

Case 16

A 50-year-old woman. She is known to have SLE, lupus nephritis for 20 years. She is complaining about the sudden appearance of purpura on the legs and hypermenorrhea.

Parameter	Value	Abn	Reference interval
WBC	6.0 G/l		4–10 G/l
Neutrophil	67.1 %		40–70 %
Neutrophil (abs)	4.0 G/l		1.8–7.0 G/l
Lymphocyte	16.9 %	L	20–40 %
Monocyte	10.6 %	H	2–6 %
Eosinophil	4.7 %		0–5 %
Basophil	0.7 %		0–1 %
RBC	4.27 T/l		4.0–5.2 T/l
Hemoglobin	102 g/l	L	120–150 g/l
HCT	0,33	L	0.34–0.45
MCV	78.2 fl	L	80–99 fl
MCH	23.9 pg	L	27–34 pg
MCHC	305 g/l	L	315–360 g/l
RDW	15.9 %	H	11.5–15.0 %
PLT	10 G/l	L	150–400 G/l
MPV	14 fl	H	7.0–12.5 fl
Reticulocyte	0.9 %		0.5–2.0 %
Reticulocyte (abs.)	38.0 G/l		30–100 G/l
Glucose	5.6 mmol/l		4.1–5.9 mmol/l
Sodium	139 mmol/l		135–146 mmol/l
Potassium	4.1 mmol/l		3.5–5.1 mmol/l
BUN	7.3 mmol/l	H	3.5–7.0 mmol/l
Creatinine	197 µmol/l	H	40–130 µmol/l
eGFR	24.7 ml/min	L	>60 ml/min
LDH	236 U/l	H	<170 U/l
CRP	5.54 mg/l		< 8 mg/l

Case 17

A 68-year-old man has been admitted to a neurological ward for having recurrent epileptic seizures. He has been having fever for 3 days. Purpura and suffusion are seen throughout the body. Cranial CT is negative, there is no no sign of ischemia or bleeding.

Parameter	Values	Abn	Reference interval
WBC	13.6 G/l	H	4–10 G/l
Neutrophil granulocyte	83.1 %	H	40–70 %
Neutrophil granulocyte (abs)	11.3 G/l	H	1.8–7.0 G/l
Lymphocyte	13.5 %	L	20–40 %
Monocyte	3.1 %		2–6 %
Eosinophil	0.1 %		0–5 %
Basophil	0.2 %		0–1 %
RBC	3.43 T/l	L	4.5–5.9 T/l
Hemoglobin	92 g/l	L	135–170 g/l
HCT	0.26	L	0.39–0.52
MCV	76.0 fl	L	80–99 fl
MCH	27.0 pg	L	27–34 pg
MCHC	354 g/l		315–360 g/l
RDW	19.7 %	H	11.5–15.0 %
PLT	17 G/l	L	150–400 G/l
MPV	6.8 fl		7.0–12.5 fl
Reticulocyte	3.9 %	H	0.5–2 %
Reticulocyte (abs)	133 G/l	H	30–100 G/l
Prothrombin	96 %		75–125 %
INR	1.03		0.85–1.20
aPTI	30.4 s		28–40 s
Fibrinogen	2.8 g/l		1.5–4.0 g/l
Sodium	137 mmol/l		135–146 mmol/l
Potassium	4.1 mmol/l		3.5–5.1 mmol/l
BUN	16.0 mmol/l	H	3.5–7.0 mmol/l
Creatinine	123 µmol/l		40–130 µmol/l
eGFR	53.2 ml/min	L	> 60 ml/min
Calcium	1.98 mmol/l	L	2.20–2.65 mmol/l
T. bilirubin	61.3 µmol/l	H	< 20 µmol/l
D. bilirubin	30.3 µmol/l	H	< 3.4 µmol/l
GOT	58 U/l	H	< 50 U/l
GPT	1 U/l		< 50 U/l
Alkaline phosphatase	47 U/l		< 120 U/l
GGT	23 U/l		< 55 U/l
LDH	918 U/l	H	< 170 U/l
Total protein	69.3 g/l		66–83 g/l
Albumin	30.1 g/l	L	35–52 g/l
CRP	13.79 mg/l	H	< 8 mg/l
Procalcitonin	0.20 µg/l		< 0.50 µg/l
Haptoglobin	too low to measure		0.3–2.0 g/l
Direct Coombs	negative		