

***Hodnocení patologických  
krevních obrazů  
a nátěrů periferní krve***

**Bourková L., OKH FN Brno**

DOB:  
Sex:  
Doctor:  
User Defined A:  
User Defined B:  
User Defined C:  
User Defined D:

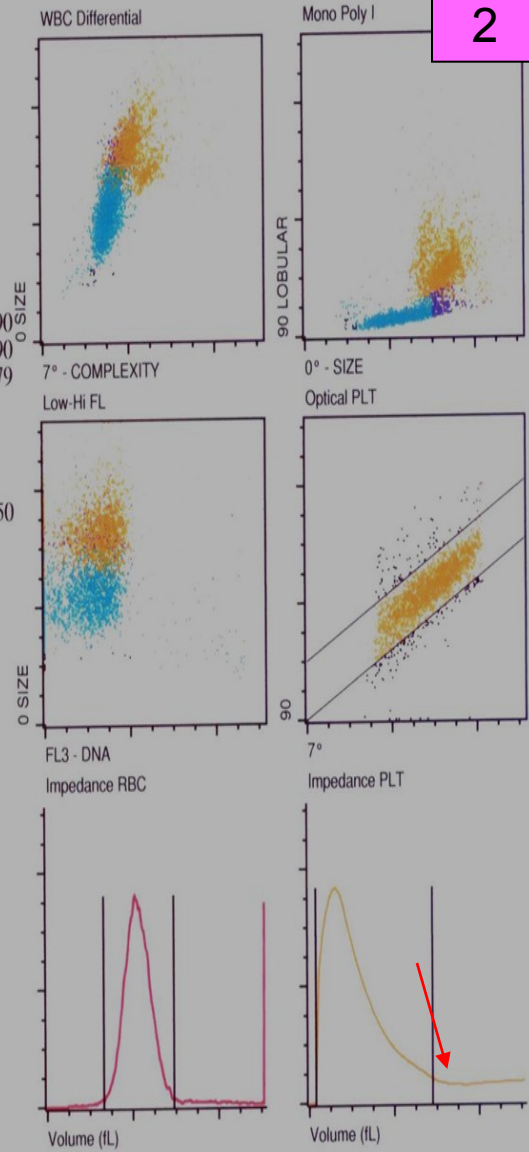
X-B	WBC	RBC	PLT	RET
WBC	273.3*	10e9/L	WVF	.979*
SEG	114.*		%S	41.9*
BAND	1.32*		%BD	4.83*
IG	7.74*		%IG	2.84*
BLST	.041*		%BL	.015*
MONe	17.6*		%Me	6.44*
EOS	.206*		%E	.075*
BASO	0.00*		%B	0.00*
LYMe	128.*		%Le	47.0*
VARL	3.49*		%VL	1.28*

\*InvalidData

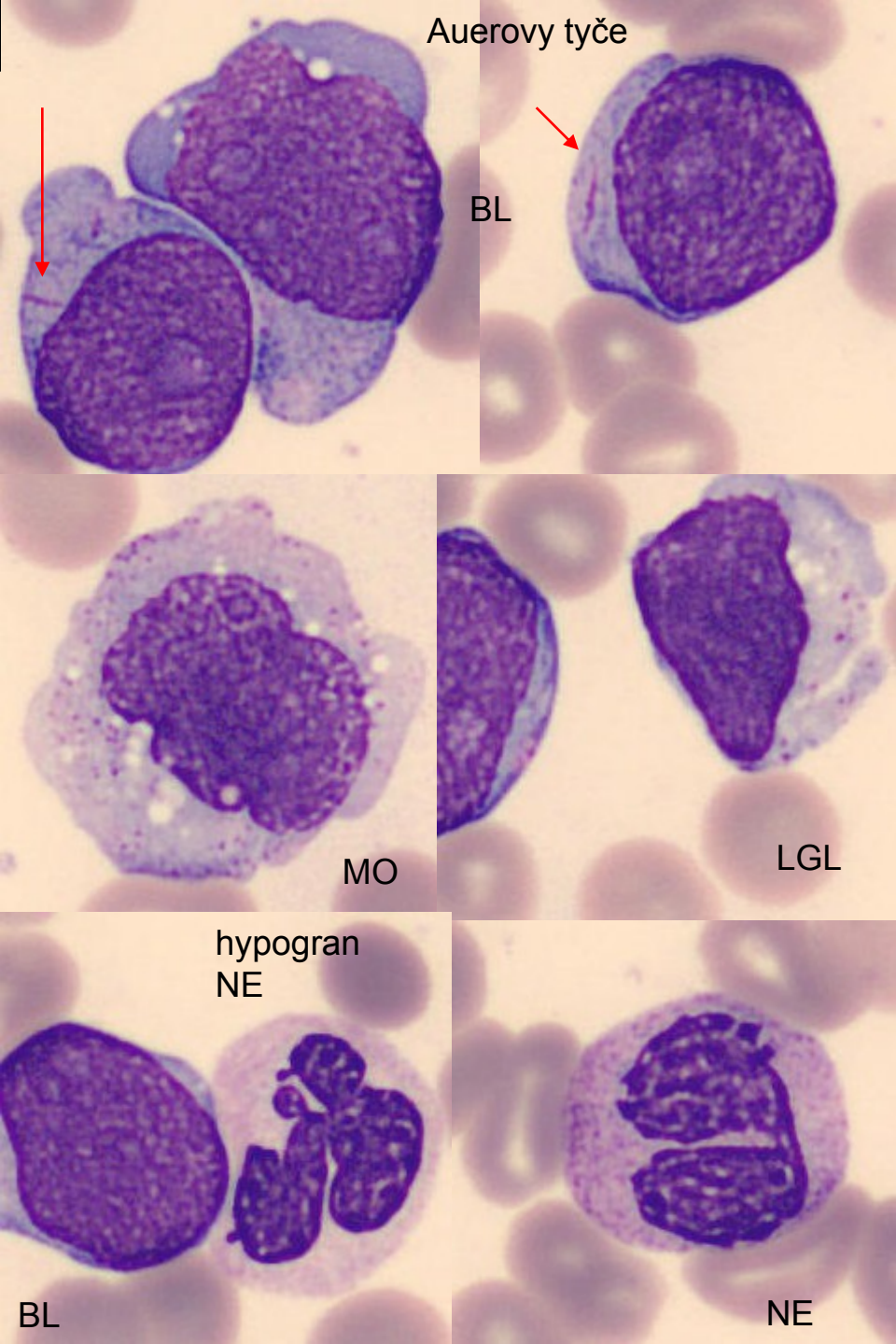
BAND	0.90
IG	0.90
BLAST	0.79
VARLYM	0.50

RBC	3.23*	10e12/L	RBCo	3.32
HGB	92.7	g/L		
HCT	27.2*	L/L		
MCV	84.2*	fL		
MCH	28.7*	pg		
MCHC	341.*	g/L		
RDW	13.9*	%CV		
RET	---	10e9/L	%R	---
IRF	---			
NRBC	0.00*	10e9/L	NRW	0.00*

2



Auerovy tyče



DOB:  
 Sex:  
 Doctor:  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

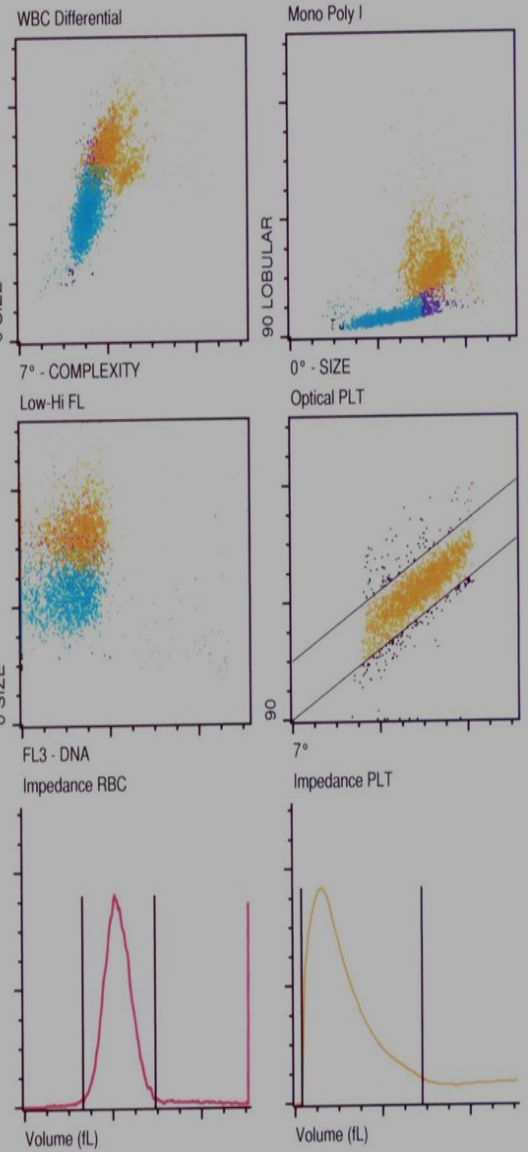
X-B	WBC	RBC	PLT	RETC
-	-	-	-	-
WBC	273.*	10e9/L	WVF	.979*
SEG	114.*	%S	41.9*	
BAND	1.32*	%BD	.483*	BAND 0.90
IG	7.74*	%IG	2.84*	IG 0.90
BLST	.041*	%BL	.015*	BLAST 0.79
MONe	17.6*	%Me	6.44*	
EOS	.206*	%E	.075*	
BASO	0.00*	%B	0.00*	
LYMe	128.*	%Le	47.0*	
VARL	3.49*	%VL	1.28*	VARLYM 0.50

*\*InvalidData*

RBC	3.23*	10e12/L	RBCo	3.32
HGB	92.7	g/L		
HCT	27.2*	L/L		
MCV	84.2*	fL		
MCH	28.7*	pg		
MCHC	341.*	g/L		
RDW	13.9*	%CV		
RETC	----	10e9/L	%R	----
IRF	----			
NRBC	0.00*	10e9/L	NRW	0.00*
PLTo	60.2*	10e9/L	PLTi	89.2*
MPV	8.81*	fL	CD61	----
PDW	26.6*	10(GSD)	PLTs	----
PCT	.530*	mL/L	PLTi	----

Manual Differential		RBC Morphology			
SEG	22	META	2	NORMAL	MICRO
BAND	2	MYELO	1	POLYCH	MACRO
LYMPH	2	PRO		HYPOCH	ANISO
MONO	6	BLAST	65	POIK	BASOSTIP
EOSIN		VAR LYM		TARGET	
BASO		TOXGRAN		SPHERO	NRBC
PLT EST	auto	PLT MORPH			

Comment:  
 DIFF by: \_\_\_\_\_ Date: \_\_\_\_\_



WBC Count Rate Violation  
 RBCi Count Rate Violation  
 Unable to Find Clear Separation Between WBC Subpopulations  
 PIC/POC Delta  
 Outside Reportable Range

# Patient 2

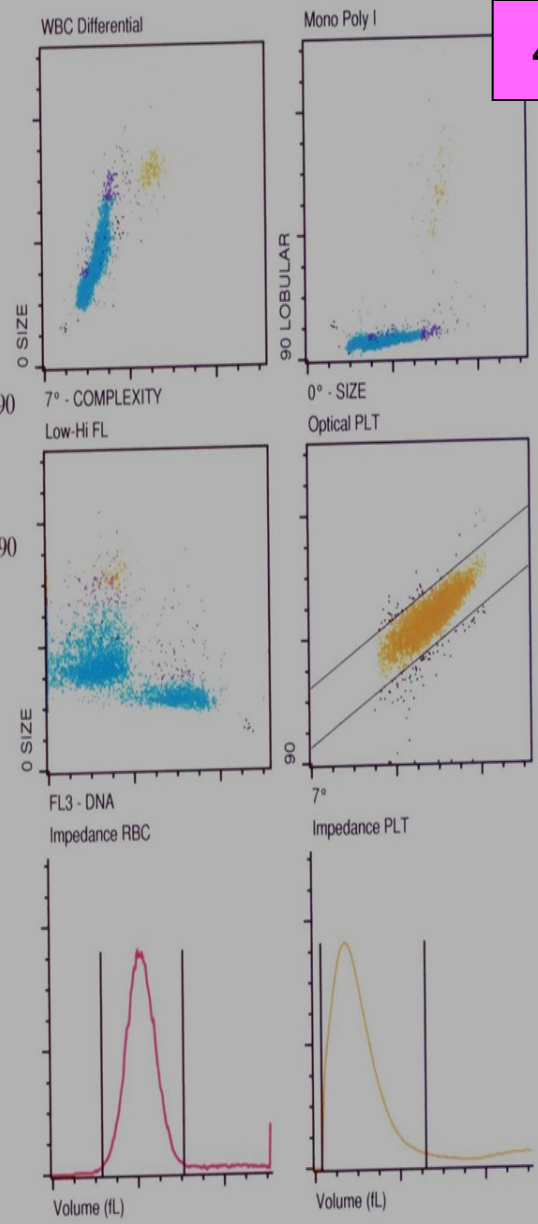
- muž, 73 roků
- diagnóza: zvrát z CML do AML

*Aut. klyc, rozbiti H., hypogranulace, hypersegmentace neu*

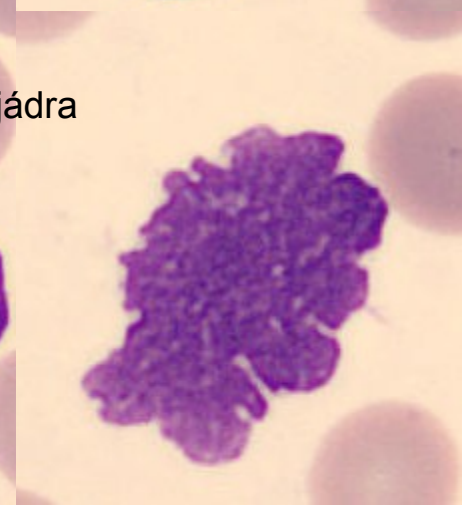
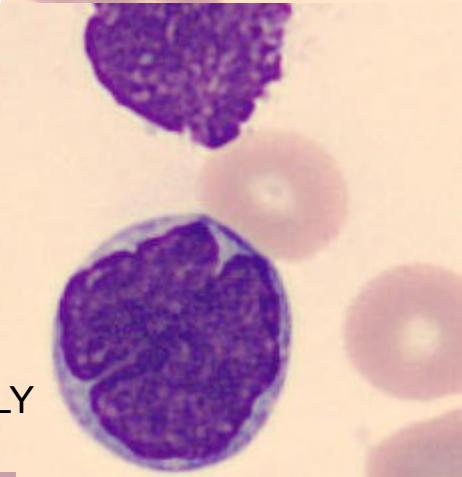
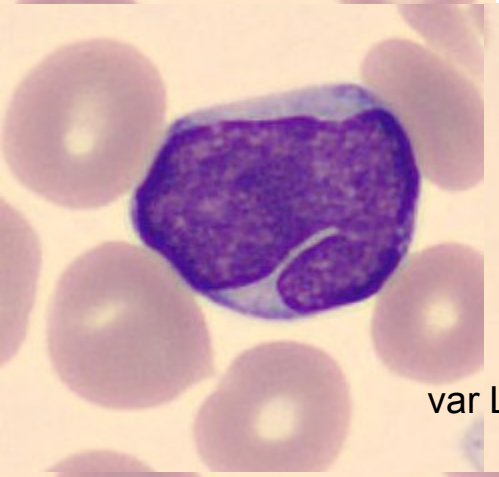
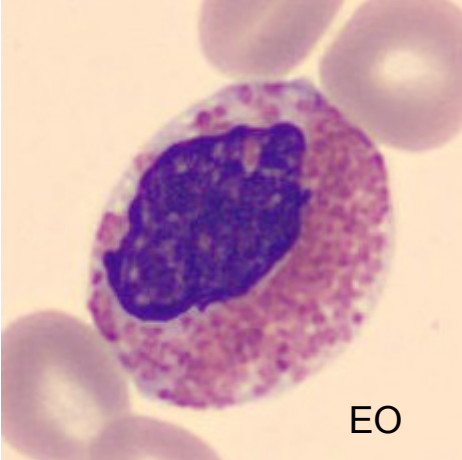
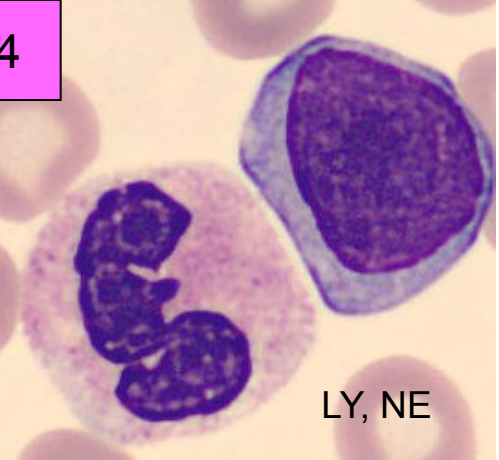
DOB:  
 Sex:  
 Doctor:  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

X-B	WBC	RBC	PLT	RET	RET C
WBC	125.7	↑ 10e9/L	WVF	80.4	↓ nvWBC
SEG	4.76*		%S	3.79*	
BAND	0.00*		%BD	0.00*	
IG	0.00*		%IG	0.00*	
BLST	.019*		%BL	.015*	
MONe	4.41*		%Me	3.52*	
EOS	.245*		%E	.195*	
BASO	.195*		%B	.155*	
LYMe	93.1*		%Le	74.3*	
VARL	22.6*		%VL	18.0*	

RBC	3.82	10e12/L	RBCo	3.86
HGB	108	↓ g/L		
HCT	316	L/L		
MCV	82.7	fL		
MCH	28.4	pg		
MCHC	343.	g/L		
RDW	16.2	%CV		
RET C	36.1	10e9/L	%R	.946
IRF	.189			
NRBC	0.00*	10e9/L	NRW	0.00*
PLT <sub>o</sub>	139	↓ 10e9/L	PLT <sub>i</sub>	140
MPV	7.44	fL	CD61	---
PDW	15.9	10(GSD)	PLT <sub>s</sub>	---
PCT	1.03	mL/L	PLT <sub>i</sub>	---



4



WBC Count Rate Violation

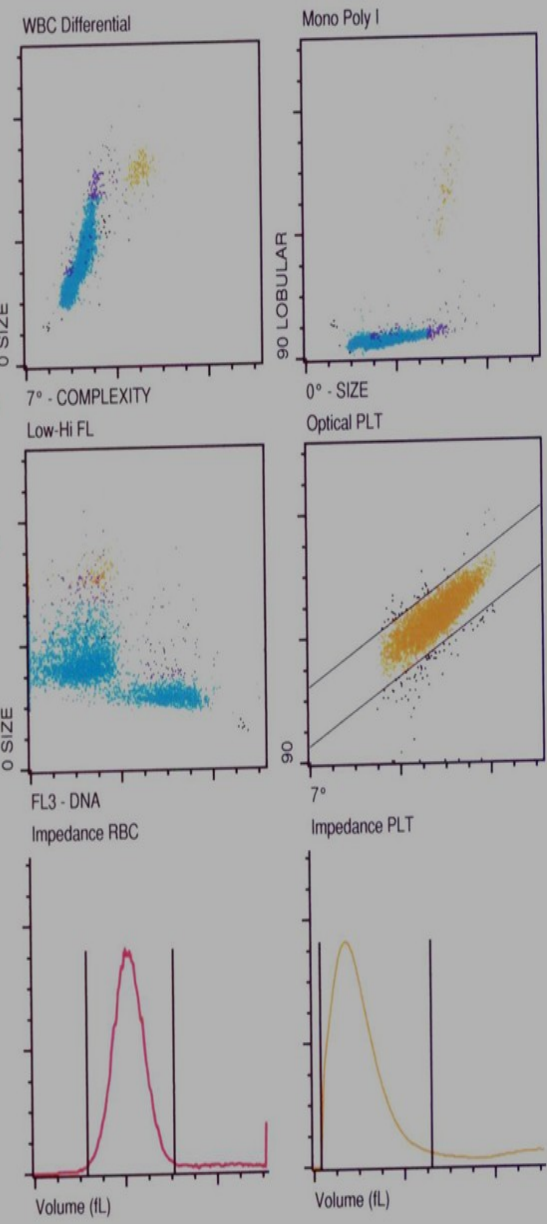
DOB:  
 Sex:  
 Doctor:  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

X-B	WBC	RBC	PLT	RETC	
WBC	125*	10e9/L	WVF	804*	*InvalidData nvWBC
SEG	4.76*		%S	3.79*	
BAND	0.00*		%BD	0.00*	
IG	0.00*		%IG	0.00*	
BLST	.019*		%BL	.015*	BLAST 0.90
MONe	4.41*		%Me	3.52*	
EOS	.245*		%E	.195*	
BASO	.195*		%B	.155*	
LYMe	93.1*		%Le	74.3*	
VARL	22.6*		%VL	18.0*	VARLYM 0.90

RBC	3.82	10e12/L	RBCo	3.86
HGB	108	g/L		
HCT	316	L/L		
MCV	82.7	fL		
MCH	28.4	pg		
MCHC	343	g/L		
RDW	16.2	%CV		
RETC	36.1	10e9/L	%R	.946
IRF	.189			
NRBC	0.00*	10e9/L	NRW	0.00*
PLTo	139	10e9/L	PLTi	140
MPV	7.44	fL	CD61	----
PDW	15.9	10(GSD)	PLTs	----
PCT	1.03	mL/L	PLTI	----

Manual Differential	RBC Morphology		
SEG 8	META	NORMAL	MICRO
BAND	MYELO	POLYCH	MACRO
LYMPH 90	PRO	HYPOCH ✓	ANISO ✓
MONO	BLAST	POIK	BASOSTIP
EOSIN	VAR LYM ✓	TARGET	
BASO	TOXGRAN	SPHERO	NRBC
PLT EST <i>micro</i>	PLT MORPH		

Comment: *holo jadro, Gumprecht. stiny*  
 DIFF by: \_\_\_\_\_ Date: \_\_\_\_\_



# Patient 4

- muž, 82 roků
- diagnóza: CLL

Positive

WBC 12.54 ↑ [10<sup>9</sup>/L]

WBC IP Message(s)

Lymphocytosis  
Monocytosis  
Basophilia

Atypical Lympho?  
Abn Lympho/\_Blasts?

NEUT	1.78 *	[10 <sup>9</sup> /L]	14.2 *	[%]
LYMPH	8.72 *	[10 <sup>9</sup> /L]	69.5 *	[%]
MONO	1.52 *	[10 <sup>9</sup> /L]	12.1 *	[%]
EO	0.07	[10 <sup>9</sup> /L]	0.6	[%]
BASO	0.45 +	[10 <sup>9</sup> /L]	3.6 +	[%]
IG	0.04	[10 <sup>9</sup> /L]	0.3	[%]

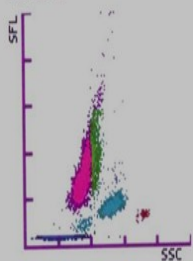
RBC	5.17	[10 <sup>12</sup> /L]		
HGB	150	[g/L]		
HCT	0.433	[Ratio]		
MCV	83.8 -	[fL]		
MCH	29.0	[pg]		
MCHC	346	[g/L]		
RDW-CV	13.3	[%]		

Microcytosis

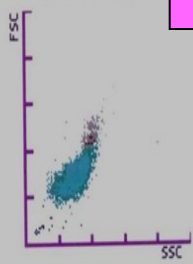
RET		[10 <sup>9</sup> /L]		[%]
IRF		[Ratio]		
RET-He		[pg]		
IPF		[%]		
NRBC	0.00	[10 <sup>9</sup> /L]	0.0	[/100WBC]

PLT	157	[10 <sup>9</sup> /L]		
MPV	11.6 +	[fL]		
PDW	13.5 -	[fL]		
PCT	0.18	[%]		

DIFF

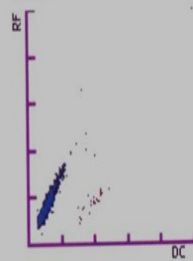


WBC/BASO

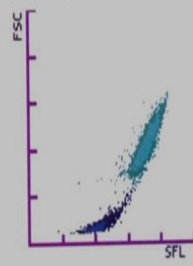


6

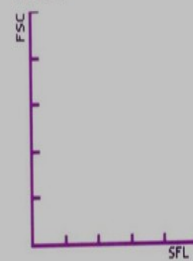
IMI



NRBC



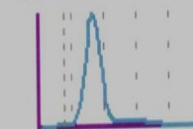
RET



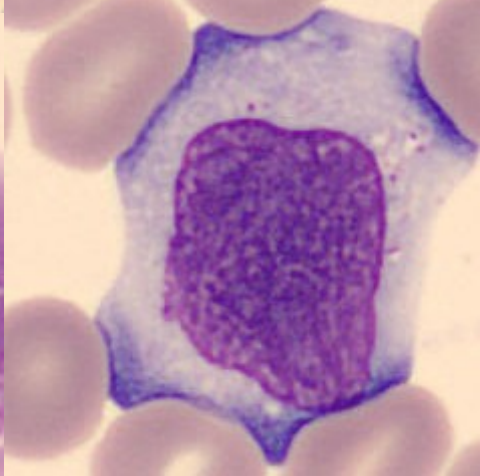
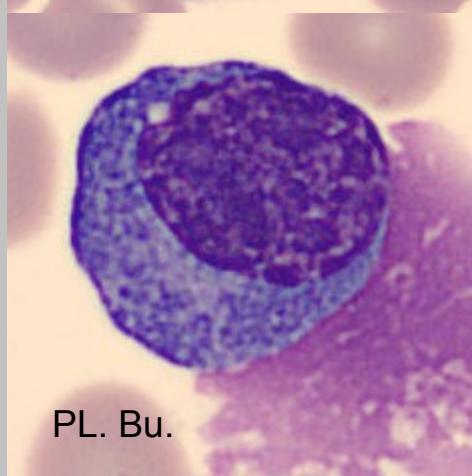
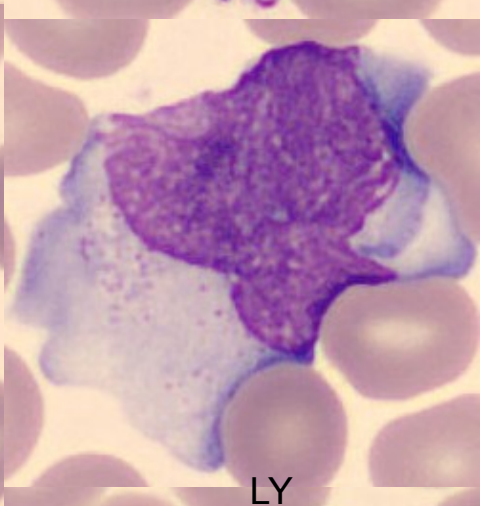
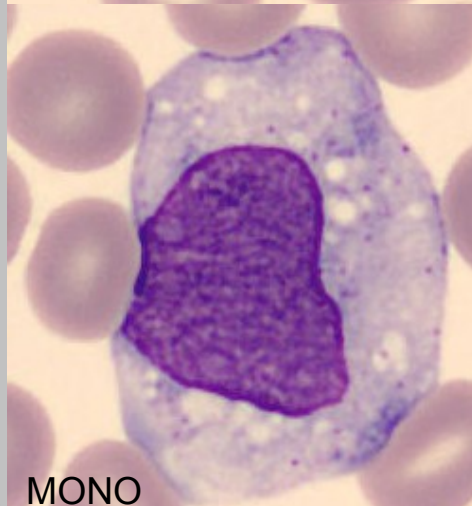
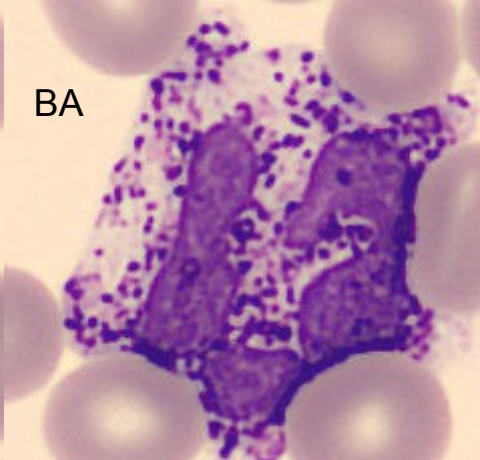
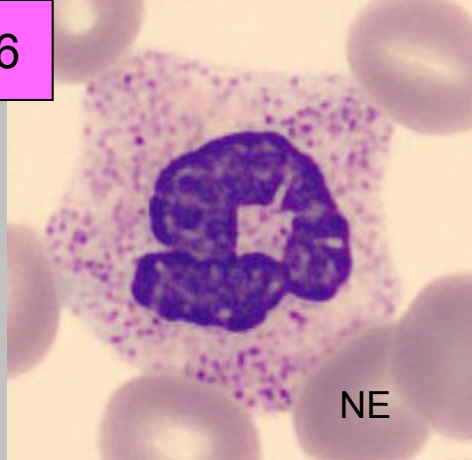
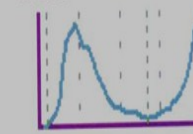
PLT-O



RBC



PLT



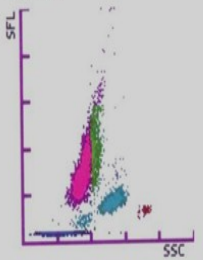
Positive

WBC 12.54 + [10<sup>9</sup>/L]

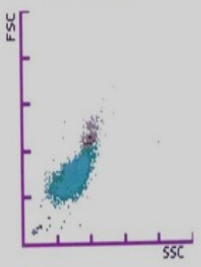
WBC IP Message(s)  
 Lymphocytosis  
 Monocytosis  
 Basophilia

NEUT 1.78 \* [10<sup>9</sup>/L] 14.2 \* [%]  
 LYMPH 8.72 \* [10<sup>9</sup>/L] 69.5 \* [%]  
 MONO 1.52 \* [10<sup>9</sup>/L] 12.1 \* [%]  
 EO 0.07 [10<sup>9</sup>/L] 0.6 [%]  
 BASO 0.45 + [10<sup>9</sup>/L] 3.6 + [%]  
 IG 0.04 [10<sup>9</sup>/L] 0.3 [%]

DIFF



WBC/BASO

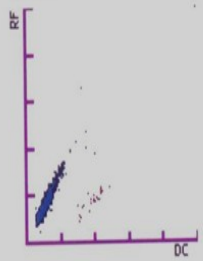


RBC 5.17 [10<sup>12</sup>/L]  
 HGB 150 [g/L]  
 HCT 0.433 [Ratio]  
 MCV 83.8 - [fL]  
 MCH 29.0 [pg]  
 MCHC 346 [g/L]  
 RDW-CV 13.3 [%]

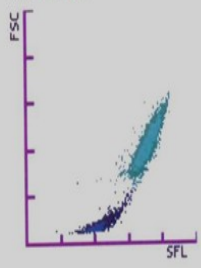
Microcytosis

RET [10<sup>9</sup>/L] [%]  
 IRF [Ratio]  
 RET-He [pg]  
 IPF [%]  
 NRBC 0.00 [10<sup>9</sup>/L] 0.0 [/100WBC]

IMI

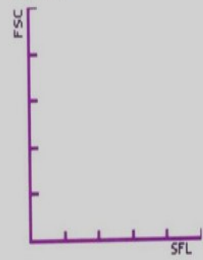


NRBC



PLT 157 [10<sup>9</sup>/L]  
 MPV 11.6 + [fL]  
 PDW 13.5 - [fL]  
 PCT 0.18 [%]

RET



PLT-O

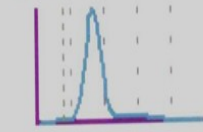


Manual Diff

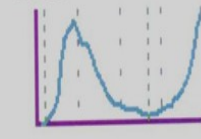
RBC morf.

SEG 12 META \_\_\_\_\_ NORMAL  MICRO \_\_\_\_\_  
 BAND 1 MYELO \_\_\_\_\_ POLYCH \_\_\_\_\_ MAKRO \_\_\_\_\_  
 LYMPH 80 PRO \_\_\_\_\_ HYPOCH \_\_\_\_\_ ANISO \_\_\_\_\_  
 MONO 5 BLAST \_\_\_\_\_ POIK \_\_\_\_\_ BASOtip \_\_\_\_\_  
 EOSIN 1 VARLY  TARGET \_\_\_\_\_  
 BASO 1 TOXgran \_\_\_\_\_ SPHERO \_\_\_\_\_ NRBC \_\_\_\_\_  
 PLT EST \_\_\_\_\_ PLT morf \_\_\_\_\_  
 Comment: reaktivní lympo.  
 DIFF by: \_\_\_\_\_ Date: \_\_\_\_\_

RBC



PLT



# Pacient 6

- muž, 20 roků
- diagnóza: infekční mononukleóza





Sex: F  
 Doctor: 0568/30/04/2010  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

X-B In	WBC In	RBC In	PLT In	RETC In	
WBC	16.5	10e9/L	WVF	.982	
SEG	8.53*		%S	51.7*	
BAND	.299*		%BD	1.81*	BAND 0.58
IG	1.47*		%IG	8.94*	IG 0.73
BLST	1.59		%BL	9.67	BLAST 0.90
MONe	2.79		%Me	16.9	
EOS	.018*		%E	.112*	
BASO	0.00		%B	0.00	
LYMe	1.80		%Le	10.9	FP?
VARL	0.00		%VL	0.00	

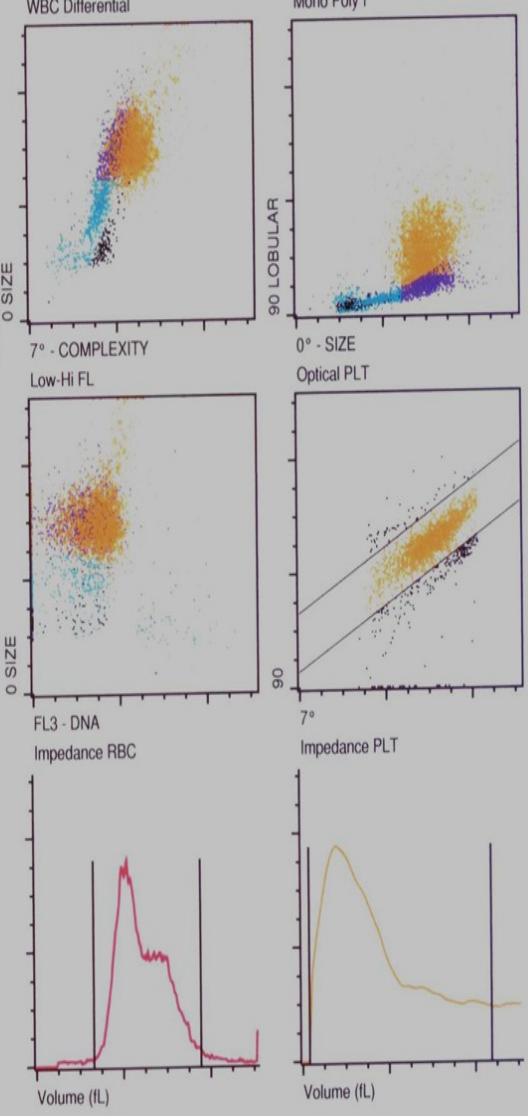
RBC	2.80s	10e12/L	RBCo	2.73
HGB	97.3	g/L		
HCT	27.1s	L/L		
MCV	96.8s	fL		
MCH	34.8s	pg		
MCHC	360.s	g/L		
RDW	21.4s	%CV		
RETC	---	10e9/L	%R	---
IRF	---			
NRBC	0.00s	10e9/L	NRW	0.00s
PLTo	48.3*	10e9/L	PLTi	82.1*
MPV	12.8*	fL	CD61	---
PDW	24.9*	10(GSD)	PLTs	---
PCT	6.21*	mL/L	PLTI	---

ASYM

*schisto  
stříčky*

Manual Differential		RBC Morphology	
SEG	27	META	6
BAND	7	MYELO	25
LYMPH	4	PRO	7
MONO	22	BLAST	---
EOSIN	---	VAR LYM	---
BASO	---	TOXGRAN	---
PLT EST	omit, makro	PLT MORPH	---

Comment:  
 DIFF by: \_\_\_\_\_ Date: \_\_\_\_\_



# Pacient 7

- žena, 58 roků
- diagnóza: AML spojená s dysplázií

*lypogranulad, hypogranulad neu, rakualizace  
 obtížná rozlišení mono x myelo x neu*

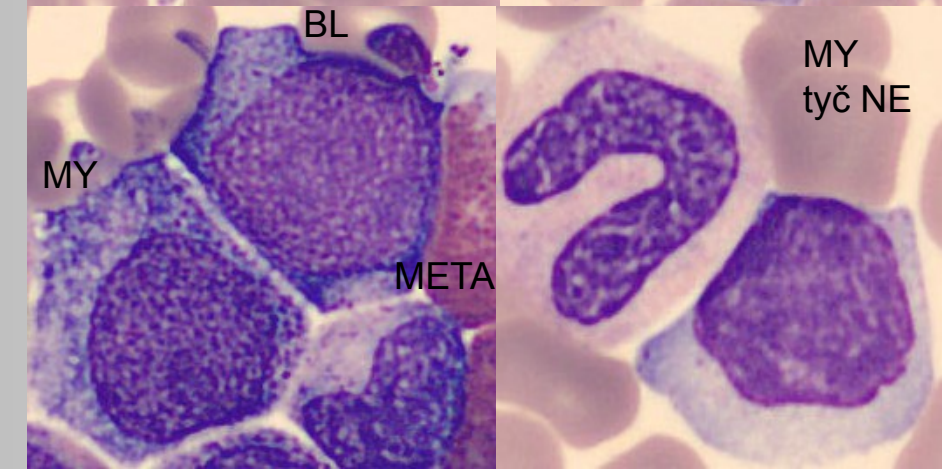
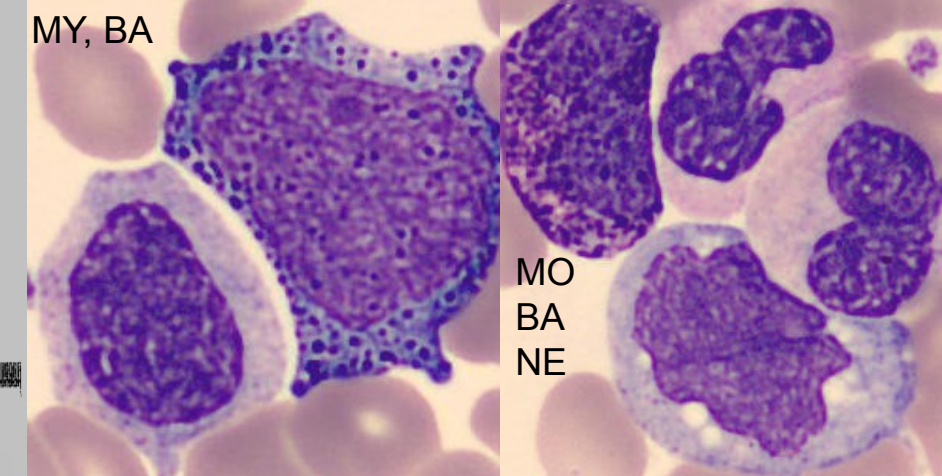
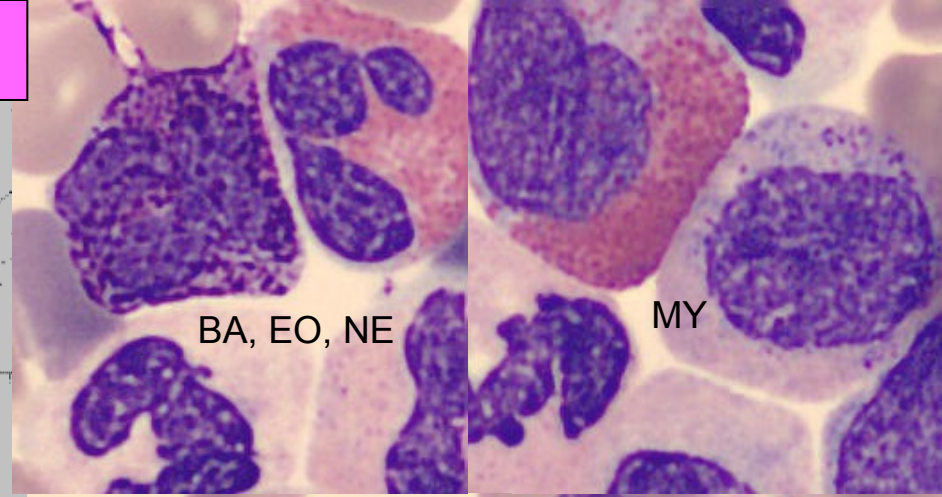
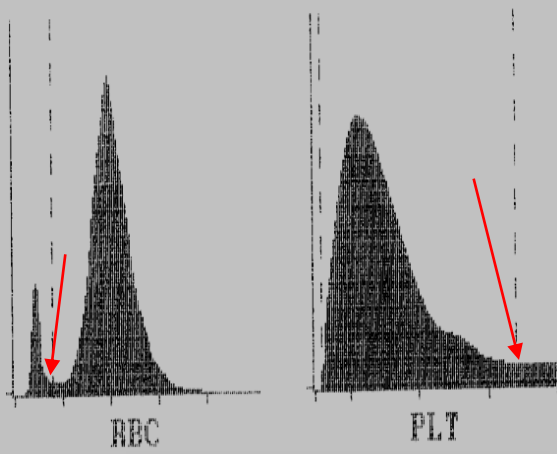
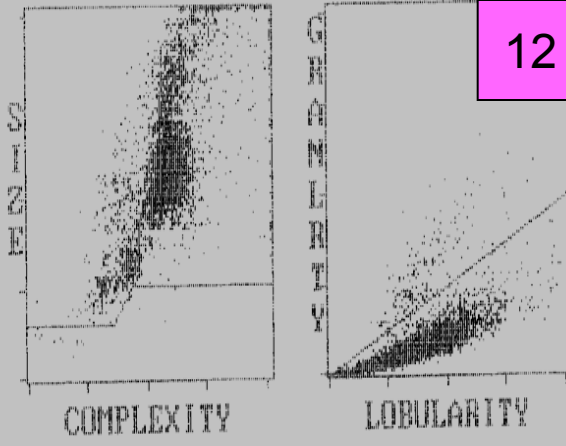
SUSPECT

WBC	402.8	g/L	↑
NEU	333.8	82.9 %N	↑
LYM	14.8	3.69 %L	
MONO	13.0	3.23 %M	
EOS	18.6	4.63 %E	
BAZO	22.3	5.53 %B	↑

IG/BAND

RBC	3.62	T/L
HGB	103.	g/L
HCT	.293	L/L
MCV	80.8	fL
MCH	28.4	pg
MCHC	351.	g/L
RDW	17.3	%CV

PLT	436.	G/L	↑
MPV	8.64	fL	↑



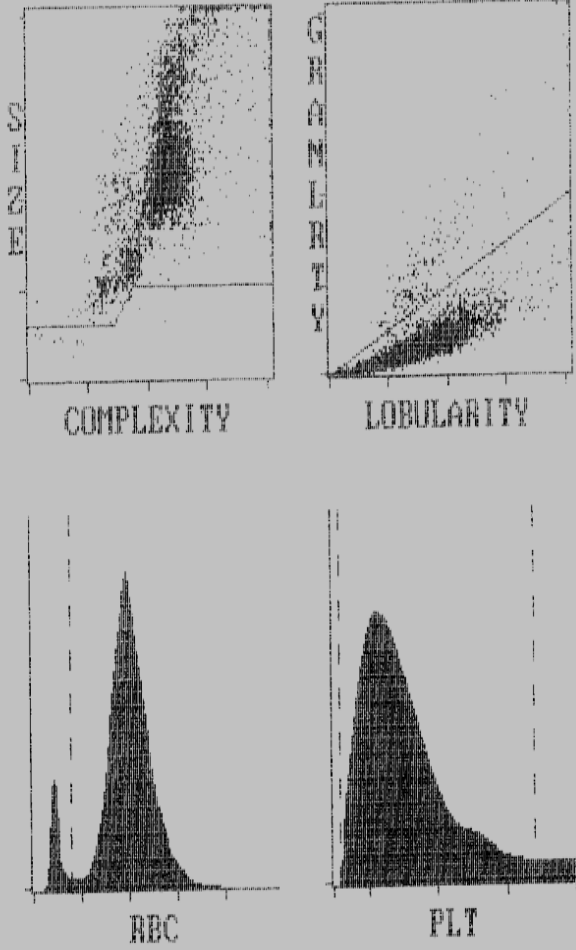
dysplazie  
hypogranulace  
hypersegmentace

SUSPECT

WBC 402. G/L  
 NEU 333. 82.9 %N IG/BAND  
 LYM 14.8 3.69 %L  
 MONO 13.0 3.23 %M  
 EOS 18.6 4.63 %E  
 BASO 22.3 5.53 %B

RBC 3.62 T/L  
 HGB 103. g/L  
 HCT .293 L/L  
 MCV 80.8 fL  
 MCH 28.4 pg  
 MCHC 351. g/L  
 RDW 17.3 %CV

PLT 436. G/L  
 MPV 8.64 fL



MANUAL DIFFERENTIAL		RBC MORPHOLOGY	
NEU 33	META 10	NORMAL	MICRO ✓
BAND 19	MYELO 12	PLYCHRON ✓	MACRO ✓
LYMPH 2	PRO 3	HYPCHRON	ANISO ✓
MONO 2	BLAST 5	POIK	BASOSTIP
EOSIN 6	VAR LYM	TARGET	
BASO 8	TOXGRAN	SPHERO	NRBC 2/100

COMMENT: PLT - aniso, makro  
 DIFF BY \_\_\_\_\_ DATE 01. mali' chluky

# Pacient 12

- žena, 66 roků
- diagnóza: pokročilá chronická fáze CML až k hranici akcelerace

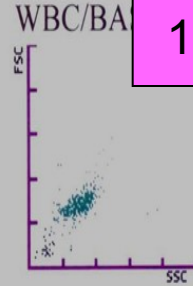
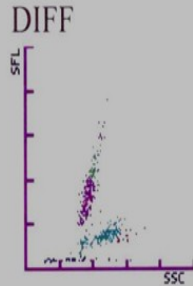
WBC 0.69 ↓ [10<sup>9</sup>/L]

WBC IP Message(s)

15

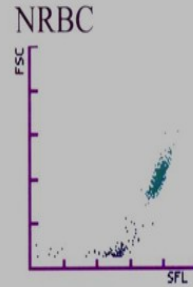
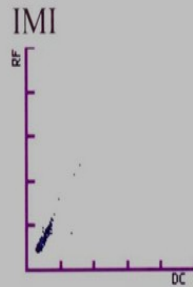
NEUT	0.24 *	[10 <sup>9</sup> /L]	34.9	↓	1%
LYMPH	0.34 *	[10 <sup>9</sup> /L]	49.3	*	1%
MONO	0.07 *	[10 <sup>9</sup> /L]	10.1	*	1%
EO	0.03 *	[10 <sup>9</sup> /L]	4.3	*	1%
BASO	0.01 *	[10 <sup>9</sup> /L]	1.4	*	1%
IG	0.00 *	[10 <sup>9</sup> /L]	0.0	*	1%

Abn Lympho/L\_Blasts



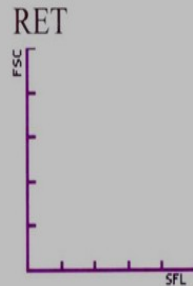
RBC	2.41	↓	[10 <sup>12</sup> /L]
HGB	78	↓	[g/L]
HCT	0.214	↓	[Ratio]
MCV	88.8		[fL]
MCH	32.4		[pg]
MCHC	364		[g/L]
RDW-CV	19.7	↑	[%]

Anisocytosis

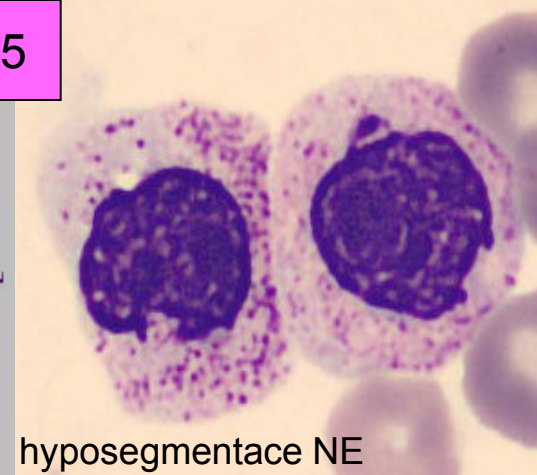
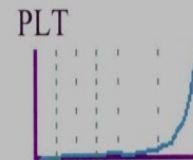
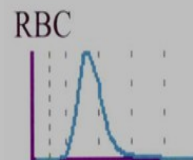


RET		[10 <sup>9</sup> /L]	[%]
IRF		[Ratio]	
RET-He		[pg]	
IPF		[%]	
NRBC	0.00	[10 <sup>9</sup> /L]	0.0 [100WBC]

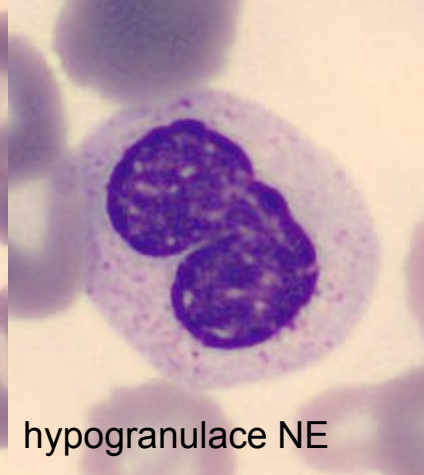
PLT Abn Distribution Thrombocytopenia



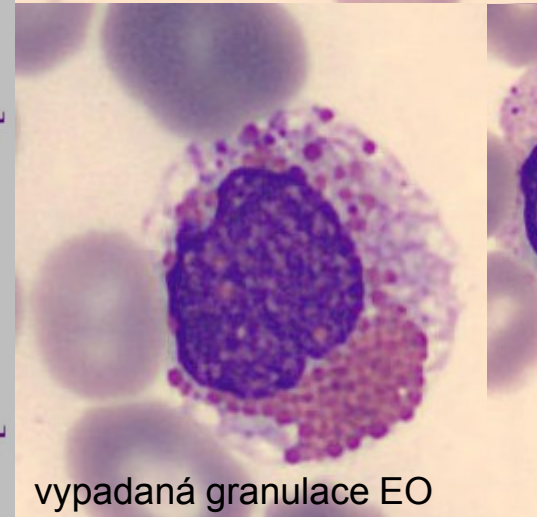
PLT	2	↓	[10 <sup>9</sup> /L]
MPV	----		[fL]
PDW	----		[fL]
PCT	----		[%]



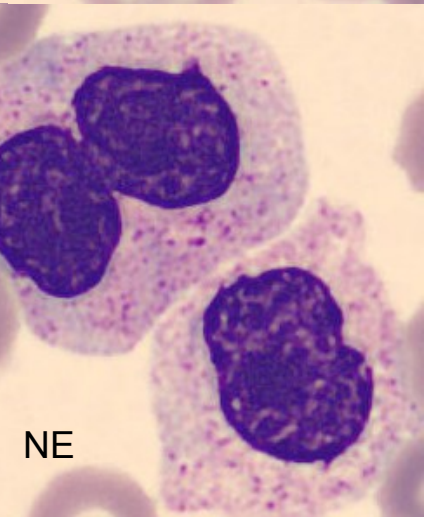
hyposegmentace NE



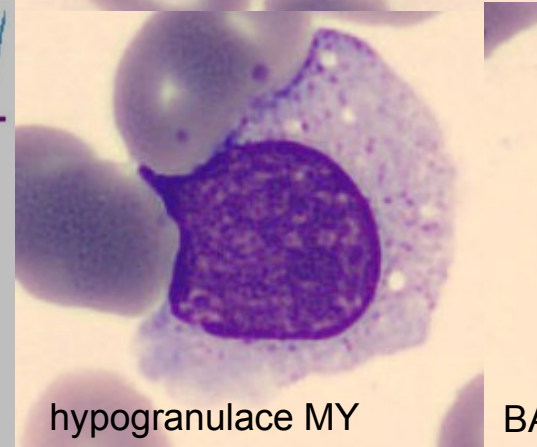
hypogranulace NE



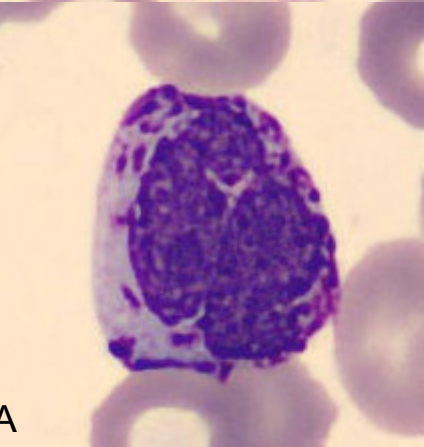
vypadaná granulace EO



NE



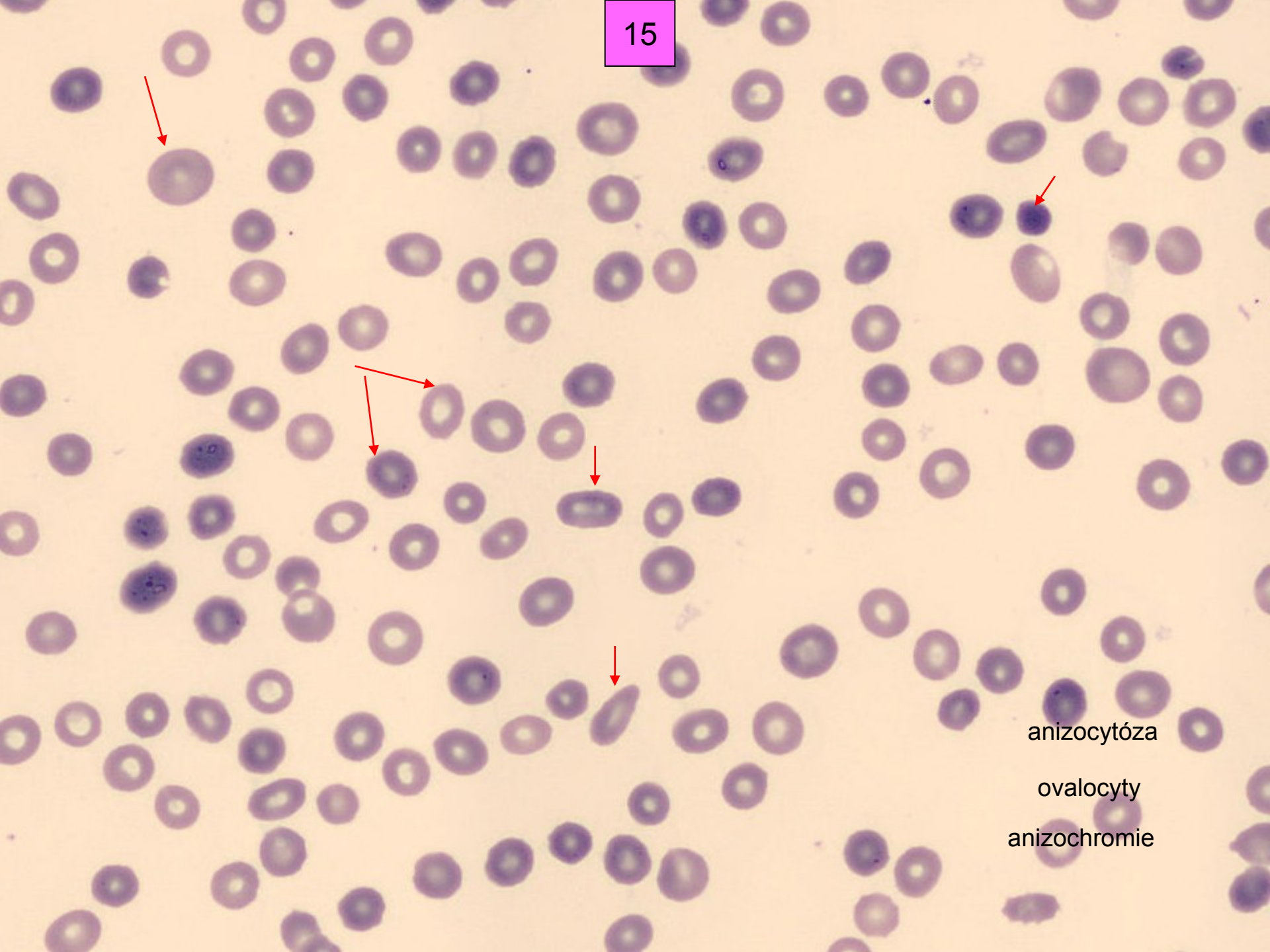
hypogranulace MY



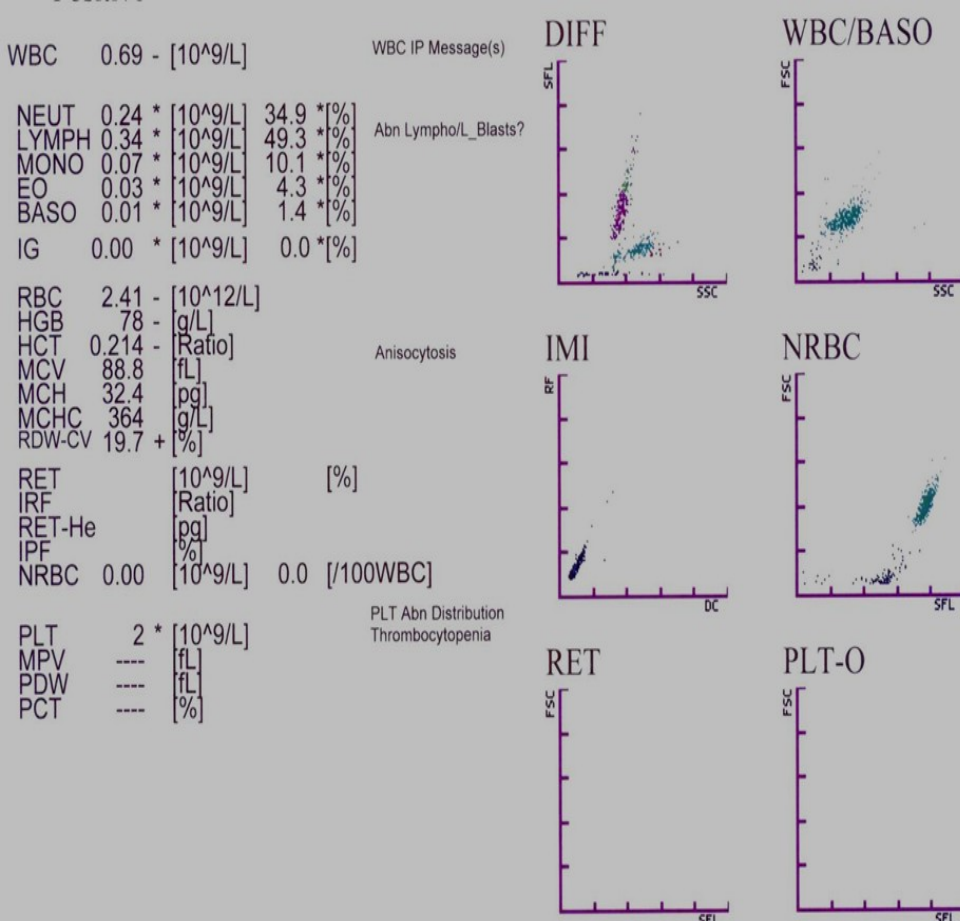
BA



15

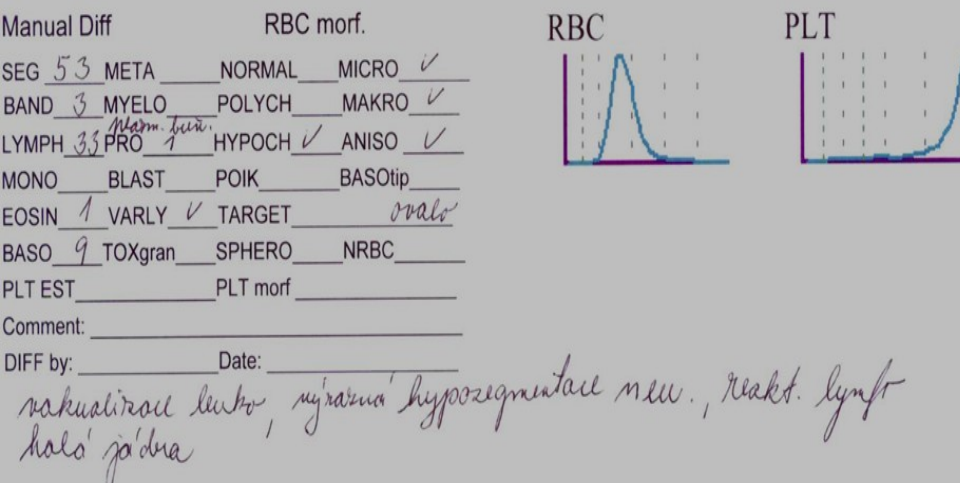


anizocytóza  
ovalocyty  
anizochromie



# Pacient 15

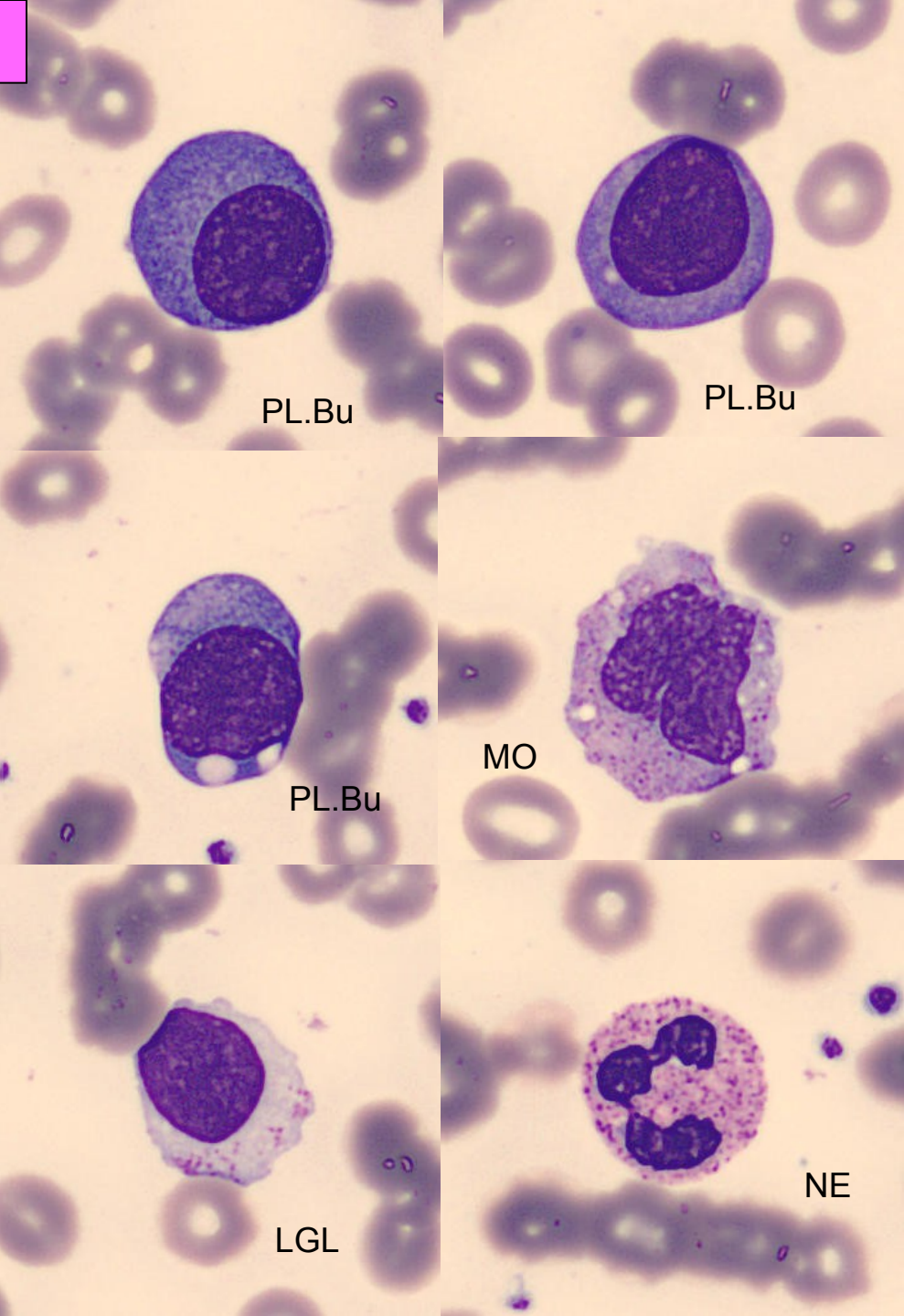
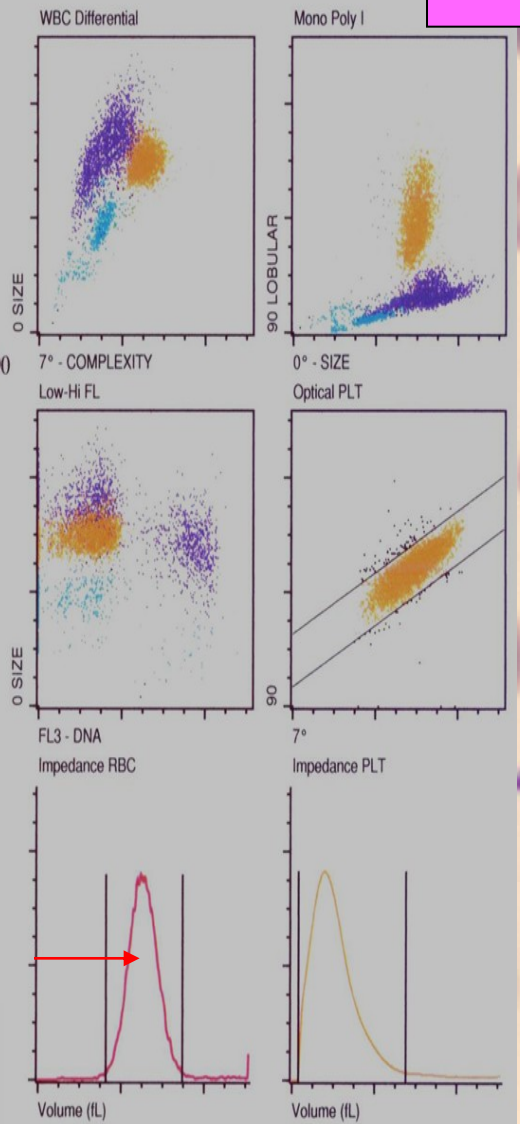
- muž, 52 roků
- diagnóza: AML z MDS po alotransplantaci



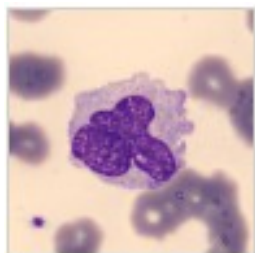
Name: XXXXXXXXXX  
 DOB: 05/12/28  
 Sex: M  
 Doctor: 0734/25/05/2010  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

X-B	WBC	RBC	PLT	RETc	
2 Out	In	In	In	In	
WBC	14.8	↑ 10e9/L	WVf	.847	nvWBC
SEG	7.29		%S	49.7	
BAND	0.00		%BD	0.00	
IG	0.00		%IG	0.00	
BLST	.634		%BL	4.27	BLAST
MONe	5.24		%Me	35.3	
EOS	.087		%E	.590	
BASO	.029		%B	.197	
LYMe	1.55		%Le	10.5	
VARL	0.00		%VL	0.00	

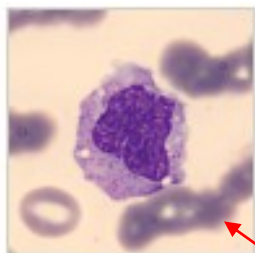
RBC	2.97	↓ 10e12/L	RBCc	2.96
HGB	107	g/L		
HCT	30.0	%		
MCV	101	fl		
MCH	36.0	pg		
MCHC	357	g/L		
RDW	13.3	%CV ✓		
RETc	---	10e9/L	%R	---
IRF	---			
NRBC	0.00	10e9/L	NR/W	0.00
PLTo	197	10e9/L	PLTi	213
MPV	7.08	fl	CD61	---
PDW	15.5	10(GSD)	PLTs	---
PCT	1.40	mL/L	PLTI	---



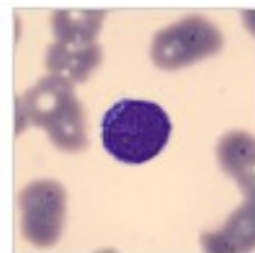
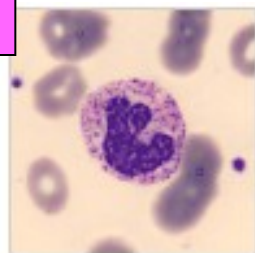
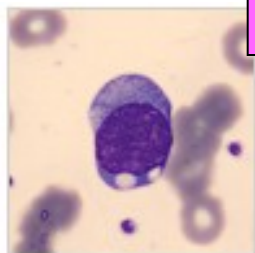




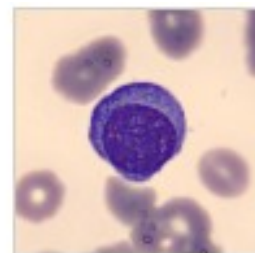
A00734P5AB\_049



A00734P5AB\_050

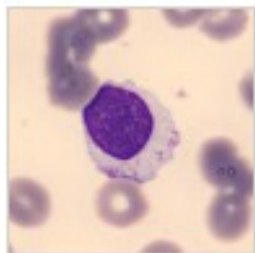


A00734P5AB\_053

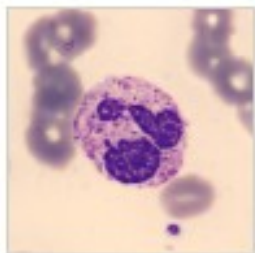


A00734P5AB\_054

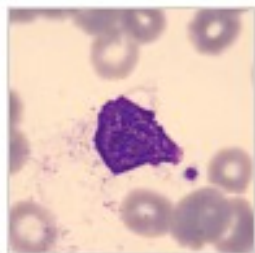
penízkovatění erytrocytů



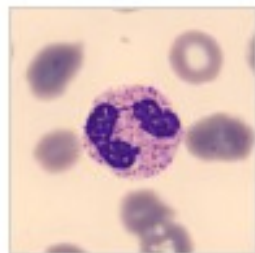
A00734P5AB\_055



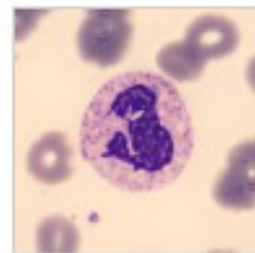
A00734P5AB\_056



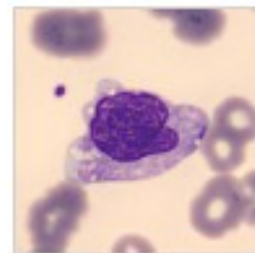
A00734P5AB\_057



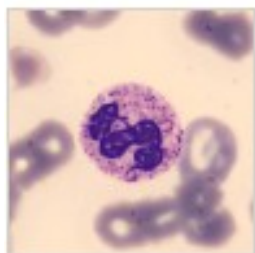
A00734P5AB\_058



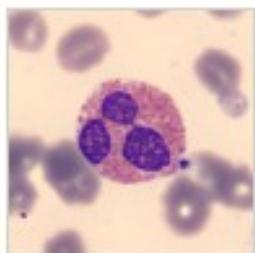
A00734P5AB\_059



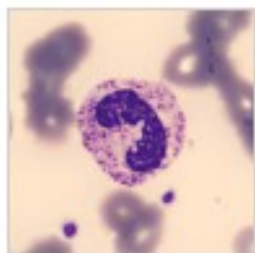
A00734P5AB\_060



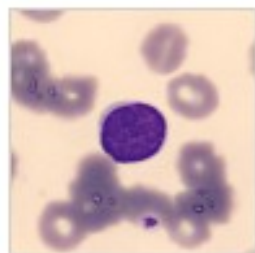
A00734P5AB\_061



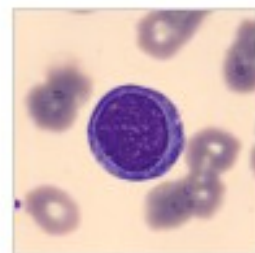
A00734P5AB\_062



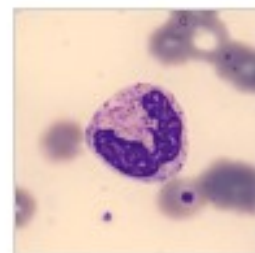
A00734P5AB\_063



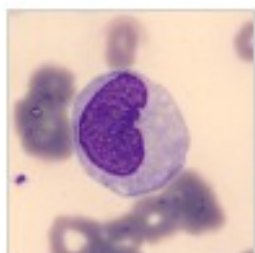
A00734P5AB\_064



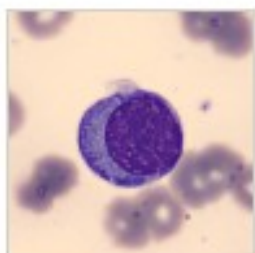
A00734P5AB\_065



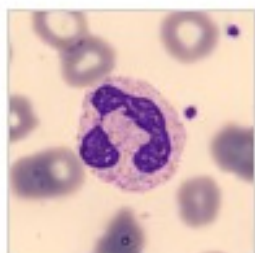
A00734P5AB\_066



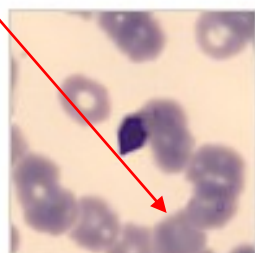
A00734P5AB\_067



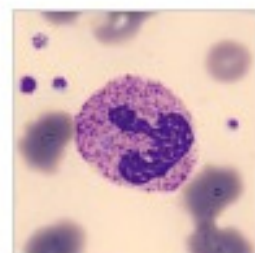
A00734P5AB\_068



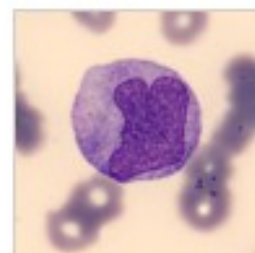
A00734P5AB\_069



A00734P5AB\_070

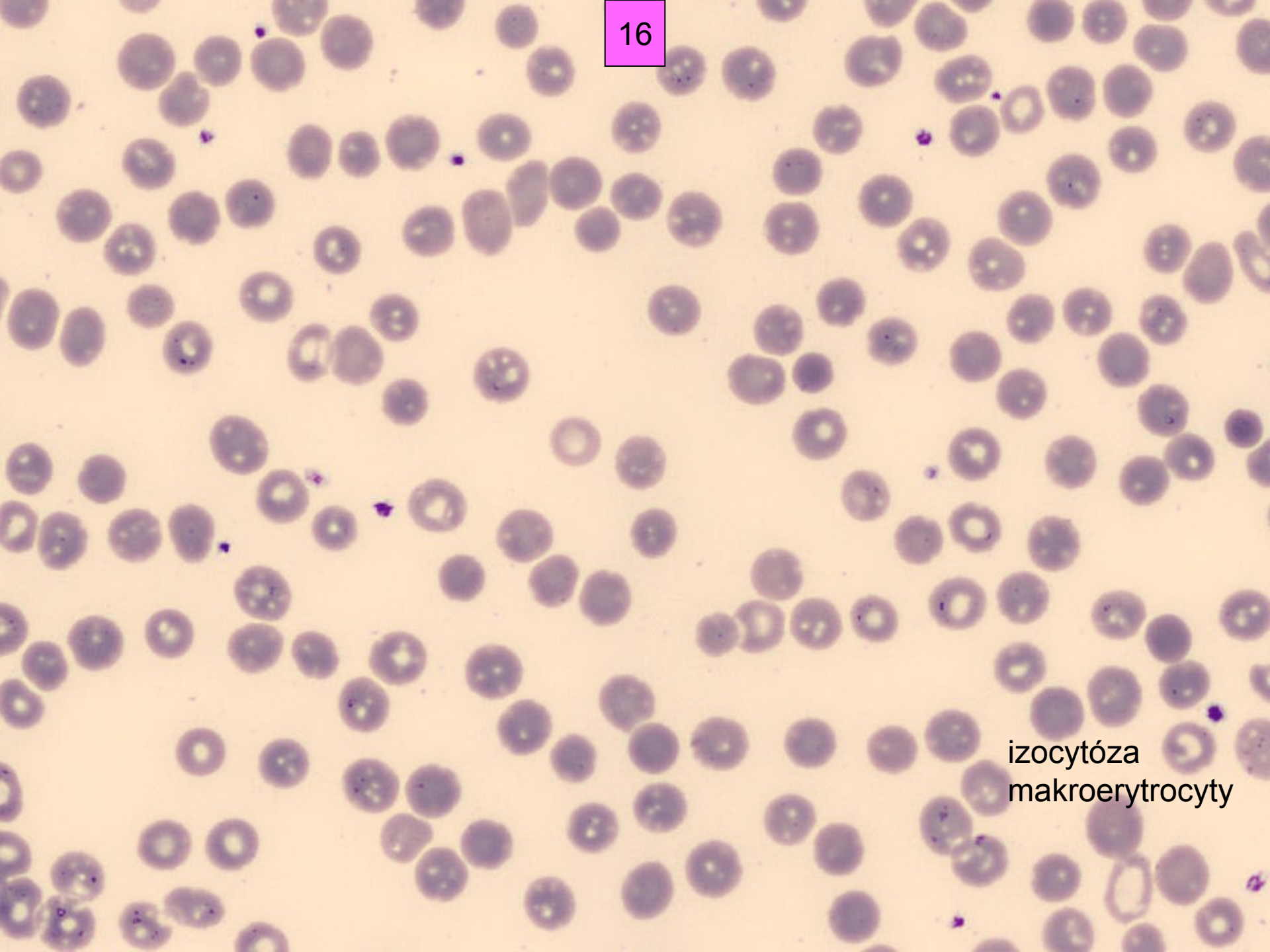


A00734P5AB\_071



A00734P5AB\_072

16



izocytóza  
makroerytrocyty

Specimen ID: A00734P5AB  
 Name: ██████████  
 DOB: 05/12/28  
 Sex: M  
 Doctor: 0734/25/05/2010  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

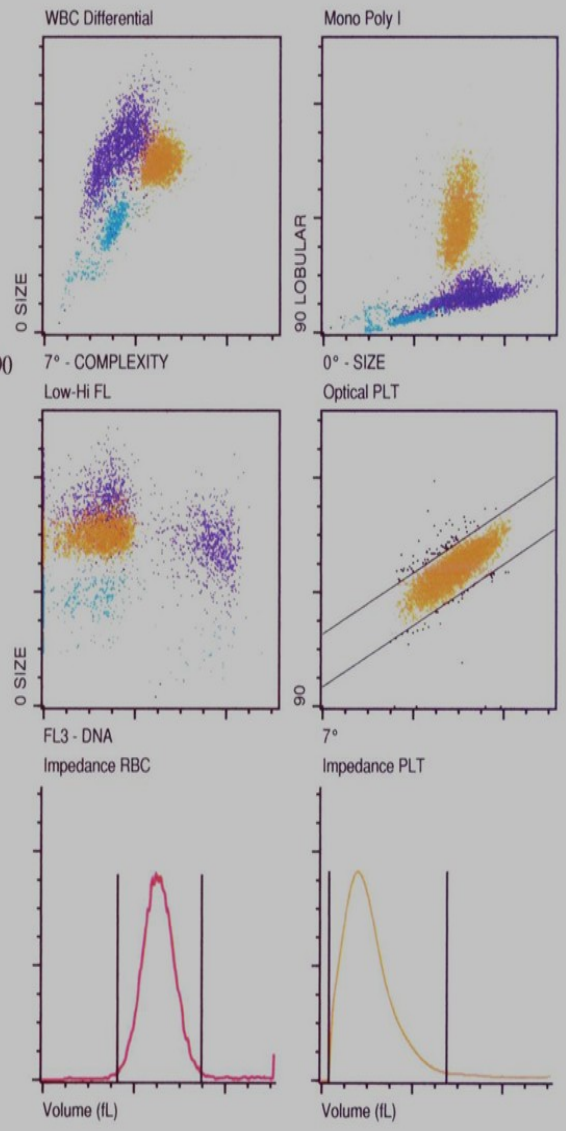
Limit Set: 1  
 Run Date/Time: 05/25/10 10:32

X-B	WBC	RBC	PLT	RETC	
2 Out	In	In	In	In	
WBC	14.8	10e9/L	WVF	8.17	nvWBC
SEG	7.29		%S	49.2	
BAND	0.00		%BD	0.00	
IG	0.00		%IG	0.00	
BLST	.634		%BL	4.27	BLAST
MONe	5.24		%Me	35.3	0.90
EOS	.087		%E	.590	
BASO	.029		%B	.197	
LYMe	1.55		%Le	10.5	
VARL	0.00		%VL	0.00	

RBC	2.97	10e12/L	RBCo	2.96
HGB	107	g/L		
HCT	30.0	L/L		
MCV	101	fL		
MCH	36.0	pg		
MCHC	357	g/L		
RDW	13.3	%CV		
RETC	----	10e9/L	%R	----
IRF	----			
NRBC	0.00	10e9/L	NRW	0.00
PLTo	197	10e9/L	PLTi	213
MPV	7.08	fL	CDB1	----
PDW	15.5	10(GSD)	PLTs	----
PCT	1.40	mL/L	PLTI	----

Manual Differential	RBC Morphology		
SEG 52	WETA	NORMAL	MICRO
BAND 1	MYELO	POLYCH ✓	MACRO ✓
LYMPH 13	PRO 27	HYPOCH	ANISO
MONO 6	BLAST	POIK	BASOSTIP
EOSIN	VAR LYM ✓	TARGET	
BASO 1	TOXGRAN	SPHERO	NRBC 1/100
PLT EST		PLT MORPH	

makulitrac ru



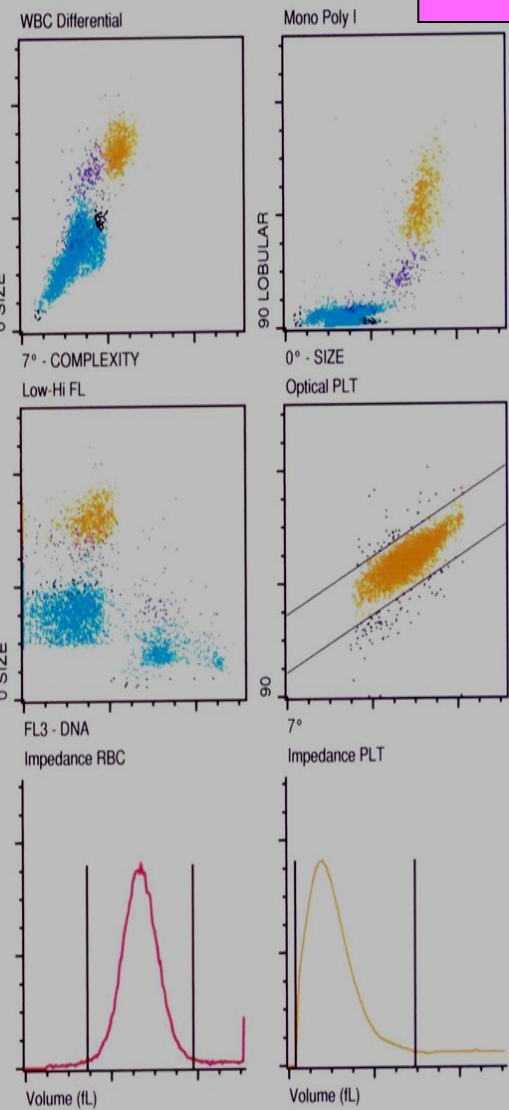
# Pacient 16

- muž, 82 roků
- diagnóza: mnohočetný myelom

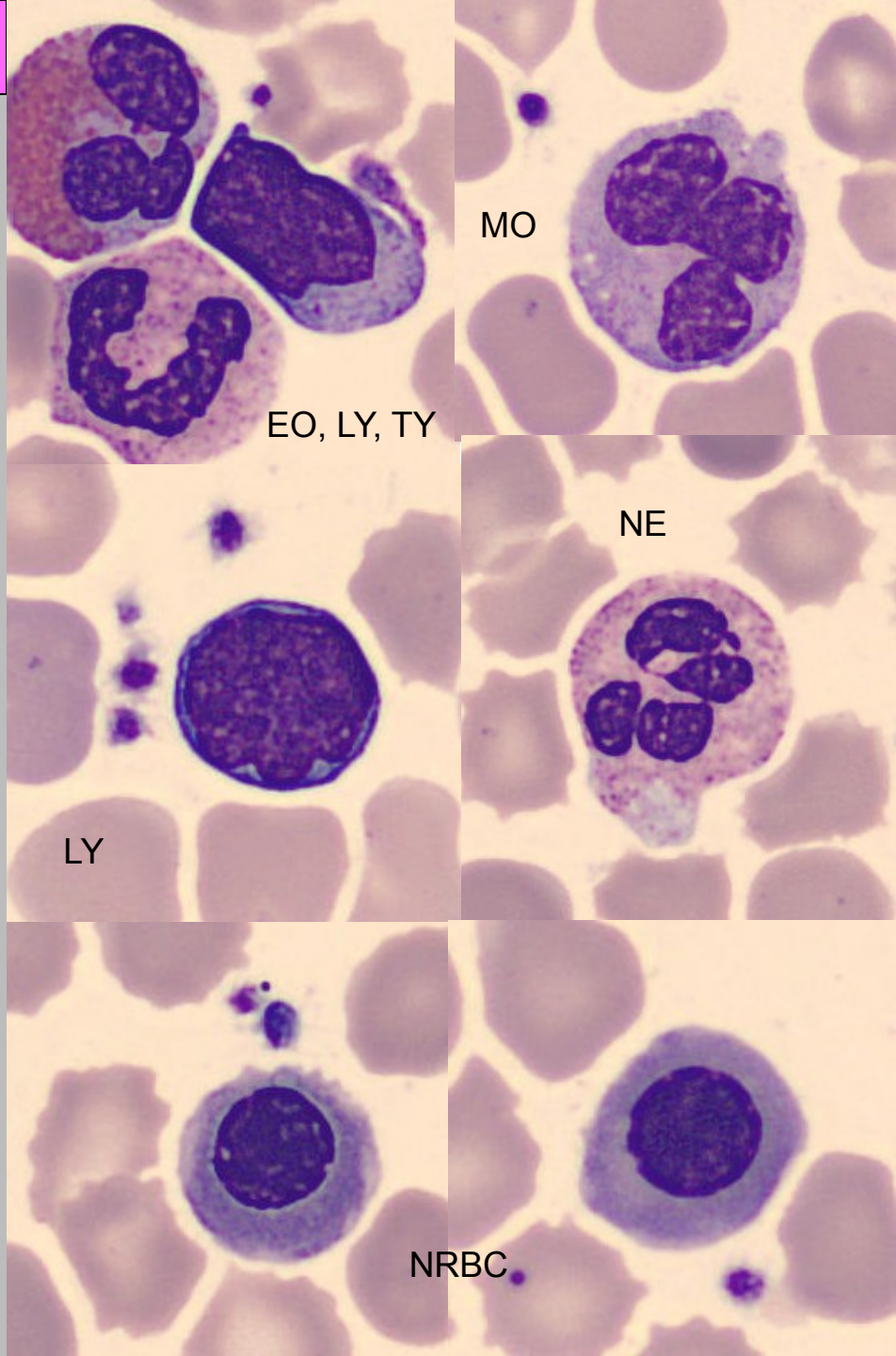
DOB:  
 Sex:  
 Doctor:  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

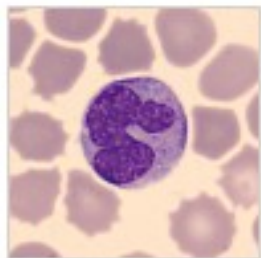
X-B	WBC	RBC	PLT	RETC	
WBC	26.9 ↑	10e9/L	WVF	818*	*InvalidData nvWBC
SEG	6.16*	%S	22.9*		
BAND	0.00*	%BD	0.00*		
IG	0.00*	%IG	0.00*		
BLST	0.00*	%BL	0.00*		
MONe	1.62*	%Me	6.02*		
EOS	.233*	%E	.867*		
BASO	0.00*	%B	0.00*		
LYMe	14.6*	%Le	54.4*	FP?	
VARL	4.25*	%VL	15.8*	VARLYM	0.90

RBC	4.56	10e12/L	RBCo	4.41
HGB	162.	g/L		
HCT	.484	L/L		
MCV	106.	fL		
MCH	35.5	pg		
MCHC	335.	g/L		
RDW	15.8 ↓	%CV		
RETC	---	10e9/L	%R	---
IRF	---			
NRBC	0.00*	10e9/L	NR/W	0.00*
PLTo	219.	10e9/L	PLTI	226.
MPV	8.22	fL	CD61	---
PDW	17.3	10(GSD)	PLTs	---
PCT	1.80	ml/L	PLTI	---

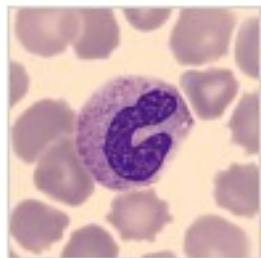


WBC Count Rate Violation  
 Unidentified Fluorescent Population Greater than Preset Limit  
 Significant Number of Cells Removed from WBC Differential Analysis

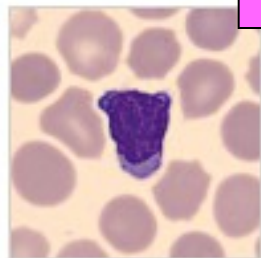




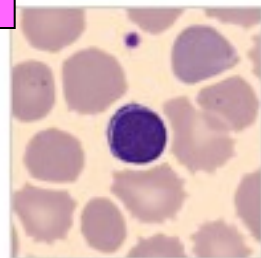
A0096055AB\_061



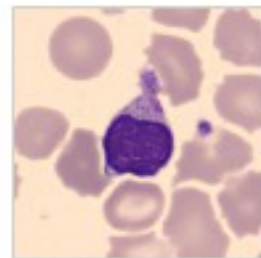
A0096055AB\_062



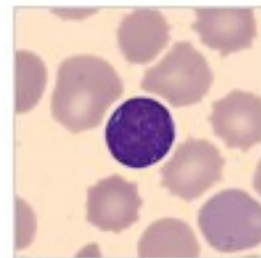
A0096055AB\_063



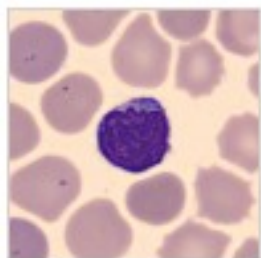
A0096055AB\_064



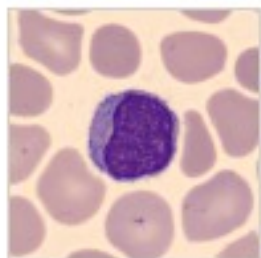
A0096055AB\_065



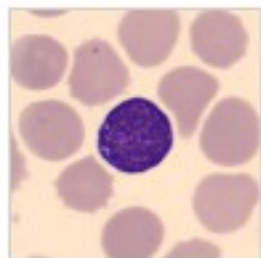
A0096055AB\_066



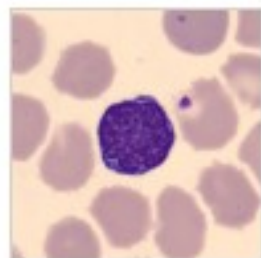
A0096055AB\_067



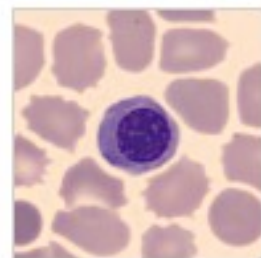
A0096055AB\_068



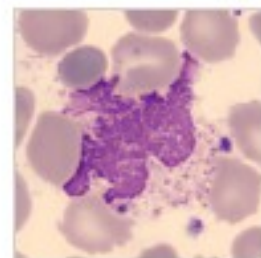
A0096055AB\_069



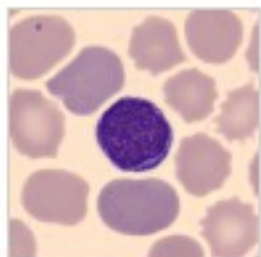
A0096055AB\_070



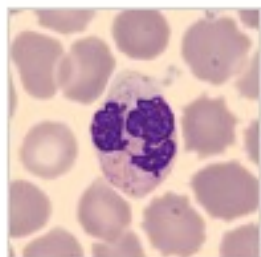
A0096055AB\_071



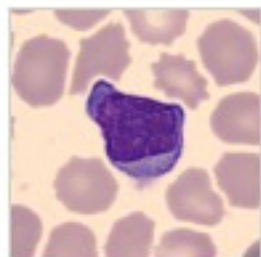
A0096055AB\_072



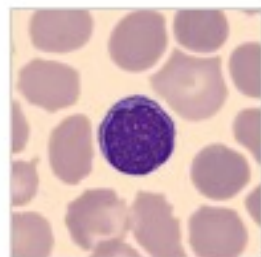
A0096055AB\_073



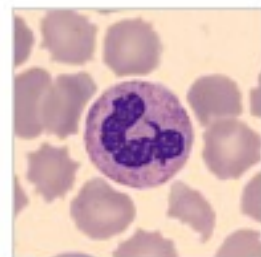
A0096055AB\_074



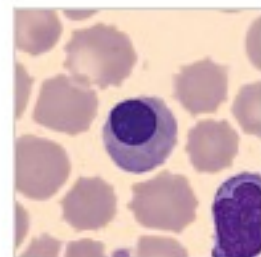
A0096055AB\_075



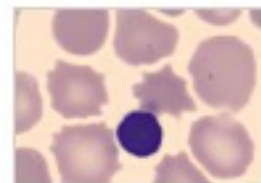
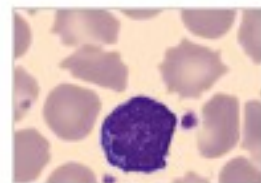
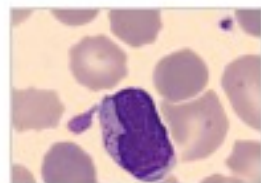
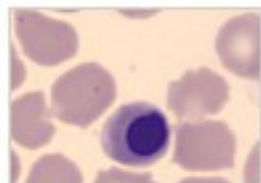
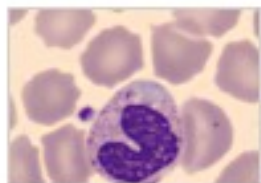
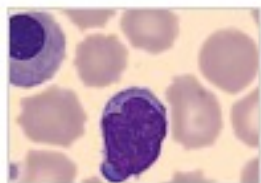
A0096055AB\_076



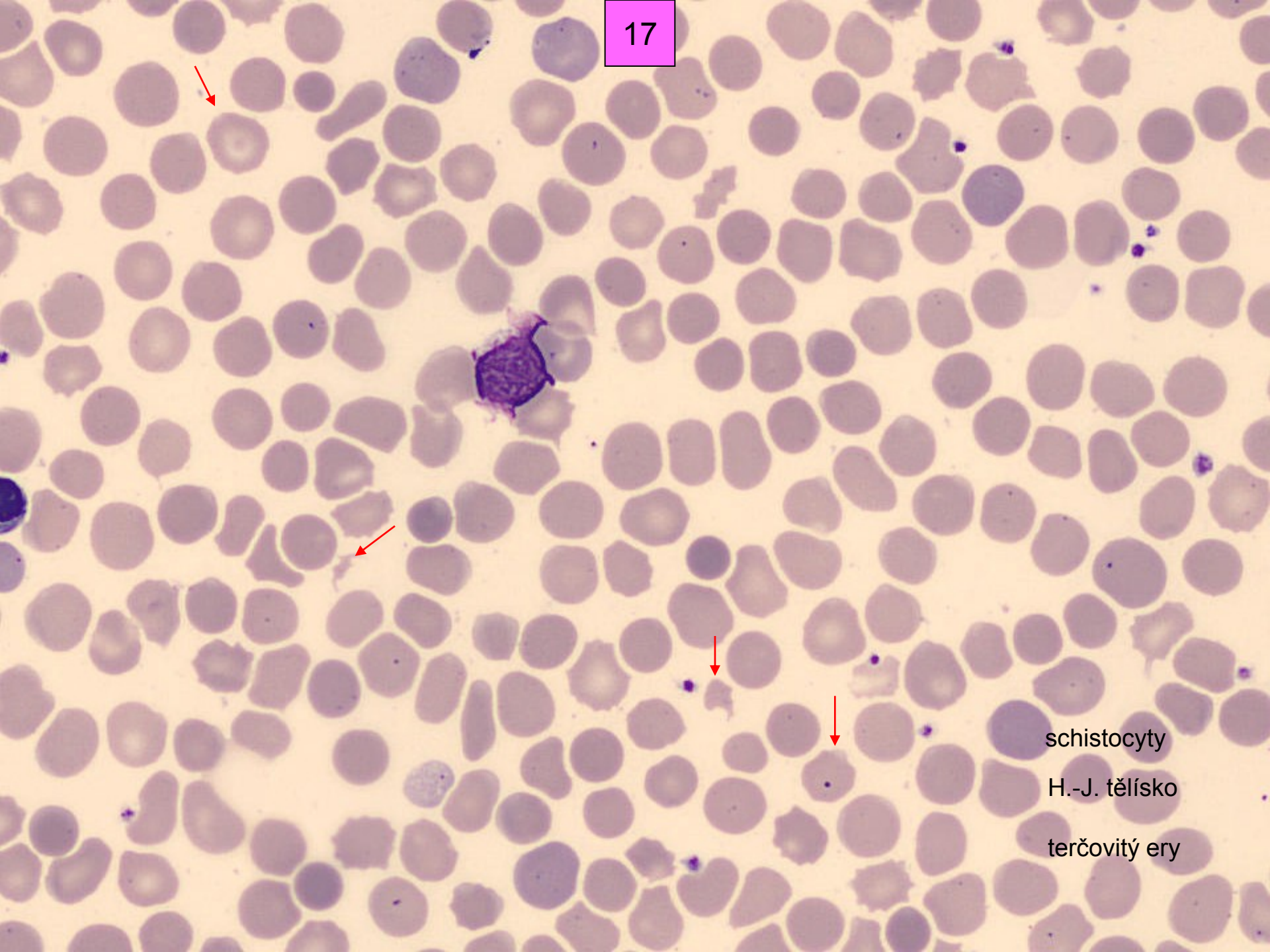
A0096055AB\_077



A0096055AB\_078



17



schistocyty

H.-J. tělíčko

terčovitý ery

Patient/ Human  
 Specimen ID: 813  
 Name:  
 DOB:  
 Sex:  
 Doctor:  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

Param Set (Chart Page):  
 Limit Set: 1  
 Run Date/Time: 05/27/10 20:05

X-B	WBC	RBC	PLT	RETC
WBC	26.9*	10e9/L	WVF	.818*
SEG	6.16*		%S	22.9*
BAND	0.00*		%BD	0.00*
IG	0.00*		%IG	0.00*
BLST	0.00*		%BL	0.00*
MONe	1.62*		%Me	6.02*
EOS	.233*		%E	.867*
BASO	0.00*		%B	0.00*
LYMe	14.6*		%Le	54.4*
VARL	4.25*		%VL	15.8*

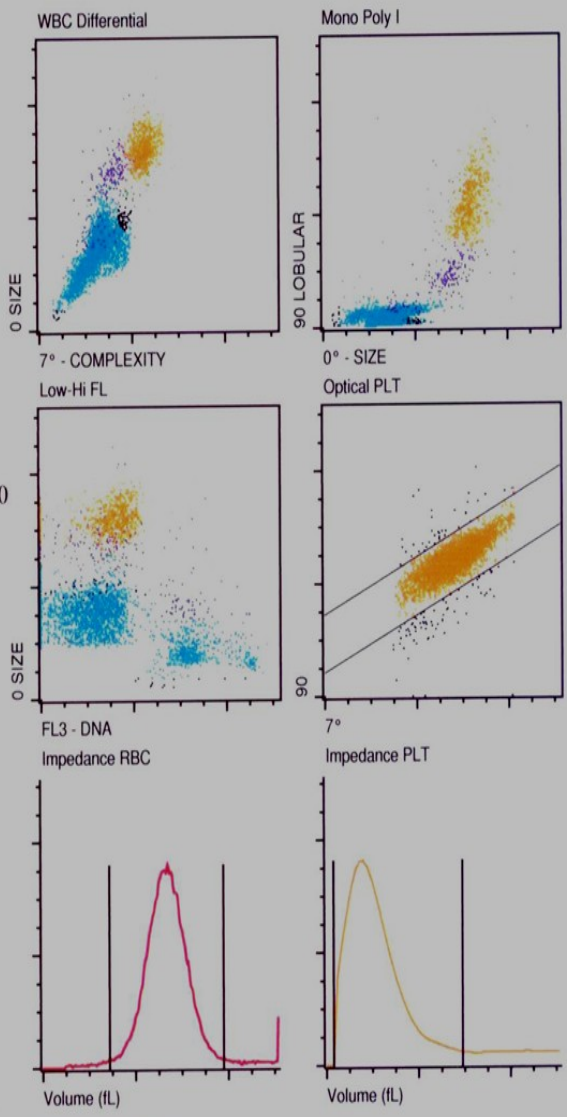
\*InvalidData  
 nvWBC  
 FP?  
 VARLYM 0.90

RBC	4.56	10e12/L	RBCc	4.41
HGB	162.	g/L		
HCT	.484	L/L		
MCV	106.	fL		
MCH	35.5	pg		
MCHC	335.	g/L		
RDW	15.8	%CV		
RETC	----	10e9/L	%R	----
IRF	----			
NRBC	0.00*	10e9/L	NR/W	0.00*

PLTo	219.	10e9/L	PLTI	226.
MPV	8.22	fL	CD61	----
PDW	17.3	10(GSD)	PLTs	----
PCT	1.80	mL/L	PLTI	----

Manual Differential	RBC Morphology
SEG 33	META NORMAL MICRO ✓
BAND 4	MYELO POLYCH ✓ MACRO ✓
LYMPH 58	PRO HYPOCH ANISO ✓
MONO 4	BLAST POIK BASOSTIP
EOSIN 1	VAR LYM ✓ TARGET M. J. LIL.
BASO	TOXGRAN SPHERO NRBC 20/100
PLT EST aniso	PLT MORPH

Comment:  
 DIFF by: *shukry PLT* Date:



WBC Count Rate Violation  
 Unidentified Fluorescent Population Greater than Preset Limit  
 Significant Number of Cells Removed from WBC Differential Analysis

Patient 17

- novorozenec

Positive

18

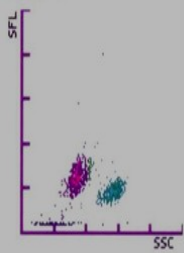
WBC & 2.01 ↓ [10<sup>9</sup>/L]

WBC IP Message(s)

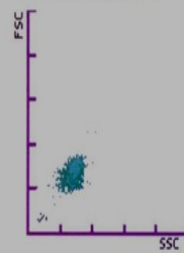
NEUT	0.85 *	[10 <sup>9</sup> /L]	42.3 *	[%]
LYMP&	1.10 *	[10 <sup>9</sup> /L]	54.7 ↑	[%]
MONO	0.06 *	[10 <sup>9</sup> /L]	3.0 *	[%]
EO	0.00 *	[10 <sup>9</sup> /L]	0.0 *	[%]
BASO	0.00 *	[10 <sup>9</sup> /L]	0.0 *	[%]
IG	0.00	[10 <sup>9</sup> /L]	0.0	[%]

Lymphocytosis  
NRBC Present

DIFF



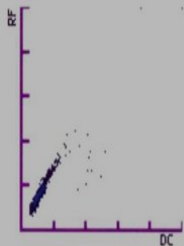
WBC/BASO



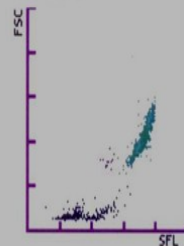
RBC	3.71 -	[10 <sup>12</sup> /L]
HGB	125 -	[g/L]
HCT	0.370 -	[Ratio]
MCV	99.7 +	[fL]
MCH	33.7	[pg]
MCHC	338	[g/L]
RDW-CV	18.6 ↑	[%]

Anisocytosis

IMI



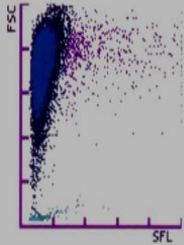
NRBC



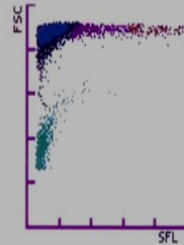
RET	61.6	[10 <sup>9</sup> /L]	1.66	[%]
IRF	0.190	[Ratio]		
RET-He	40.7	[pg]		
IPF	1.4	[%]		
NRBC	0.02	[10 <sup>9</sup> /L]	↑ 1.2	[/100WBC]

Thrombocytopenia

RET

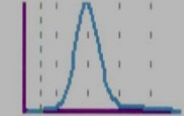


PLT-O

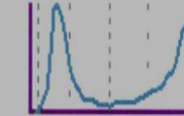


PLT	51 ↓	[10 <sup>9</sup> /L]
MPV	8.5	[fL]
PDW	8.1 -	[fL]
PCT	0.04 -	[%]

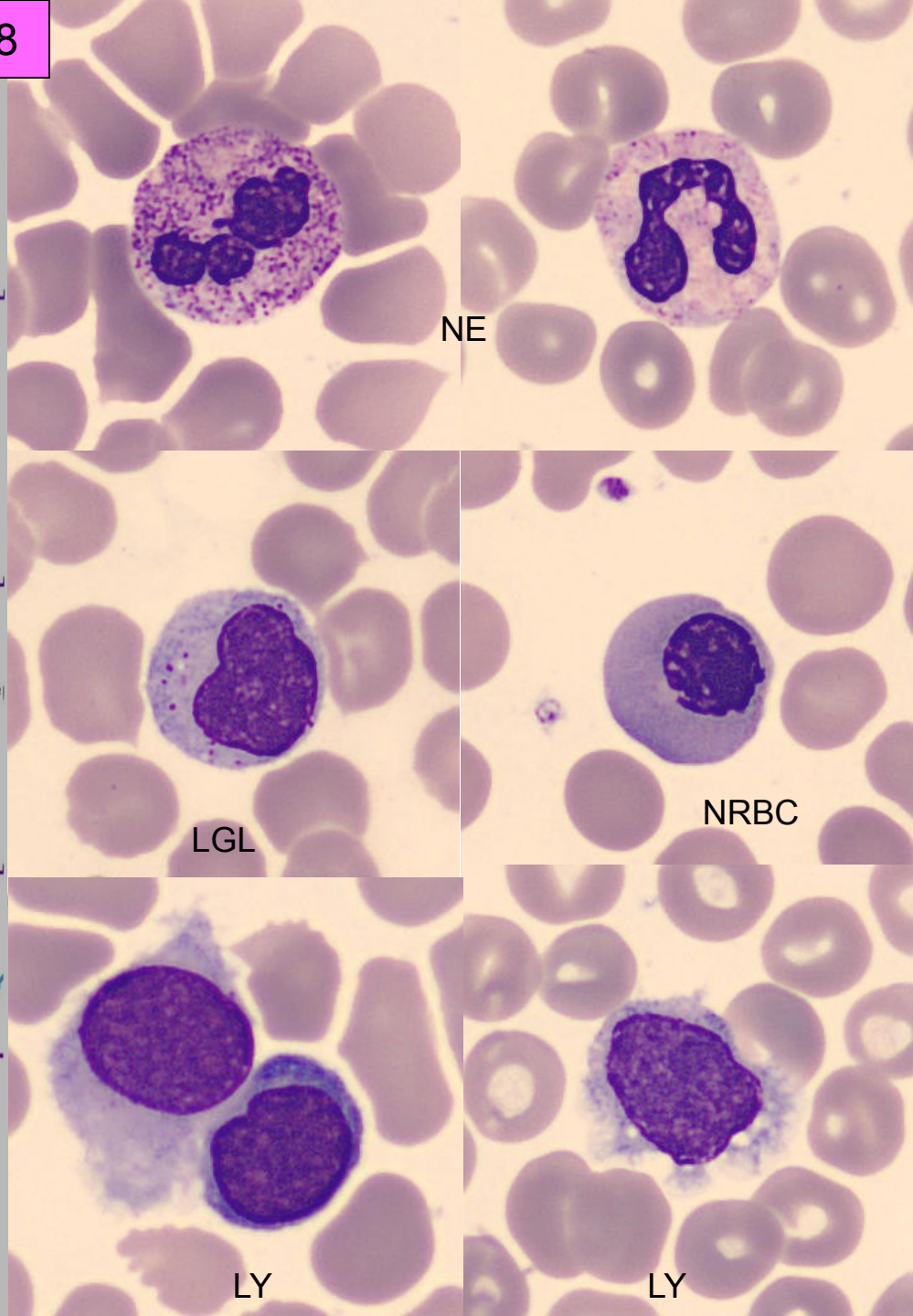
RBC



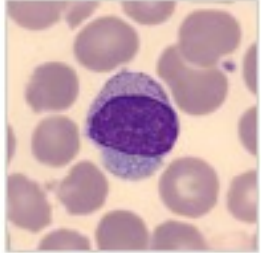
PLT



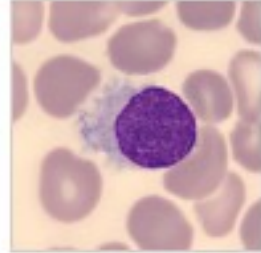
vlasaté lymphocyty



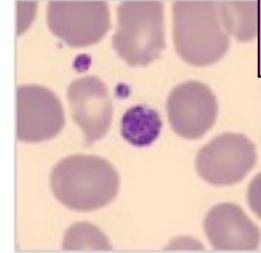




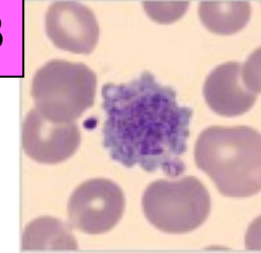
A00222R5AA\_103



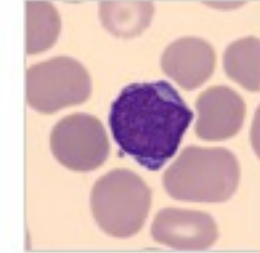
A00222R5AA\_104



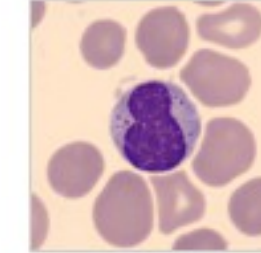
A00222R5AA\_105



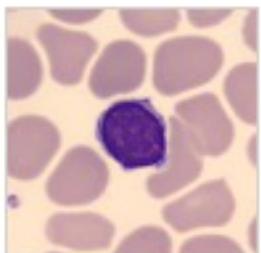
A00222R5AA\_106



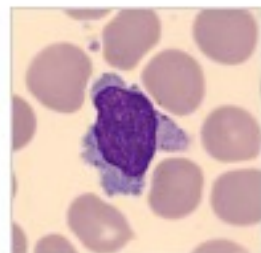
A00222R5AA\_107



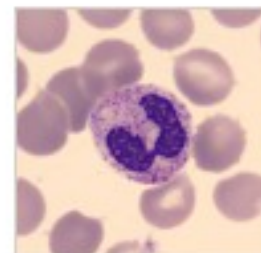
A00222R5AA\_108



A00222R5AA\_109



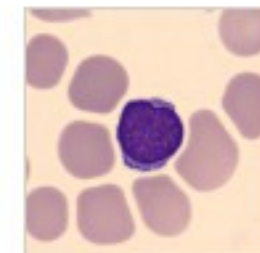
A00222R5AA\_110



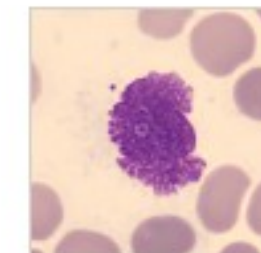
A00222R5AA\_111



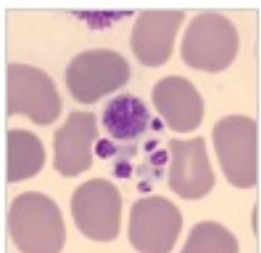
A00222R5AA\_112



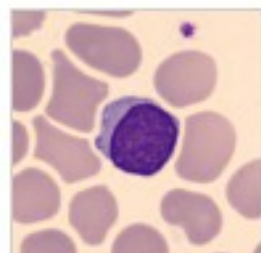
A00222R5AA\_113



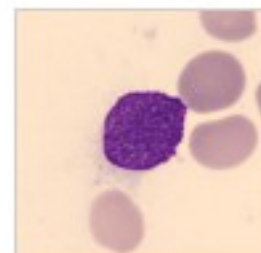
A00222R5AA\_114



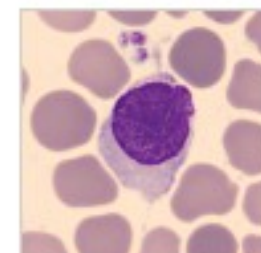
A00222R5AA\_115



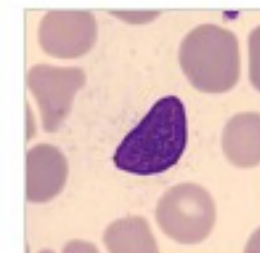
A00222R5AA\_116



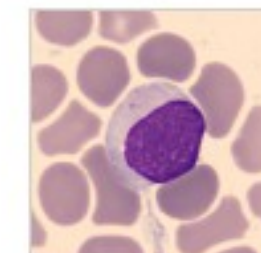
A00222R5AA\_117



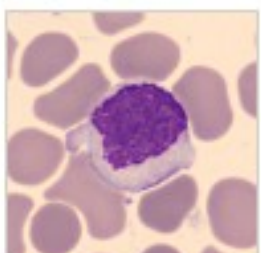
A00222R5AA\_118



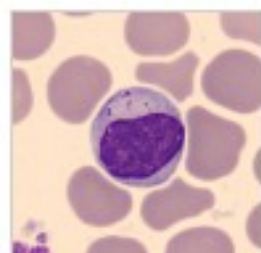
A00222R5AA\_119



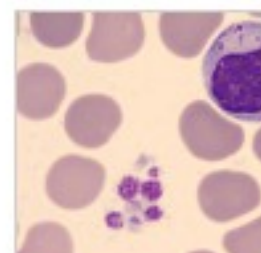
A00222R5AA\_120



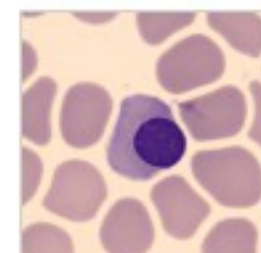
A00222R5AA\_121



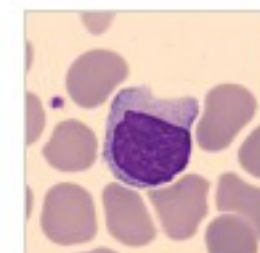
A00222R5AA\_122



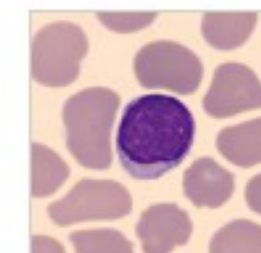
A00222R5AA\_123



A00222R5AA\_124

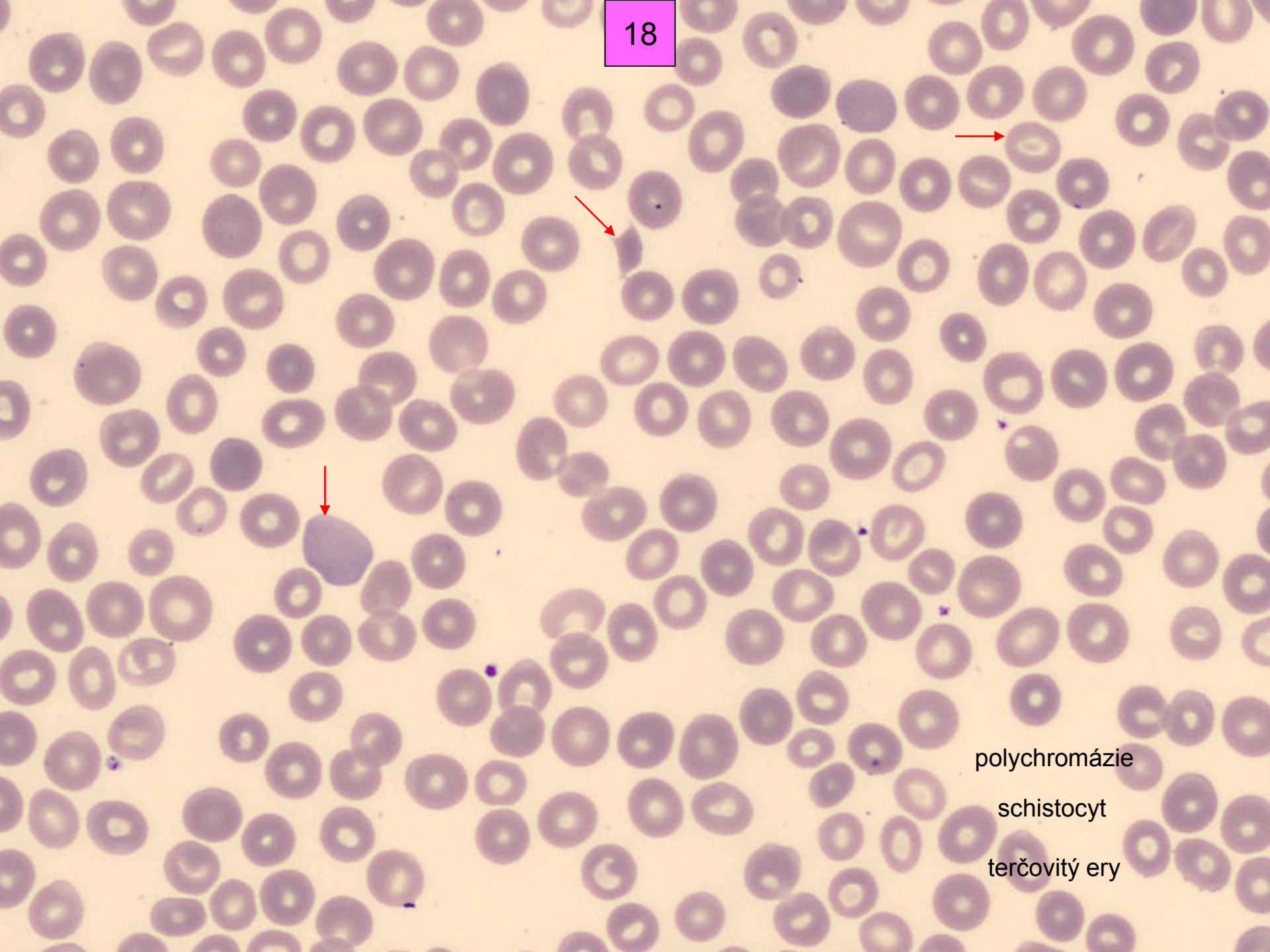


A00222R5AA\_125



A00222R5AA\_126

18



polychromázie

schistocyt

terčovitý ery

Positive

WBC & 2.01 - [10^9/L]

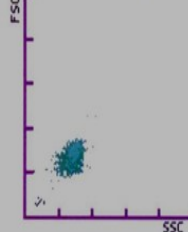
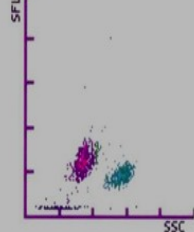
WBC IP Message(s)

DIFF

WBC/BASO

NEUT	0.85 *	[10^9/L]	42.3	[%]
LYMP&	1.10 *	[10^9/L]	54.7	[%]
MONO	0.06 *	[10^9/L]	3.0	[%]
EO	0.00 *	[10^9/L]	0.0	[%]
BASO	0.00 *	[10^9/L]	0.0	[%]
IG	0.00	[10^9/L]	0.0	[%]

Lymphocytosis  
NRBC Present



RBC	3.71	-	[10^12/L]
HGB	125	-	[g/L]
HCT	0.370	-	[Ratio]
MCV	99.7	+	[fL]
MCH	33.7		[pg]
MCHC	338		[g/L]
RDW-CV	18.6	+	[%]

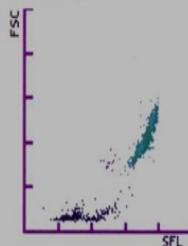
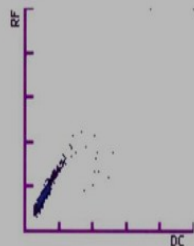
Anisocytosis

IMI

NRBC

RET	61.6	[10^9/L]	1.66	[%]
IRF	0.190	[Ratio]		
RET-He	40.7	[pg]		
IPF	1.4	[%]		
NRBC	0.02	[10^9/L]	1.2	[/100WBC]

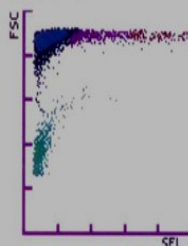
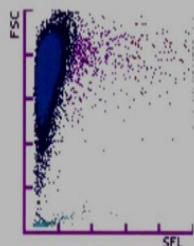
Thrombocytopenia



PLT	51	-	[10^9/L]
MPV	8.5	-	[fL]
PDW	8.1	-	[%]
PCT	0.04	-	[%]

RET

PLT-O



LGL-P

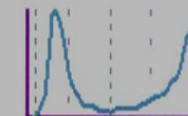
Manual Diff

RBC morf.

SEG	29	META	NORMAL	MICRO	✓
BAND	1	MYELO	POLYCH	MAKRO	✓
LYMPH	70	PRO	HYPOCH	ANISO	✓
MONO		BLAST	POIK	BASOtip	
EOSIN		VARLY	TARGET		
BASO		TOXgran	SPHERO	NRBC	3
PLT EST		PLT morf			

RBC

PLT



Comment: *lymp - plasmocitovy leukocyty*  
DIFF by: \_\_\_\_\_ Date: \_\_\_\_\_

*hypergranulose neu*

# Pacient 18

- muž, 76 roků
- diagnóza: vlasatobuněčná leukémi

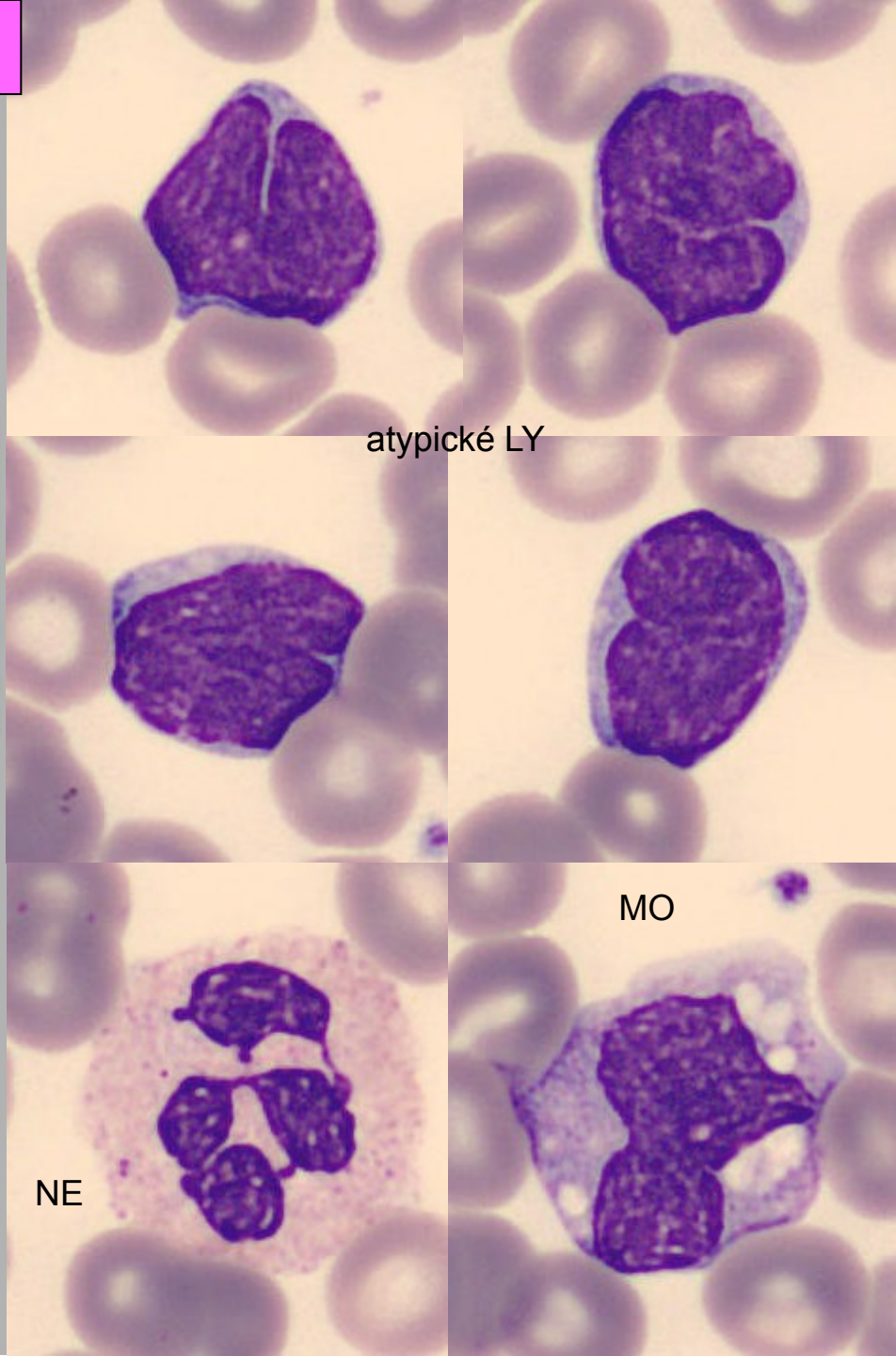
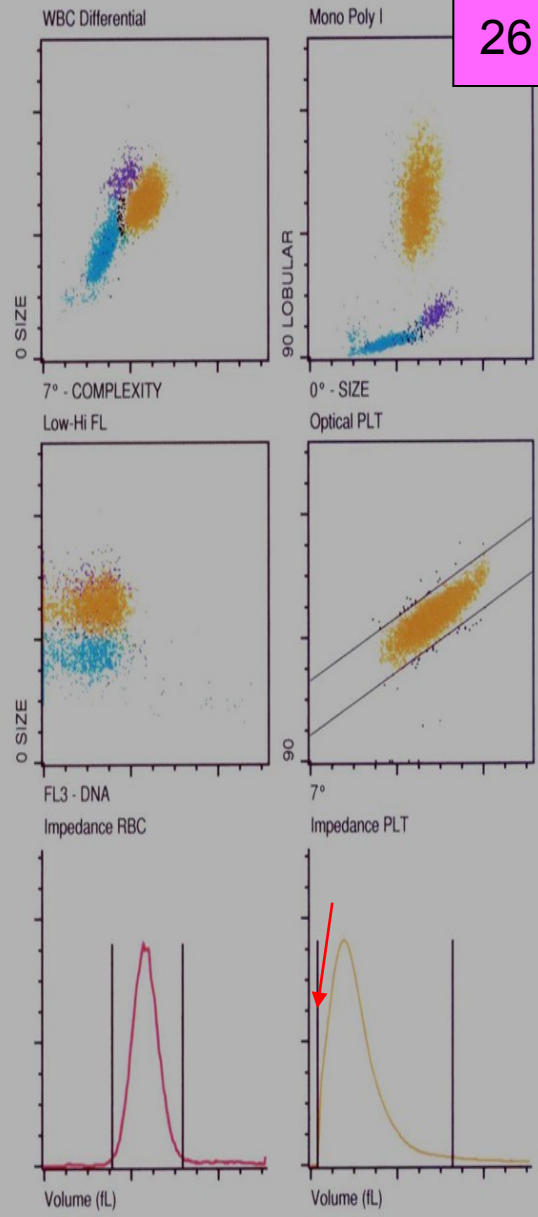
DOB: 03/21/42  
 Sex: M  
 Doctor: 0637/10/06/2010  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

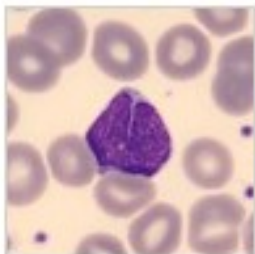
26

X-B In	WBC 2	RBC Out	PLT In	RETC In
WBC	8.72	10e9/L	WVF	.995
SEG	4.92		%S	56.5
BAND	0.00		%BD	0.00
IG	0.00		%IG	0.00
BLST	0.00		%BL	0.00
MONe	.491		%Me	5.63
EOS	.087		%E	.995
BASO	.101		%B	1.15
LYMe	3.12		%Le	35.8
VARL	0.00		%VL	0.00

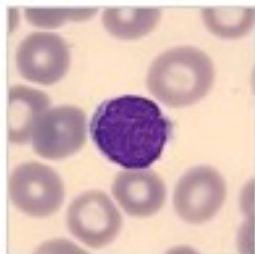


RBC	3.91	10e12/L	RBCo	3.79
HGB	125	g/L		
HCT	36.7	L/L		
MCV	92.6	fL		
MCH	31.9	pg		
MCHC	344.	g/L		
RDW	12.5	%CV		
RETC	----	10e9/L	%R	----
IRF	----			
NRBC	0.00	10e9/L	NRW	0.00
PLTo	230.	10e9/L	PLTI	244.
MPV	6.95	fL	CD61	----
PDW	15.6	10(GSD)	PLTs	----
PCT	1.60	mL/L	PLTI	----

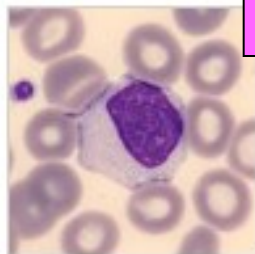




A00637A6AB\_025



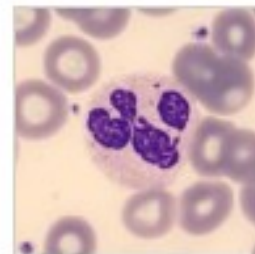
A00637A6AB\_026



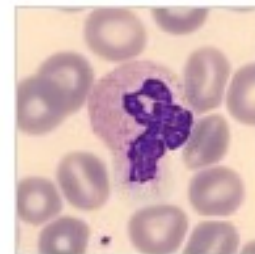
A00637A6AB\_027



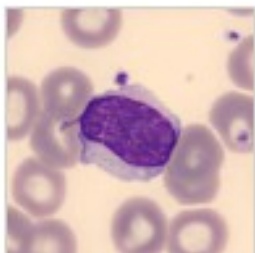
A00637A6AB\_028



A00637A6AB\_029



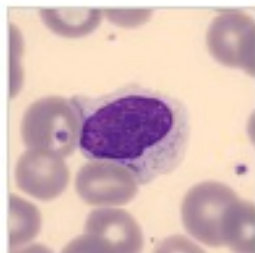
A00637A6AB\_030



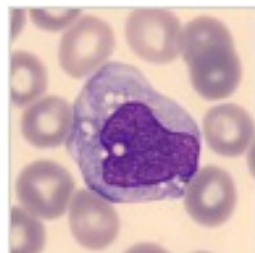
A00637A6AB\_031



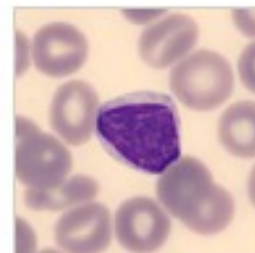
A00637A6AB\_032



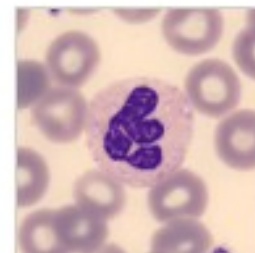
A00637A6AB\_033



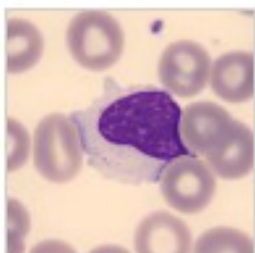
A00637A6AB\_034



A00637A6AB\_035



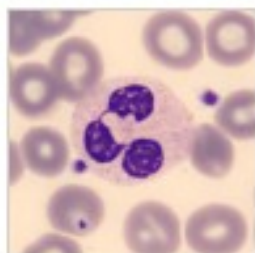
A00637A6AB\_036



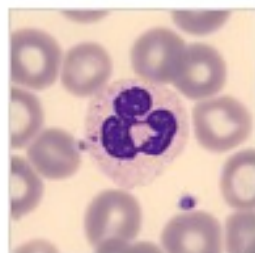
A00637A6AB\_037



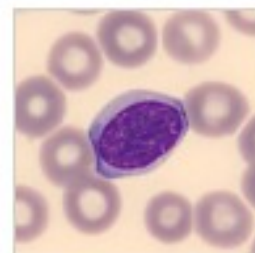
A00637A6AB\_038



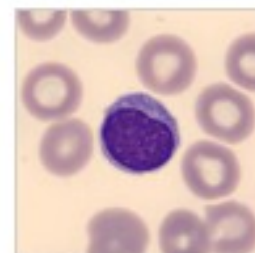
A00637A6AB\_039



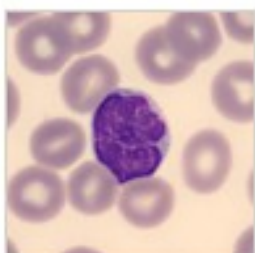
A00637A6AB\_040



A00637A6AB\_041



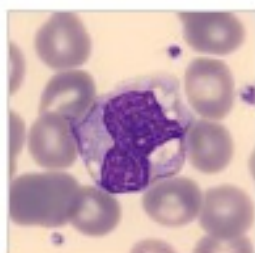
A00637A6AB\_042



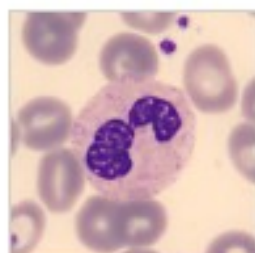
A00637A6AB\_043



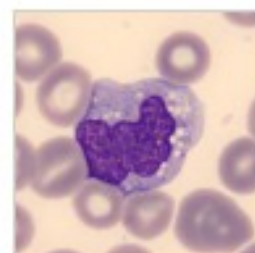
A00637A6AB\_044



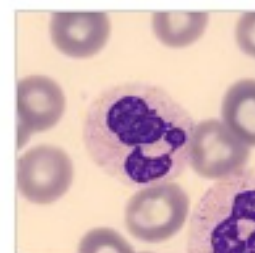
A00637A6AB\_045



A00637A6AB\_046

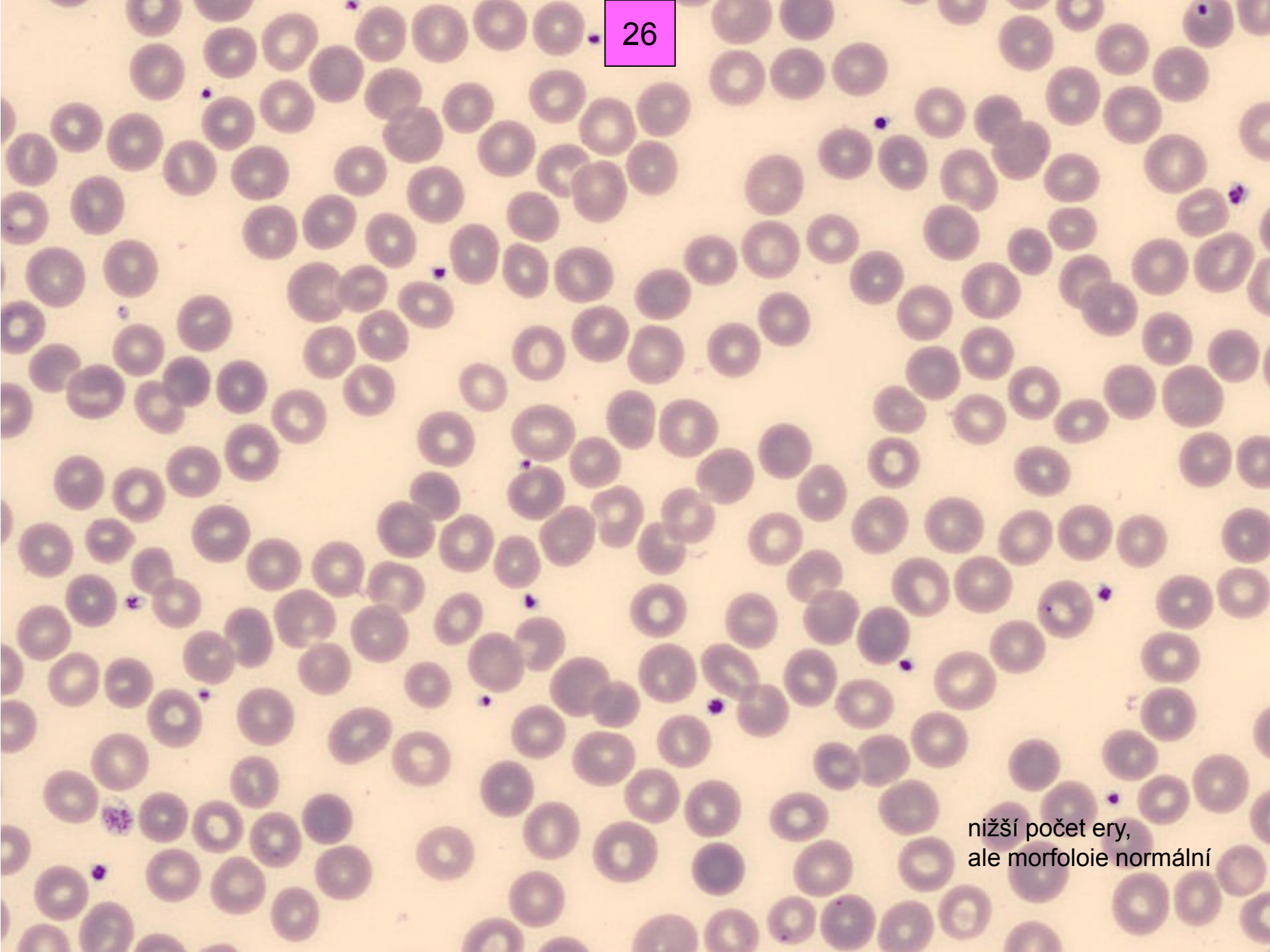


A00637A6AB\_047



A00637A6AB\_048

26



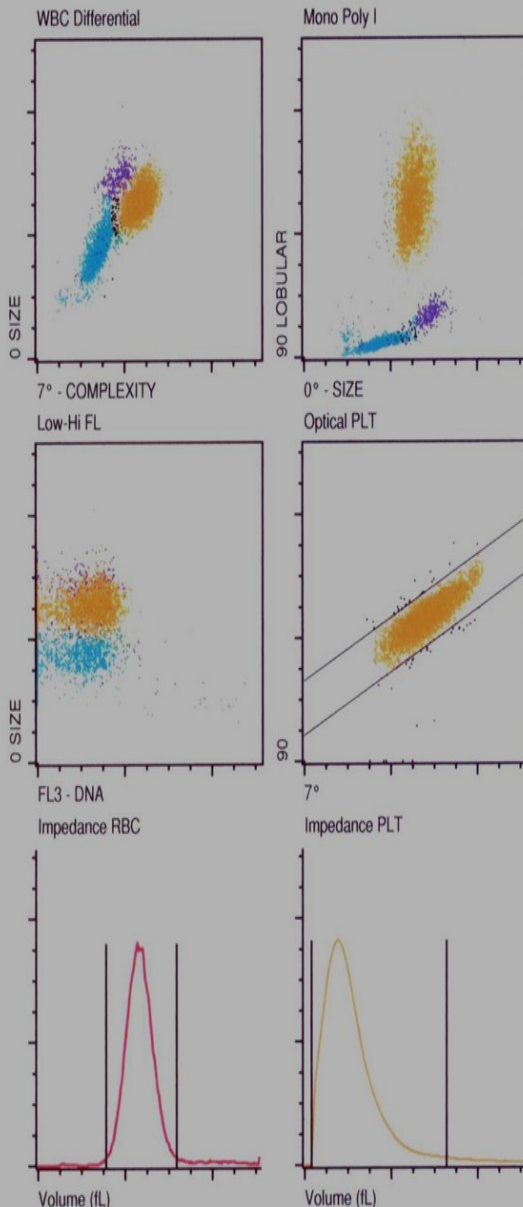
nižší počet ery,  
ale morfoloie normální

DOB: 03/21/42  
 Sex: M  
 Doctor: 0637/10/06/2010  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

X-B In	WBC 2 Out	RBC In	PLT In	RETc In
WBC	8.72	10e9/L	WVF	.995
SEG	4.92	%S		56.5
BAND	0.00	%BD		0.00
IG	0.00	%IG		0.00
BLST	0.00	%BL		0.00
MONe	.491	%Me		5.63
EOS	.087	%E		.995
BASO	.101	%B		1.15
LYMe	3.12	%Le		35.8
VARL	0.00	%VL		0.00

RBC	3.91	10e12/L	RBCo	3.79
HGB	125	g/L		
HCT	36.2	L/L		
MCV	92.6	fL		
MCH	31.9	pg		
MCHC	344.	g/L		
RDW	12.5	%CV		
RETc	----	10e9/L	%R	----
IRF	----			
NRBC	0.00	10e9/L	NRW	0.00
PLTo	230.	10e9/L	PLTi	244.
MPV	6.95	fL	CD61	----
PDW	15.6	10(GSD)	PLTs	----
PCT	1.60	mL/L	PLTI	----

Manual Differential	RBC Morphology		
SEG 62	META	NORMAL ✓	MICRO
BAND	MYELO	POLYCH	MACRO
LYMPH 31	PRO	HYPOCH	ANISO
MONO 6	BLAST	POIK	BASOSTIP
EOSIN	VAR LYM ✓	TARGET	
BASO 1	TOXGRAN	SPHERO	NRBC
PLT EST	PLT MORPH		
Comment:	súprava kožných problémov		
DIFF by:	Date:		



# Pacient 26

- muž, 68 roků
- diagnóza:  
Ne-Hodgkinův lymfom