmol/l
		Acute bacterial infection: Low
		Viral infection: Increased
		Tubercular infection: Low
Protein	4.14 g/l	Normal: <0.5 g/L
		Acute bacterial infection: High>1 g/L
		Viral infection: Normal-high 0.5–1 g/L
		Tubercular infection: High>1 g/L
Glucose:	1.6:5.4 mmol/l =	Normal: 0.6
CSF: Serumratio	0.296	Acute bacterial infection: <0.4
		Viral infection: >0.6
		Tubercular infection: <0.4
Rapid antigen test		
SARS-CoV2-Ag	Positive	Negative
Polymerase chain reaction		
SARS-CoV2 PCR	Positive	Negative
Tuberculosis		
Xpert MTB/RIF assay	Low-detected TB	Not detected
Rifampicin resistance	Not detected	Not detected

ALT, alanine aminotransferase; AST, aspartate aminotransferase BE, base excess; CO₂, carbon dioxide; CSF, cerebrospinal fluid; ESR, erythrocyte sedimentation rate; HCO₃⁻, bicarbonate ion; MCH, mean corpuscular haemoglobin; MCHC, mean corpuscular hemoglobin concentration; MCV, mean corpuscular volume; MTB, *Mycobacterium tuberculosis*; PCO₂, partial pressure of carbon dioxide; pH, potential of hydrogen; PMN, polymorphonuclear; PO₂, partial pressure of oxygen; SaO₂, oxygen saturation; SARS-CoV2 PCR, polymerase chain reaction testing for severe acute respiratory syndrome coronavirus 2; SARS-CoV2-Ag, antigen testing for severe acute respiratory syndrome coronavirus 2; SGOT, serum glutamic oxaloacetic transaminase; SGPT, serum glutamic pyruvic transaminase.