

Setup: all data

AV = assigned value	N _{tot} = total number of the results	N _{eva} = number of the results assessed
CVE = consensus of the experts	N _{rel} = relative number of the results	N _{suc} = number of successful results
>>> ... expected result		S _{rel} = relative success
> ... acceptable result		
± ... result not assessed		

Sample Test Group	Frequency of the results				Success		
	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]

Photo**Photo A1****(941) Object no. 1: type of cell**

All results		1	1,7	Lymphocyte pop.: Lymphoblast
	CVE >>>	59	98	Lymphocyte pop.: Lymphocyte

(942) Object no. 1: morphology

All results		1	1,7	Granulopoiesis: Normal finding
		19	32	Lymphocyte pop.: Normal lymphocyte/plasmocyte
	CVE >>>	40	67	Lymphocyte pop.: Patological lymphocyte

(943) Object no. 2: type of cell

All results		3	5	Granulopoiesis: Promyelocyte
	CVE >>>	56	93	Granulopoiesis: Neutrophil myelocyte
		1	1,7	Granulopoiesis: Neutrophil metamyelocyte

(944) Object no. 2: morphology

All results		14	23	Granulopoiesis: Normal finding
	CVE >>>	40	67	Granulopoiesis: Hypo-/agranularity
		2	3,3	Granulopoiesis: Neutrophil disgranularity
	>	7	12	Granulopoiesis: Cytoplasmatic vacuolisation
	>	12	20	Granulopoiesis: Nucleocytoplasmatic asynchrony
		1	1,7	Granulopoiesis: Döhle bodies

(945) Object no. 3: type of cell

All results	CVE >>>	60	100	Granulopoiesis: Neutrophil segment
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(946) Object no. 3: morphology

All results	>	9	15	Granulopoiesis: Normal finding
	>	14	23	Granulopoiesis: Hypo-/agranularity
	CVE >>>	43	72	Granulopoiesis: Cytoplasmatic vacuolisation
		4	6,7	Granulopoiesis: Döhle bodies
		1	1,7	Granulopoiesis: Abnormal chromatin clumping

(947) Object no. 4: type of cell

All results	CVE >>>	60	100	Lymphocyte pop.: Plasmocyte
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(948) Object no. 4: morphology

All results		2	3,3	Granulopoiesis: Normal finding
		1	1,7	Granulopoiesis: Cytoplasmatic vacuolisation
	>	40	67	Lymphocyte pop.: Normal lymphocyte/plasmocyte
		1	1,7	Lymphocyte pop.: Patological lymphocyte
	>	8	13	Lymphocyte pop.: Patological plasmocyte/plasmablast
	>	13	22	Lymphocyte pop.: Cytoplasmatic vacuolisation

(949) Object no. 5: type of cell

All results		1	1,7	Erythropoiesis: Basophilic erythroblast
	CVE >>>	52	87	Erythropoiesis: Polychromatophil erythroblast
		7	12	Erythropoiesis: Orthochromatic erythroblast

(950) Object no. 5: morphology

All results		1	1,7	Granulopoiesis: Nucleocytoplasmatic asynchrony
	CVE >>>	27	45	Erythropoiesis: Normal finding
	>	28	47	Erythropoiesis: Disturbance of cytoplasmatic haemoglobinisation
	>	7	12	Erythropoiesis: Cytoplasmatic vacuolisation
		2	3,3	Erythropoiesis: Nucleocytoplasmatic asynchrony
		1	1,7	Erythropoiesis: Abnormal chromatin clumping

(951) Overall assessment (photos - score)

		60		60	55	92
Maximum score achievable:	56 points	Criterion (60 % out of the maximum):	34 points			
Minimum score achieved:	22 points (39,3 %)					
Maximum score achieved:	56 points (100 %)					

All results		5	8,3	Unacceptable result
	>>>	55	92	Satisfactory result

Photo A2**(941) Object no. 1: type of cell**

All results		1	1,7	Lymphocyte pop.: Lymphoblast
	CVE >>>	59	98	Lymphocyte pop.: Lymphocyte

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Sample Test Group	Frequency of the results				Success		
	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
(942) Object no. 1: morphology							
All results	>	24	40	Lymphocyte pop.: Normal lymphocyte/plasmocyte			
	CVE >>>	36	60	Lymphocyte pop.: Pathological lymphocyte			
(943) Object no. 2: type of cell							
All results		2	3,3	Granulopoiesis: Basophil myelocyte			
	CVE >>>	56	93	Granulopoiesis: Mastocyte			
		2	3,3	Other cells: Macrophage			
(944) Object no. 2: morphology							
All results	±	24	40	Not specified			
	±	30	50	Granulopoiesis: Normal finding			
	±	3	5	Granulopoiesis: Hypergranularity/toxic granulation			
	±	3	5	Granulopoiesis: Cytoplasmatic vacuolisation			
	±	1	1,7	Granulopoiesis: Abnormal chromatin clumping			
(945) Object no. 3: type of cell							
All results	CVE >>>	53	88	Granulopoiesis: Promyelocyte			
		7	12	Granulopoiesis: Neutrophil myelocyte			
(946) Object no. 3: morphology							
All results	CVE >>>	43	72	Granulopoiesis: Normal finding			
		2	3,3	Granulopoiesis: Hypergranularity/toxic granulation			
		2	3,3	Granulopoiesis: Neutrophil disgranularity			
	>	8	13	Granulopoiesis: Cytoplasmatic vacuolisation			
	>	7	12	Granulopoiesis: Nucleocytoplasmatic asynchrony			
		1	1,7	Erythropoiesis: Normal finding			
(947) Object no. 4: type of cell							
All results	CVE >>>	56	93	Erythropoiesis: Polychromatophil erythroblast			
		4	6,7	Erythropoiesis: Orthochromatic erythroblast			
(948) Object no. 4: morphology							
All results	>	28	47	Erythropoiesis: Normal finding			
	>	32	53	Erythropoiesis: Disturbance of cytoplasmatic haemoglobinisation			
		4	6,7	Erythropoiesis: Nucleocytoplasmatic asynchrony			
		1	1,7	Erythropoiesis: Abnormal chromatin clumping			
(949) Object no. 5: type of cell							
All results		1	1,7	Lymphocyte pop.: Lymphoblast			
	CVE >>>	58	97	Lymphocyte pop.: Lymphocyte			
		1	1,7	Lymphocyte pop.: Plasmocyte			
(950) Object no. 5: morphology							
All results		5	8,3	Lymphocyte pop.: Normal lymphocyte/plasmocyte			
		1	1,7	Lymphocyte pop.: Reactive lymphocyte			
	CVE >>>	53	88	Lymphocyte pop.: Pathological lymphocyte			
		1	1,7	Lymphocyte pop.: Pathological plasmocyte/plasmablast			
(951) Overall assessment (photos - score)							
		60			60	53	88
Maximum score achievable: 52 points		Criterion (60 % out of the maximum): 32 points					
Minimum score achieved: 16 points (30,8 %)							
Maximum score achieved: 52 points (100 %)							
All results		7	12	Unacceptable result			
	>>>	53	88	Satisfactory result			

Photo B1

(941) Object no. 1: type of cell							
All results	CVE >>>	53	88	Granulopoiesis: Myeloblast			
	CVE >>>	7	12	Other cells: Blast, unclassifiable			
(942) Object no. 1: morphology							
All results	±	52	87	Not specified			
	±	8	13	Granulopoiesis: Normal finding			
(943) Object no. 2: type of cell							
All results	CVE >>>	60	100	Granulopoiesis: Neutrophil segment			
(944) Object no. 2: morphology							
All results		6	10	Granulopoiesis: Normal finding			
	CVE >>>	52	87	Granulopoiesis: Hypo-/agranularity			
		2	3,3	Granulopoiesis: Cytoplasmatic vacuolisation			
		2	3,3	Granulopoiesis: Nucleocytoplasmatic asynchrony			
	>	11	18	Granulopoiesis: Neutrophil and eosinophil hyposegmentation and acquired Pelger-Huët anomaly			
		1	1,7	Granulopoiesis: Döhle bodies			
		5	8,3	Granulopoiesis: Abnormal chromatin clumping			

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Sample Test Group	Frequency of the results				Success		
	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
		3	5	Granulopoiesis: Normal finding			
	>	14	23	Granulopoiesis: Hypo-/agranularity			
		1	1,7	Granulopoiesis: Hypergranularity/toxic granulation			
		2	3,3	Granulopoiesis: Neutrophil disgranularity			
		9	15	Granulopoiesis: Nucleocytoplasmatic asynchrony			
	CVE >>>	47	78	Granulopoiesis: Neutrophil and eosinophil hyposegmentation and acquired Pelger-Huët anomaly			
		1	1,7	Granulopoiesis: Döhle bodies			
		1	1,7	Erythropoiesis: Macroerythroblast			
(945) Object no. 3: type of cell							
All results	CVE >>>	60	100	Other cells: Bare nuclei / smudge cell			
(946) Object no. 3: morphology							
All results	CVE >>>	60	100	Not specified			
(947) Object no. 4: type of cell							
All results		5	8,3	Granulopoiesis: Myeloblast			
		1	1,7	Granulopoiesis: Promyelocyte			
	CVE >>>	49	82	Monocyte pop: Monoblaste			
		2	3,3	Monocyte pop: Promonocyte			
		3	5	Other cells: Blast, unclassifiable			
(948) Object no. 4: morphology							
All results	±	42	70	Not specified			
	±	1	1,7	Granulopoiesis: Hypo-/agranularity			
	±	7	12	Granulopoiesis: Cytoplasmatic vacuolisation			
	±	1	1,7	Granulopoiesis: Abnormal/leukemic promyelocyte			
	±	5	8,3	Monocyte pop: Normal finding			
	±	6	10	Monocyte pop: Atypical/reactive monocyte			
(949) Object no. 5: type of cell							
All results		2	3,3	Erythropoiesis: Polychromatophil erythroblast			
	CVE >>>	58	97	Erythropoiesis: Orthochromatic erythroblast			
(950) Object no. 5: morphology							
All results		1	1,7	Not specified			
		1	1,7	Granulopoiesis: Nucleocytoplasmatic asynchrony			
	>	20	33	Erythropoiesis: Normal finding			
		1	1,7	Erythropoiesis: Nucleus karyorrhesis / lobulisation / fragmentation			
		6	10	Erythropoiesis: Pycnosis of nucleus			
	CVE >>>	31	52	Erythropoiesis: Disturbance of cytoplasmatic haemoglobinisation			
		1	1,7	Erythropoiesis: Howell-Jolly bodies			
		8	13	Erythropoiesis: Nucleocytoplasmatic asynchrony			
		5	8,3	Erythropoiesis: Macroerythroblast			
		1	1,7	Erythropoiesis: Megaloerythroblast			
(951) Overall assessment (photos - score)							
		60			60	51	85
Maximum score achievable: 56 points		Criterion (60 % out of the maximum): 34 points					
Minimum score achieved: 12 points (21,4 %)							
Maximum score achieved: 56 points (100 %)							
All results		9	15	Unacceptable result			
	>>>	51	85	Satisfactory result			
General view							
Patient A							
(955) Cellularity							
All results	CVE >>>	42	70	Normocellular			
		18	30	Hypercellular			
(956) Granulopoiesis - count							
All results		21	35	Within physiological limits			
		4	6,7	Increased			
	CVE >>>	35	58	Decreased			
(957) Granulopoiesis - morphology							
All results	CVE >>>	48	80	No significant changes			
		8	13	Dysplastic granulopoiesis			
		4	6,7	Atypical/toxic granulopoiesis			
(958) Erythropoiesis - count							
All results	CVE >>>	51	85	Within physiological limits			
		4	6,7	Increased			
		5	8,3	Decreased			
(959) Erythropoiesis - morphology							
All results	CVE >>>	48	80	No significant changes			

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	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]
		9	15	Dysplastic erythropoiesis			
		3	5	Atypical erythropoiesis			
(960) Lymphopoiesis - count							
All results		5	8,3	Within physiological limits			
	CVE >>>	55	92	Increased			
(961) Lymphopoiesis - morphology							
All results		1	1,7	No significant changes			
		1	1,7	Reactive changes/irritations			
	CVE >>>	58	97	Pathological lymphopoiesis			
(966) Estimation of diagnosis							
All results		1	1,7	Mastocytosis			
		1	1,7	Plasma cell myelom/MGUS			
	CVE >>>	58	97	Lymphoplasmacytic lymphoma / M.Waldenström			
(967) Overall assessment (description - score)		60			60	51	85
Maximum score achievable: 18 points	Criterion (60 % out of the maximum):	11 points					
Minimum score achieved: 0 points (0 %)							
Maximum score achieved: 18 points (100 %)							
All results		9	15	Unacceptable result			
	>>>	51	85	Satisfactory result			
Patient B							
(955) Cellularity							
All results		>	22	37	Normocellular		
			2	3,3	Hypercellular		
	CVE >>>	36	60	Hypocellular			
(956) Granulopoiesis - count							
All results		4	6,7	Within physiological limits			
		7	12	Increased			
	CVE >>>	49	82	Decreased			
(957) Granulopoiesis - morphology							
All results		1	1,7	No significant changes			
		14	23	Dysplastic granulopoiesis			
		1	1,7	Atypical/toxic granulopoiesis			
	CVE >>>	44	73	Pathological (clonal) granulopoiesis			
(958) Erythropoiesis - count							
All results		1	1,7	Within physiological limits			
	CVE >>>	59	98	Decreased			
(959) Erythropoiesis - morphology							
All results		CVE >>>	44	73	No significant changes		
			12	20	Dysplastic erythropoiesis		
			1	1,7	Megaloblastic erythropoiesis		
			3	5	Macroerythroblastic erythropoiesis		
(960) Lymphopoiesis - count							
All results		CVE >>>	33	55	Within physiological limits		
		>	27	45	Decreased		
(961) Lymphopoiesis - morphology							
All results		CVE >>>	60	100	No significant changes		
(962) Monocytopoiesis - count							
All results			6	10	Within physiological limits		
	CVE >>>	54	90	Increased			
(963) Monocytopoiesis - morphology							
All results			7	12	No significant changes / reactive changes		
	CVE >>>	53	88	Pathological monocytopoiesis			
(966) Estimation of diagnosis							
All results		CVE >>>	59	98	Acute myeloid leukaemia - all types according to WHO (excl. APL)		
			1	1,7	APL (acute promyelocytic leukaemia)		
(967) Overall assessment (description - score)		60			60	51	85
Maximum score achievable: 22 points	Criterion (60 % out of the maximum):	14 points					
Minimum score achieved: 5 points (22,7 %)							
Maximum score achieved: 22 points (100 %)							
All results		9	15	Unacceptable result			
	>>>	51	85	Satisfactory result			

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Sample Test Group	Frequency of the results				Success		
	AV	N _{tot}	N _{rel} [%]	Result	N _{eva}	N _{suc}	S _{rel} [%]

Summary for all samples

(951) Overall assessment (photos - score)		60			60	53	88
(967) Overall assessment (description - score)		60			60	45	75