

Verein für
Association pour le
Associazione per il



medizinische Qualitätskontrolle
contrôle de qualité médical
controllo di qualità medico

Report

Differential Blood Smear H3

MQ 2016-3

Acknowledgements

The Mythic 18 analyzer was provided by the company Polymed, the ABX Micros CRP 200 analyzer by the company Axonlab and the XP-300 analyzer by the Firma Sysmex. MQ employees conducted the measurements.

The findings of the XE-5000 and ADVA 2120 devices and of the microscopic blood counts were generated by the Central Laboratory of Medical Diagnostic HAD of the University Hospital Zurich Hematology Clinic. The lab is ISO/IEC 17025 certified (STS 445). Dr. J-D. Studt is the responsible manager; Prof. MG Manz, M.D., the clinic director.

www.haematologie.usz.ch

For information regarding all analyses offered by the University Hospital of Zurich, see:

www.uzl.usz.ch

(c) 2016 Verein für medizinische Qualitätskontrolle

Index

1	SAMPLE A	4
1.1	ABX Micros	4
1.2	Mythic	5
1.3	Sysmex XP300	6
1.4	Sysmex XE-5000	7
1.5	ADVIA 2120	9
1.6	Differential Blood Smear	11
1.7	Summary of participant results	13
1.8	Qualab Codes	14
2	SAMPLE B	15
2.1	ABX Micros	15
2.2	Mythic	16
2.3	Sysmex XP300	17
2.4	Sysmex XE-5000	18
2.5	ADVIA 2120	20
2.6	Differential Blood Smear	22
2.7	Summary of participant results	24
2.8	Qualab Codes	25

1 Sample A

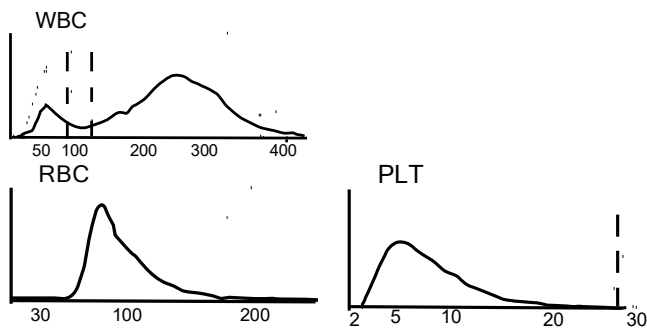
1.1 ABX Micros



Findings MQ 2016-3 H3A 62 year old women

WBC :	9.1	10 ⁹ /L	MCV :	101.4	H	fL
RBC :	4.48	10 ¹² /L	MCH :	32.7		pg
HGB :	147	g/L	MCHC:	322		g/L
HCT :	455	L/L	RDW :	15.3	H	%
PLT :	295	10 ⁹ /L	MPV :	7.6		fL
PCT :	224	10 ⁻² L/L	PDW :	15.3		%

DIFF:					
%LYM:	11.1	L	%	#LYM:	1.0 L 10 ⁹ /L
%MON:	3.6	L	%	#MON:	0.3 10 ⁹ /L
%GRA:	85.3	H	%	#GRA:	7.8 H 10 ⁹ /L

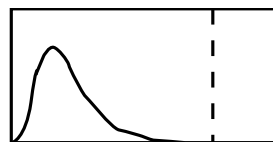
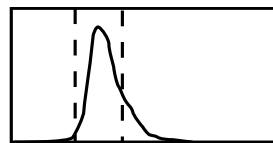
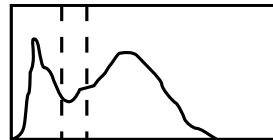


1.2 Mythic



Findings MQ 2016-3, H3A 62 year old women

WBC	9.3	10 ⁹ /l	3.5 /	10.0
LYM	2.1	10 ⁹ /l	1.2 /	3.2
MON	1.0	10 ⁹ /l	0.1 /	1.0
GRA	6.2	10 ⁹ /l	1.2 /	6.8
LYM%	22.9	%	17.0 /	48.0
MON%	10.5	h %	2.0 /	10.0
GRA%	66.6	%	43.0 /	76.0
RBC	4.32	10 ¹² /l	4.00 /	5.70
HGB	143	g/l	140 /	180
HCT	0.421	l/l	0.420 /	0.540
MCV	97.5	fl	80.0 /	100.0
MCH	33.1	pg	26.0 /	34.0
MCHC	340	g/l	310 /	365
RDW	13.6	%	10.0 /	16.0
PLT	332	10 ⁹ /l	150 /	400
MPV	8.2	fl	7.0 /	11.0
PCT	0.272	cl/l	0.100 /	0.500
PDW	15.7	%	10.0 /	18.0



FLAGS FL2FL3
Monocytosis

1.3 Sysmex XP300



Findings MQ 2016-3, H3A
62 year old women

WBC	9.3	24.2	10 ³ /μL	
RBC	4.47	-3.73	10 ⁶ /μL	
HGB	15.6	-9.0	g/L	
HCT	43.5	-25.8	%	
MCV	+97.3	-69.2	fL	
MCH	+34.9	-24.1	pg	
MCHC	35.9	34.9	g/L	
PLT	302	161	10 ³ /μL	
LYM%	-11.4	-	%	
MXD%	5.5	-	%	
NEUT%	+83.1	-	%	
LYM#	1.1	-	10 ³ /μL	
MXD#	0.5	-	10 ³ /μL	
NEUT#	+7.7	-	10 ³ /μL	
RDW_SD	+48.3	42.5	fL	
RDW_CV	13.1	+17.3	%	
PDW	12.1	+16.9	fL	
MPV	9.7	10.2	fL	
P_LCR	22.8	30.4	%	
PCT	0.29	0.16	%	

1.4 Sysmex XE-5000

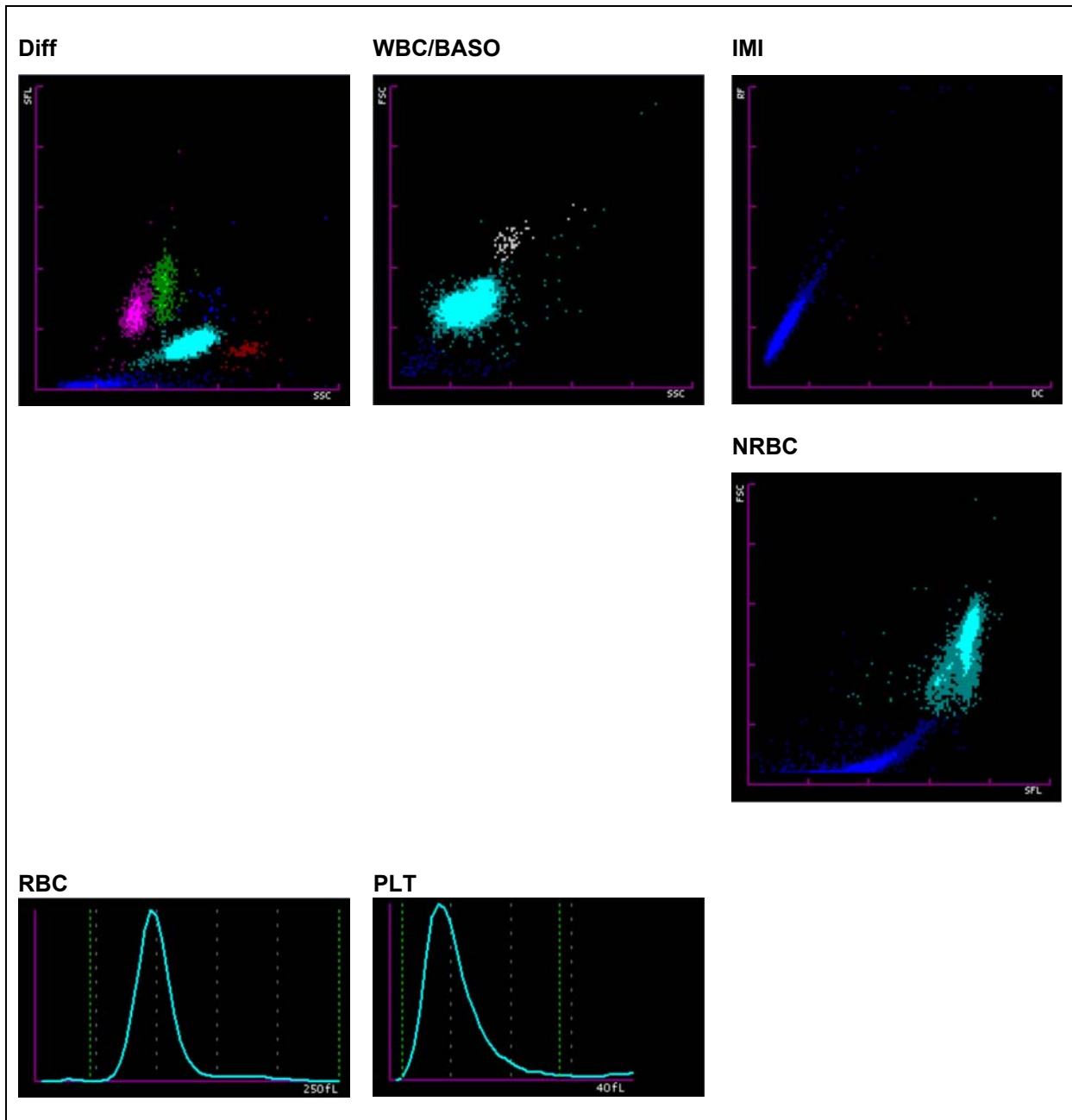


Findings HAD MQ 2016-3 H3A

62 year old women

Analysis	Result	Unit	Reference value
Blood Count			
<u>Hemoglobin</u>	148	g/l	134-170
<u>Hematocrit</u>	0.431	l/l	0.400-0,500
Erythrocytes	4.5	T/l	4.2-5.7
MCV	95.8	fl	80-100
MCH	32.9	pg	26-34
MCHC	343	g/l	310-360
Mikrocytes	13.8	%	11.0-14.8
<u>Thrombocytes</u>	302	G/l	143-400
<u>Leucocytes</u>	9.52	G/l	3.0-9.6
Leucocyte Differentiation			
Neutrophils	7.80	G/l	
Monocytes	0.54	G/l	
Eosinophils	0.14	G/l	
Basophils	0.07	G/l	0.00-0.15
Lymphocytes	* 0.97	G/l	
IG abs.	0.01	G/l	
IG %	0.1	%	
NRBC abs.	0.03	G/l	
NRBC	0.3	/100 Lc	

Findings HAD MQ 2016-3 H3A

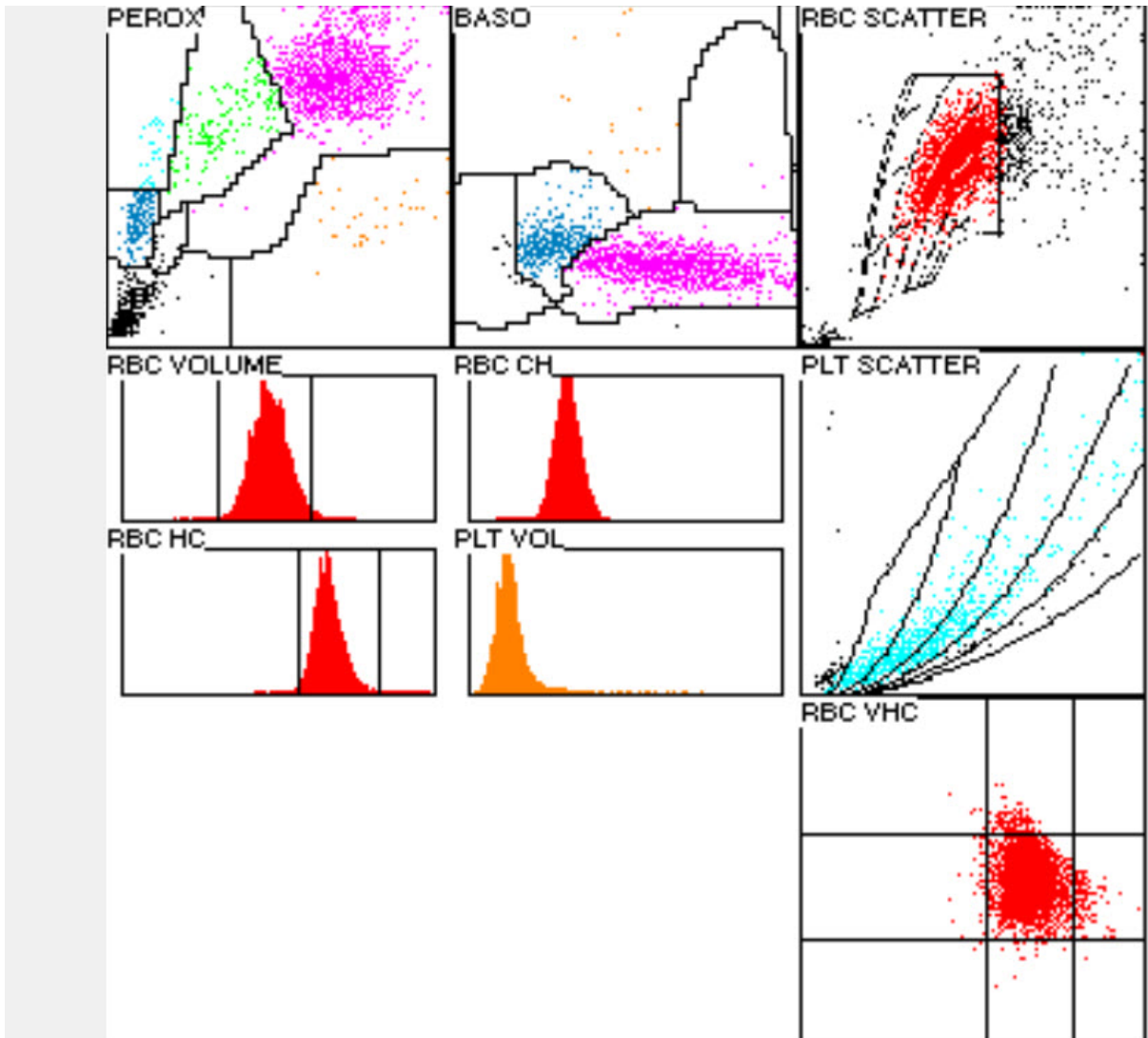


1.5 ADVIA 2120



Findings HAD MQ 2016-3 H3A 62 year old women

Analysis	Result	Unit	Reference value
Blood Count			
<u>Hemoglobin</u>	148	g/l	134-170
<u>Hematocrit</u>	0.416	l/l	0.400-0,500
Erythrocytes	4.49	T/l	4.2-5.7
MCV	92.8	fl	80-100
MCH	32.9	pg	26-34
MCHC	354	g/l	310-360
Mikrocytes	0.2	%	0-2.0
Macrocytes	1.1	%	0-2.0
Hypochromic Ec	0.5	%	0-2.0
Hyperchromic Ec	0.7	%	0-2.0
RDW	12.7	%	11.0-14.8
<u>Thrombocytes</u>	349	G/l	143-400
Vd. L-SHIFT	0	+	None (0)
<u>Leucocytes</u>	* 9.83	G/l	3.0-9.6
Leucocyte Differentiation			
Neutrophils	* 8.11	G/l	1.40-8.00
Monocytes	0.49	G/l	0.16-0.95
Eosinophils	0.10	G/l	0.00-0.70
Basophile	0.03	G/l	0.00-0.15
Lymphocytes	* 0.96	G/l	1.50-4.00
LUC	1.3	%	0.0-4.0



1.6 Differential Blood Smear

Findings HAD MQ 2016-3 H3A

62 year old women

Analysis		Result	Unit	Reference value
Neutrophils total	*	8.11	G/l	1.40-8.00
Monocytes		0.49	G/l	0.16-0.95
Eosinophils		0.10	G/l	0.00-0.70
Basophils		0.03	G/l	0.00-0.15
Lymphocytes	*	0.96	G/l	1.50-4.00
Neutrophils total		81.0	%	40.0-74.0
Neutrophils Band	*	4.5	%	0.0-20.0
Neutrophils Segmented	*	76.5	%	30.0-50.0
Monocytes		3.5	%	3.4-9.0
Eosinophils		0.20	%	0.0-7.0
Basophils		0.15	%	0.0-1.5
Lymphocytes	*	1.18	%	19.0-48.0
Plasmacells		0.0	%	0-0.5
Blasts		0.0	%	0
Promyelocytes		0.0	%	0
Myelocytes		0.0	%	0
Metamyelocytes		0.0	%	0
Nucleated Red Cells		0.0	/100 Lc	

Commentary

Normochromic, slightly anisocytic red blood picture with few microcytes and few macrocytes. Neutrophils with coarse cytoplasmic granulation. Hypogranular platelets.

K. Schreiber / PD. Dr. St. Balabanov

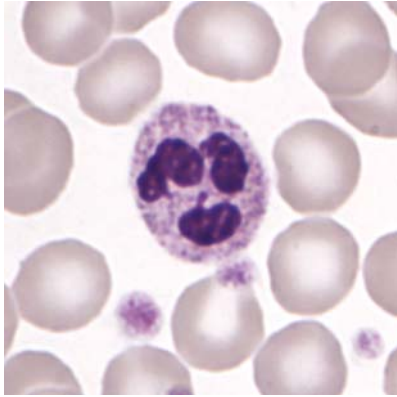


Abb 1. Neutrophil (Seg)

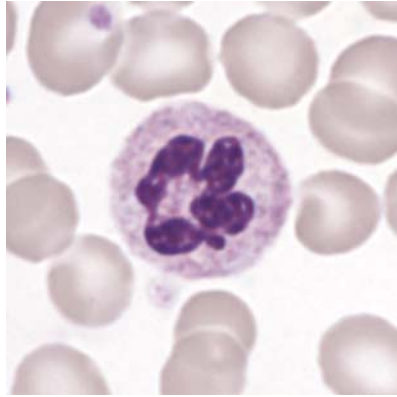


Abb 2. Neutrophil (Seg)

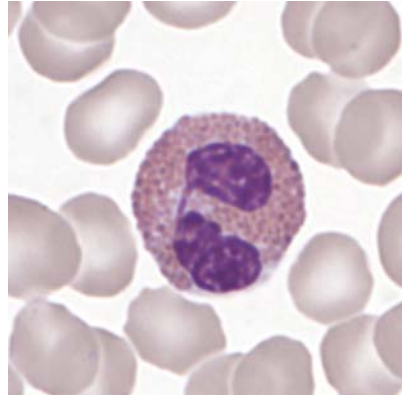


Abb 3. Eosinophil

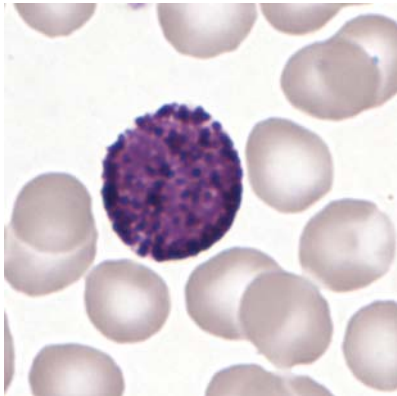


Abb 4. Basophil

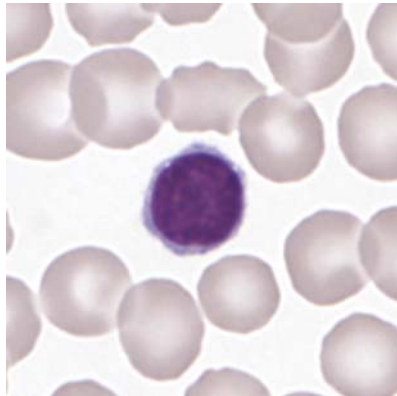


Abb 5. Lymphocyte

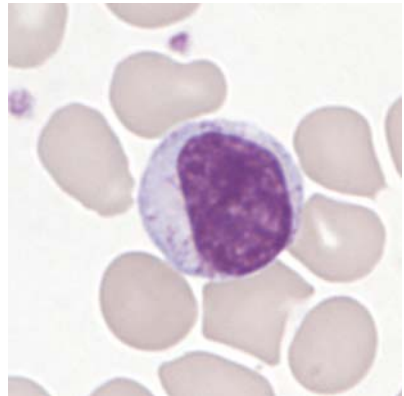


Abb 6. Lymphocyte (LGL)

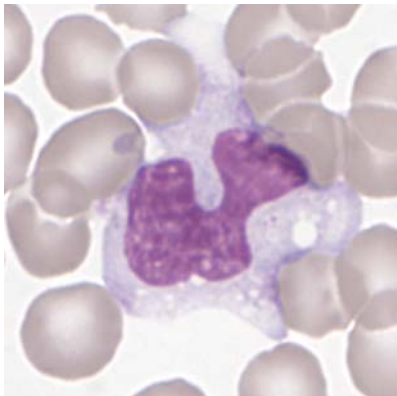


Abb 7. Monocyte

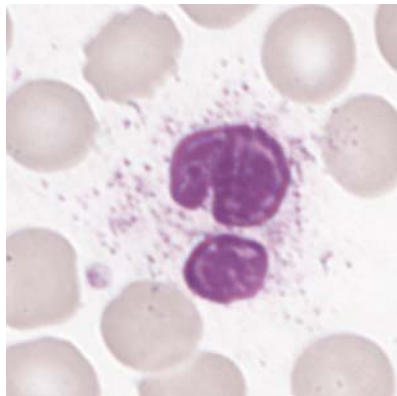


Abb 8. Damaged cell

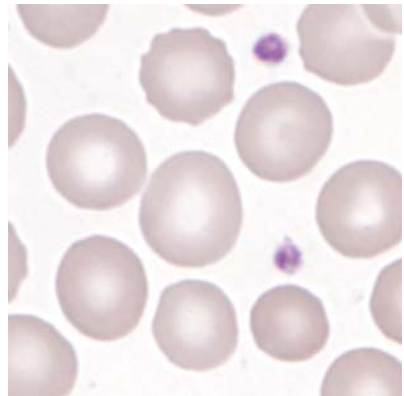


Abb 9. Erythrocytes, Anisocytosis

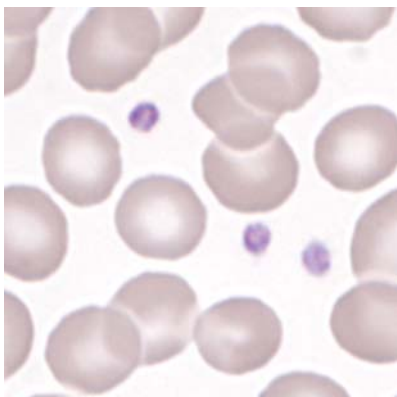


Abb 10. Thrombocytes

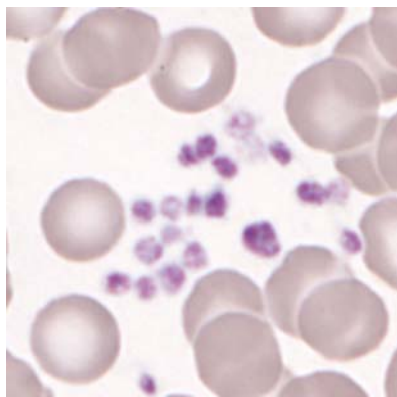


Abb 11. Thrombocytes

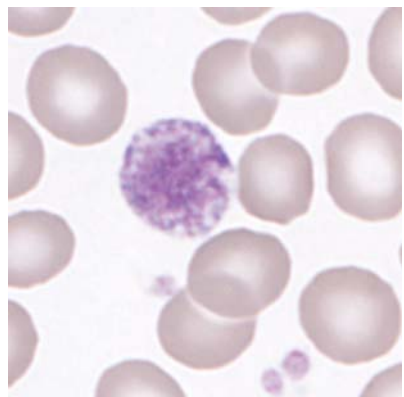


Abb 12. Giant Thrombocyte

1.7 Summary of participant results

Leukocyte Differenzial H3-A

	0	1-4	5-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	>79
<i>Neutrophils Band</i>	9	99*	111	81	12	6			2	1	
<i>Neutrophils Segmented.</i>	1				3	1	5	15	72	191*	33
<i>Eosinophils</i>	89	226*	4	2							
<i>Basophile</i>	122	199*									
<i>Monocytes</i>	22	190*	103	6							
<i>Lymphocytes</i>	2	1	32	261*	22	3					
<i>Plasmacells</i>	317*	2	2								
<i>Blasts</i>	318*	3									
<i>Promyelocytes</i>	321*										
<i>Myelocytes</i>	315*	6									
<i>Metamyelozyten</i>	316*	5									
<i>Erythrocytes Nucleated</i>	317*	4									
<i>Unknown</i>	318*	3									
<i>Smudge cells</i>	306*	14	1								

Evaluation H3-A

	light	medium	strong		light	medium	strong
<i>Hypersegmentation</i>	79	24	3	<i>Hypochromic Ec</i>	31	2	
<i>Pelger-Hüet Anomaly</i>	2	1		<i>Polychromatic Ec</i>	17	2	
<i>Coarse Granulation</i>	85*	24	2	<i>Anisocytes</i>	131*	18	
<i>Basophilic Stripping</i>	5	2	1	<i>Mikrocytes</i>	40*	3	
<i>Vacuoles</i>	25	1	1	<i>Makrocytes</i>	60*	12	2
<i>Reaktive Lymphocytes</i>	28	4	2	<i>Megalocytes</i>	8	1	
<i>Atypical Lymphocytes</i>		1		<i>Poikilocytosis</i>	42	6	1
<i>Others</i>	2			<i>Ovalocytes</i>	48	3	
				<i>Target Cells</i>	20	3	
				<i>Akanthocytes</i>	14	2	
<i>Anisocytosis</i>	110	29	1	<i>Echinocytes</i>	34	12	
<i>Megakaryocyte Nucleaus</i>	15	1		<i>Sickle Cells</i>	2		
<i>Granulation</i>	22	4		<i>Fragmentocytes</i>	8	1	
<i>Others</i>				<i>Spherocytes</i>	4		
				<i>Stomatocytes</i>	7		
				<i>Basophilic Stripping</i>	3	1	
				<i>Howell-Jolly Bodies</i>	3		
				<i>Pappenheim Bodies</i>			
				<i>Others</i>	1	1	

Commentary

Smear H3-A is from a patient with a rheumatic disease

1.8 Qualab Codes

Summary of the participant codes
(Bold printed: expected codes)

Code	Text	Number
29	Normal findings	218
1	Neutrophils, hypersegmentation of nucleus	65
13	Macrocytes	44
30	Pathologic findings, refer to expert	43
31	Pathologic findings	36
4	Neutrophils, Toxic Changes	25
5	Atypical lymphocytes, probably reactive	21
16	Poikilocytosis	21
9	Macrothrombocytes	20
27	Erythrocytes, other	18
2	Neutrophils, left shift	16
12	Microcytes	15
17	Elliptocytes/Ovalocytes	15
22	Rouleaux	14
10	Thrombocyte aggregates	11
14	Hypochromic Erythrocytes	10
15	Polychromatophilic Red Cells	10
11	Thrombocytes, others	9
19	Targetcells	7
8	Leucocytes other:	6
20	Fragmentocytes	4
25	Basophilic strippling	4
26	Teardrops	4
18	Stomatocytes	3
6	Atypical lymphocytes, probably neoplastic	2
21	Spherocytes	2
3	Pelger Hüet Anomaly	1
7	Auer rods	1
99	Total	315

2 Sample B

2.1 ABX Micros

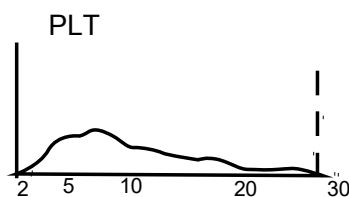
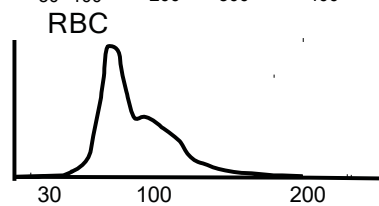
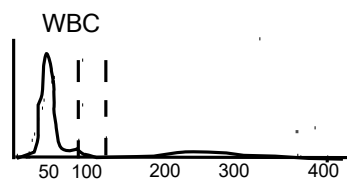


Findings MQ 2016-3 H3B

66 year old man

WBC :	47.0	H	10 ⁹ /L	MCV :	92.6	fL
RBC :	2.84	L	10 ¹² /L	MCH :	27.8	H pg
HGB :	108	L	g/L	MCHC:	408	H g/L
HCT :	263	L	L/L	RDW :	13.5	%
PLT :	161		10 ⁹ /L	MPV :	9.6	fL
PCT :	155		10 ⁻² L/L	PDW :	17.0	%

DIFF:						
%LYM:	75.1	H	%	#LYM:	35.3	H 10 ⁹ /L
%MON:	4.2		%	#MON:	1.9	H 10 ⁹ /L
%GRA:	20.7	L	%	#GRA:	9.6	H 10 ⁹ /L



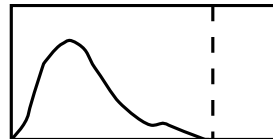
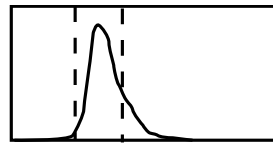
2.2 Mythic



Findings MQ 2016-3 H3B

66 year old man

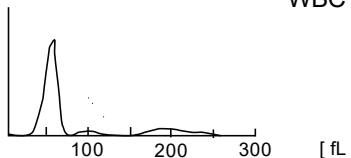
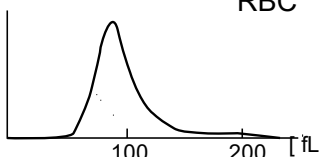
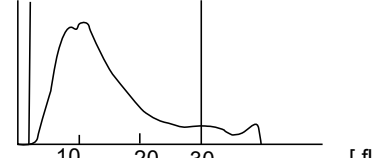
WBC	45.1	H	10 ⁹ /l	3.5	/	10.0
LYM	36.5	H	10 ⁹ /l	1.2	/	3.2
MON	1.4	H	10 ⁹ /l	0.1	/	1.0
GRA	7.2	H	10 ⁹ /l	1.2	/	6.8
LYM%	80.9	H	%	17.0	/	48.0
MON%	3.1		%	2.0	/	10.0
GRA%	16.0	L	%	43.0	/	76.0
RBC	3.70	I	10 ¹² /l	4.00	/	5.70
HGB	109	I	g/l	140	/	180
HCT	0.326	I	l/l	0.420	/	0.540
MCV	88.1		fl	80.0	/	100.0
MCH	29.5		pg	26.0	/	34.0
MCHC	334		g/l	310	/	365
RDW	14.4		%	10.0	/	16.0
PLT	173		10 ⁹ /l	150	/	400
MPV	10.4		fl	7.0	/	11.0
PCT	0.180		cl/l	0.100	/	0.500
PDW	17.6		%	10.0	/	18.0



2.3 Sysmex XP300



Findings MQ 2016-3 H3B 66 year old man

WBC	+ 48.6	$10^3/\mu\text{L}$	<div style="text-align: right; margin-bottom: 10px;">WBC</div>  <div style="text-align: right; margin-bottom: 10px;">RBC</div>  <div style="text-align: right; margin-bottom: 10px;">PLT</div> 
RBC	-3.81	$10^6/\mu\text{L}$	
HGB	-10.6	g/dL	
HCT	-34.7	%	
MCV	91.1	fL	
MCH	27.8	pg	
MCHC	-30.5	g/dL	
PLT	231	$10^3/\mu\text{L}$	
LYM%	+76.6	%	
MXD%	-	%	
NEUT%	-	%	
LYM#	+37.2	$10^3/\mu\text{L}$	
MXD#T2	-	$10^3/\mu\text{L}$	
NEUT#T2	-	$10^3/\mu\text{L}$	
RDW_SD	+ 46.1	fL	
RDW_CV	13.5	%	
PDW	+20.1	fL	
MPV	+42.3	fL	
P_LCR	0.29	%	
PCT	0.29	%	

2.4 Sysmex XE-5000

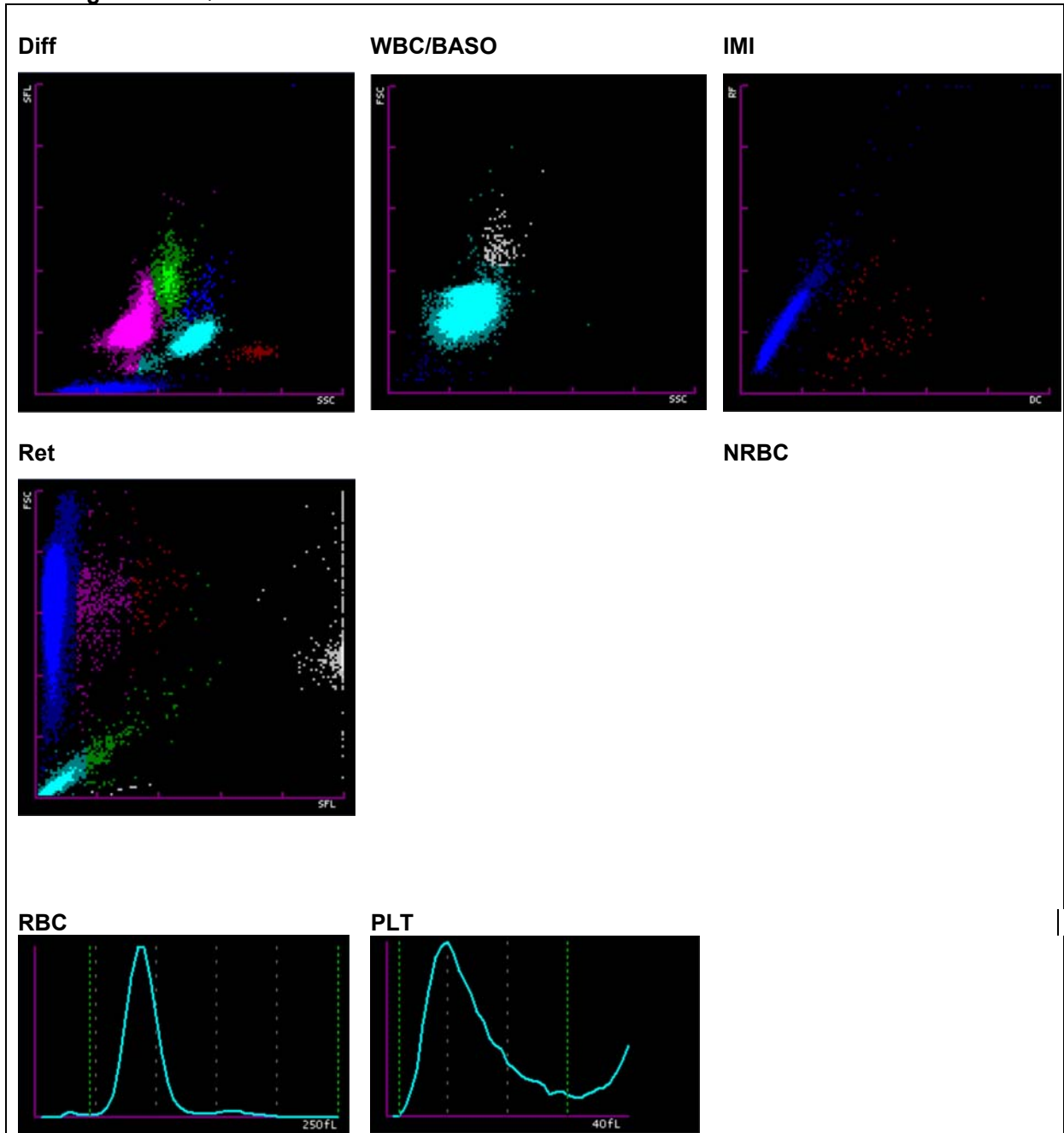


Findings HAD MQ 2016-3 H3B

66 year old man

Analysis	Result	Unit	Reference value
Blood Count			
Hemoglobin	111	g/l	<u>134-170</u>
Hematocrit	0.369	l/l	<u>0.400-0.500</u>
Erythrocytes	3.99	T/l	<u>4.2-5.7</u>
MCV	92.5	fl	80-100
MCH	27.8	pg	26-34
MCHC	* 301	g/l	310-360
Mikrocytes	14.0	%	11.0-14.8
Thrombocytes	228	G/l	143-400
Leucocytes	* 54.00	G/l	3.0-9.6
Leucocyte Differentiation			
Neutrophils	* 8.23	G/l	1.40-8.00
Monocytes	* 1.70	G/l	0.16-0.95
Eosinophils	0.14	G/l	0.00-0.70
Basophils	0.10	G/l	0.00-0.15
Lymphocytes	* 43.83	G/l	1.50-4.00
IG abs.	* 0.19	G/l	0.00-0.03
IG %	0.4	%	0.0-0.5
NRBC abs.	0.00	G/l	
NRBC	0.0	/100 Lc	

Findings HAD MQ 2016-3 H3B

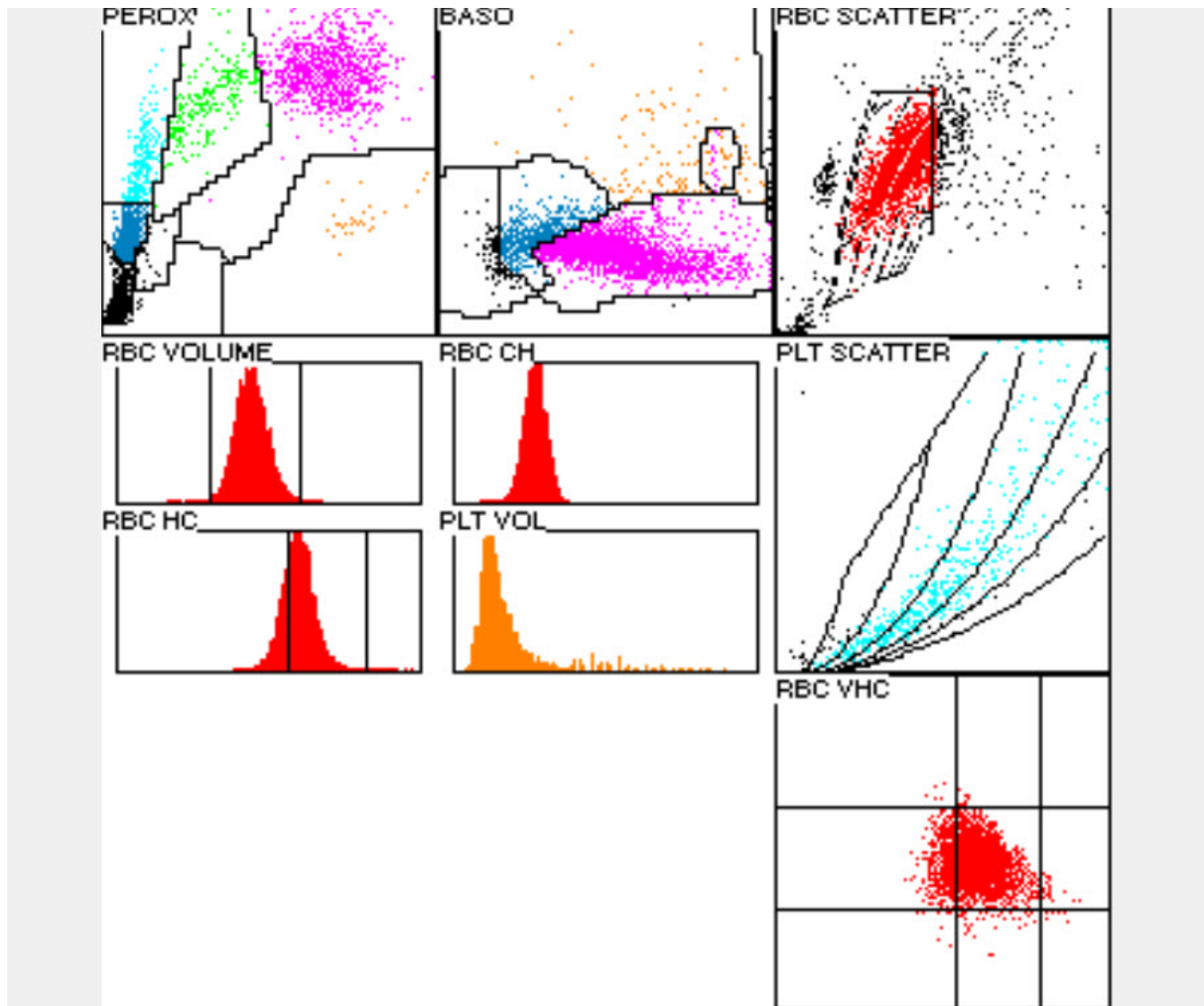


2.5 ADVIA 2120



Findings HAD MQ 2016-3 H3B 66 year old man

Analysis		Result	Unit	Reference value
Blood Count				
Hemoglobin	*	111	g/l	134-170
Hematocrit	*	0.349	l/l	0.400-0.500
Erythrocytes	*	3.94	T/l	4.2-5.7
MCV		88.5	fl	80-100
MCH		28.2	pg	26-34
MCHC		319	g/l	310-360
Mikrocytes		0.4	%	0-2.0
Makrocytes		0.2	%	0-2.0
Hypochromic Ec	*	23.4	%	0-2.0
Hyerchromic Ec		0.1	%	0-2.0
RDW		12.1	%	11.0-0-14.8
Thrombocytes		234	G/l	143-400
Vd. L-SHIFT		0	+	none (0)
Leukocytes	*	50.69	G/l	3.0-9.6
Leucocytes Differentiation				
Neutrophils	*	8.66	G/l	1.40-8.00
Monocytes	*	1.21	G/l	0.16-0.95
Eosinophils		0.15	G/l	0.00-0.70
Basophils	*	0.49	G/l	0.00-0.15
Lymphocytes	*	38.04	G/l	1.50-4.00
LUC	*	4.2	%	0.0-4.0



2.6 Differential Blood Smear

Findings HAD MQ 2016-3 H3B

66 year old man

Analysis	Result	Unit	Reference value
Leucocytes Differentiation			
Neutrophils total	8.66	G/l	1.40-8.00
Monocytes	1.21	G/l	0.16-0.95
Eosinophils	0.15	G/l	0.00-0.70
Basophils	0.49	G/l	0.00-0.15
Lymphocytes	38.04	G/l	1.50-4.00
Neutrophils total	15.0	%	40.0-74.0
Neutrophils Band	4.0	%	0.0-20.0
Neutrophils Segmented	11.0	%	30.0-50.0
Monocytes	2.0	%	3.4-9.0
Eosinophils	0.0	%	0.0-7.0
Basophils	0.0	%	0.0-1.5
Lymphocytes	83.0	%	19.0-48.0
Plasmacells	0.0	%	0-0.5
Blasts	0.0	%	0
Promyelocytes	0.0	%	0
Myelocytes	0.0	%	0
Metamyelocytes	0.0	%	0
Nucleated Red Cells	0.0	/100 Lc	

Commentary

Pronounced absolute lymphocytosis; the lymphocytes are atypical, probably neoplastic, mostly small to rarely medium large forms, the nuclei are usually around, the chromatin structure is dense and clumpy up to marbled. The cytoplasm margin is narrow and dark basophilic. Of the 83% lymphocytes, 10% are damaged cells.

Neutrophil granulocytes with fine cytoplasmic granulation.

The red blood picture shows anemia, it is slightly hypochromic and anisocytic, minor poikilocytosis with rare ovalocytes and acanthocytes. There are no erythrocytic inclusions.

The platelets show clear anisocytosis, in microscopy rare giant forms.

K. Schreiber / PD. Dr. St. Balabanov

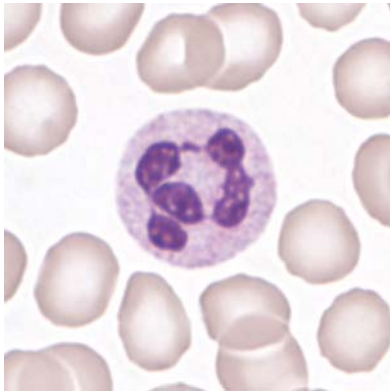


Abb 1. Neutrophil (Seg)

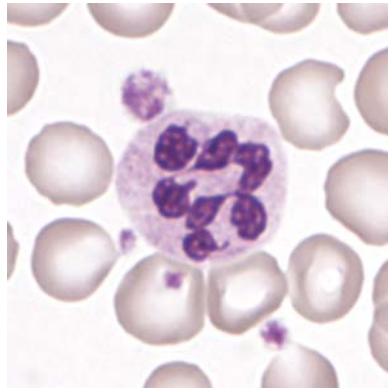


Abb 2. Neutrophil (hyperseg)

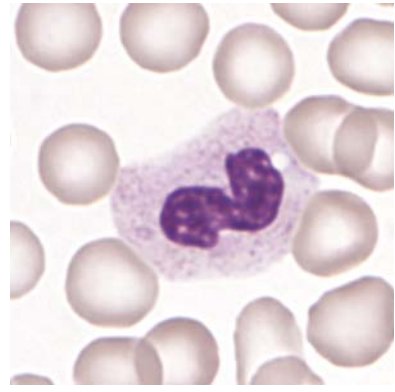


Abb 3. Neutrophil (Band)



Abb 4. Eosinophile

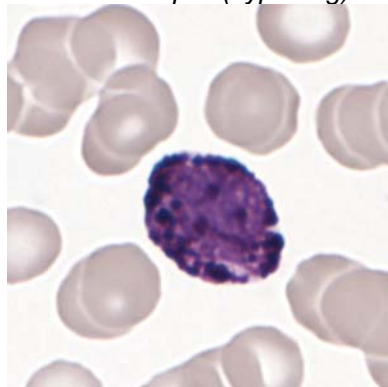


Abb 5. Basophile

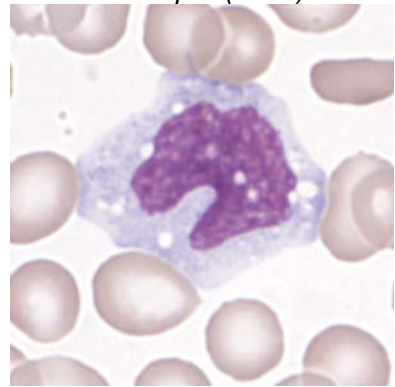


Abb 6. Monocyte



Abb 7. Lymphocyte



Abb 8. Lymphocyte



Abb 9. Damaged Cell

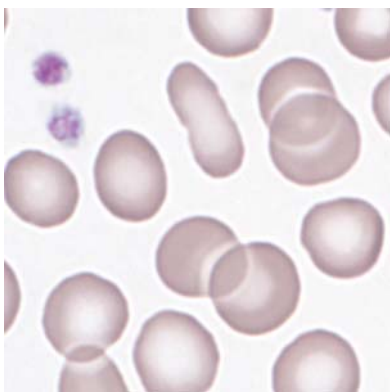


Abb 10. Ovalocyte

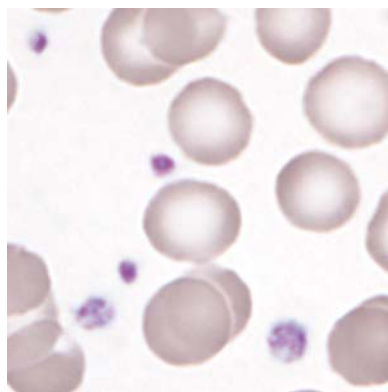


Abb 11. Thrombocytes

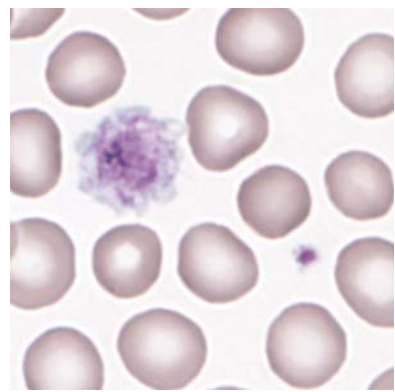


Abb 12. Giant Thrombocyte

2.7 Summary of participant results

Leukocyte Differential H3-B

	<1	1-4	5-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	>79
<i>Neutrophils Band</i>	106	190*	17	5	1						
<i>Neutrophils Segmented.</i>	2	4	45	260*	8						
<i>Eosinophils</i>	248*	68	2		1						
<i>Basophile</i>	286*	33									
<i>Monocytes</i>	71	235*	10	2						1	
<i>Lymphocytes</i>		2			1	1	3	3	63	119*	127
<i>Plasmacells</i>	312*	6	1								
<i>Blasts</i>	302*	13	3				1				
<i>Promyelocytes</i>	311*	4	2		1	1					
<i>Myelocytes</i>	304*	14	1								
<i>Metamyelozyten</i>	310*	8			1						
<i>Erythrocytes Nucleated</i>	318*	1									
<i>Unknown</i>	310*	7	1							1	
<i>Smudge cells</i>	136	24	46	78*	34	1					

Beurteilung H3-B

	<i>light</i>	<i>medium</i>	<i>strong</i>		<i>light</i>	<i>medium</i>	<i>strong</i>
<i>Hypersegmentation</i>	13	3	1	<i>Hypochromic Ec</i>	108*	57	6
<i>Pelger-Hüet Anomaly</i>	1			<i>Polychromatic Ec</i>	70	9	1
<i>Coarse Granulation</i>	32	7	2	<i>Anisocytes</i>	161*	43	2
<i>Basophilic Stripling</i>	4	2	1	<i>Mikrocytes</i>	81*	10	2
<i>Vacuoles</i>	13	2	1	<i>Makrocytes</i>	45*	5	
<i>Atypical Lymph, reactive</i>	17	4	6	<i>Megalocytes</i>	4		
<i>Atypical Lymph, neoplastic</i>	6	6	18*	<i>Poikilocytosis</i>	74*	7	
<i>Others</i>	13	18	33	<i>Ovalocytes</i>	64*	4	
				<i>Target Cells</i>	14		
				<i>Akanthocytes</i>	32*	4	1
<i>Anisocytosis</i>	92	70*	6	<i>Echinocytes</i>	30	3	
<i>Megakaryocyte Nucleaus</i>	22		3	<i>Sickle Cells</i>	1	1	
<i>Granulation</i>	18	10		<i>Fragmentocytes</i>	17	2	
<i>Others</i>				<i>Spherocytes</i>	9	2	
				<i>Stomatocytes</i>	11		
				<i>Basophilic Stripling</i>	1	1	
				<i>Howell-Jolly Bodies</i>	1	2	
				<i>Pappenheim Bodies</i>			
				<i>Others</i>	3		

Commentary

Smear H3-B is from a patient with chronic lymphatic leukemia (CLL)

2.8 Qualab Codes

Summary of the participant codes
(Bold printed: expected codes)

Code	Text	Number
	30 Pathologic findings, refer to expert	223
	6 Atypical lymphocytes, probably neoplastic	108
	14 Hypochromic Erythrocytes	90
	31 Pathologic findings	79
	8 Leucocytes other:	63
	9 Macrothrombocytes	57
	12 Microcytes	38
	15 Polychromatophilic Red Cells	31
	16 Poikilocytosis	28
	5 Atypical lymphocytes, probably reactive	26
	13 Macrocytes	18
	22 Rouleaux	18
	17 Elliptocytes/Ovalocytes	17
	27 Erythrocytes, other	14
	11 Thrombocytes, others	12
	1 Neutrophils, hypersegmentation of nucleus	6
	4 Neutrophils, Toxic Changes	4
	19 Targetcells	4
	20 Fragmentocytes	4
	2 Neutrophils, left shift	3
	21 Spherocytes	3
	29 Normal findings	3
	3 Pelger Hüet Anomaly	2
	10 Thrombocyte aggregates	2
	18 Stomatocytes	2
	24 Howell-Jolly bodies	2
	7 Auer rods	1
	23 Erythrocytes agglutination	1
	25 Basophilic strippling	1
99		315