

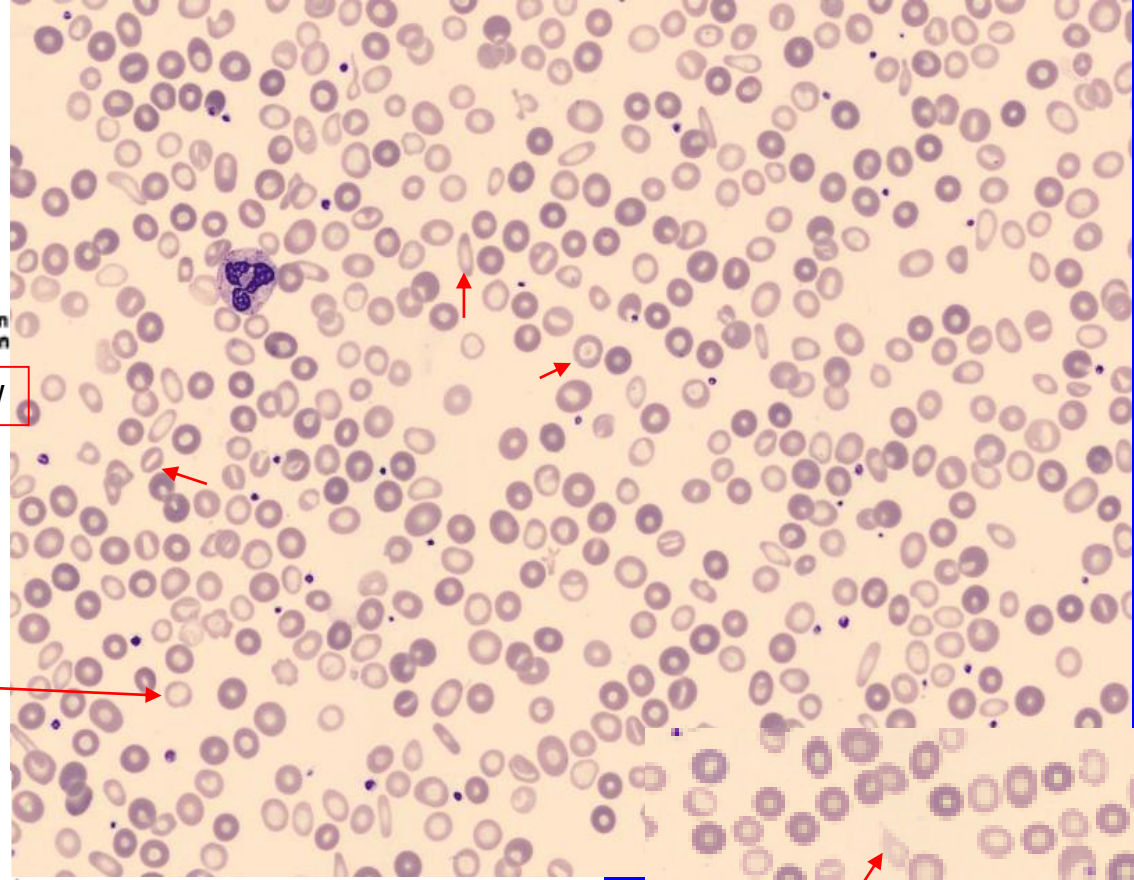
Příklady KO a morfologie

Sideropenická anémie

WBC	3.52	-	[10 ⁹ /L]	WBC IP Message(s)
NEUT	2.46		[10 ⁹ /L]	69.8 [%]
LYMPH	0.52	-	[10 ⁹ /L]	14.8 [%]
MONO	0.40		[10 ⁹ /L]	11.4 [%]
EO	0.07		[10 ⁹ /L]	2.0 [%]
BASO	0.07		[10 ⁹ /L]	2.0 [%]
IG	0.01		[10 ⁹ /L]	0.3 [%]
RBC	3.93	*	[10 ¹² /L]	
HGB	78	-	[g/L]	
HCT	0.278	*	[Ratio]	
MCV	70.7	*	[fL]	
MCH	19.8	*	[pg]	
MCHC	281	*	[g/L]	
RDW-CV	—		[%]	neměřitelné, vysoké RDW
RET			[10 ⁹ /L]	[%]
IRF			[Ratio]	
RET-He			[pg]	
IPF			[%]	
NRBC	0.00		[10 ⁹ /L]	0.0 [/#100WBC]
PLT	272		[10 ⁹ /L]	
MPV	8.4		[fL]	
PDW	8.9	-	[fL]	
PCT	0.23		[%]	

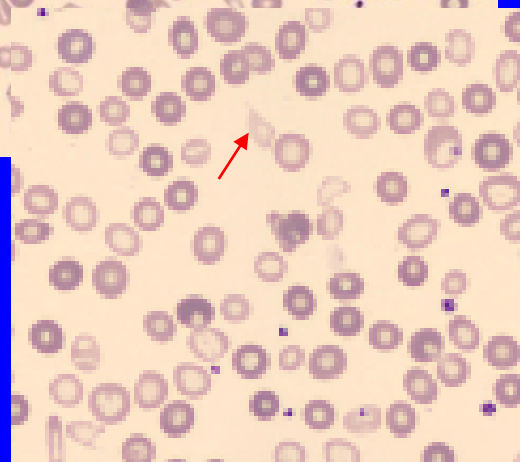
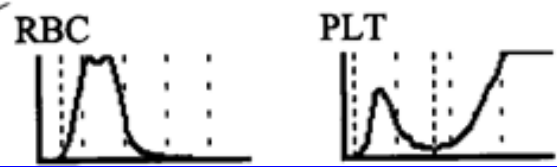
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RBC Abn Distribution
Dimorphic Population
Microcytosis



hypochromie
tvarové odchylky

Manual Diff		RBC morf.	
SEG <u>70</u>	META	NORMAL	<u>MICRO</u>
BAND	MYELO	POLYCH	MAKRO
LYMPH <u>15</u>	PRO	<u>HYPOCH</u>	<u>ANISO</u>



Získaná hemolytická anémie

Doctor: 0708/07/05/2013

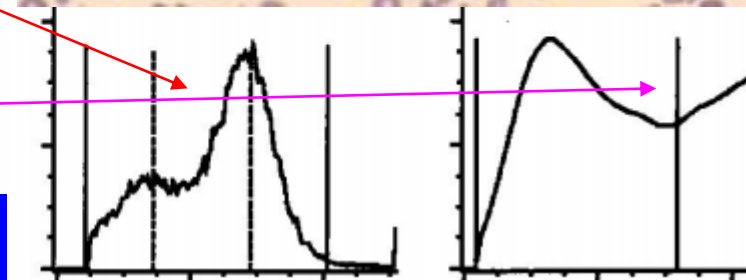
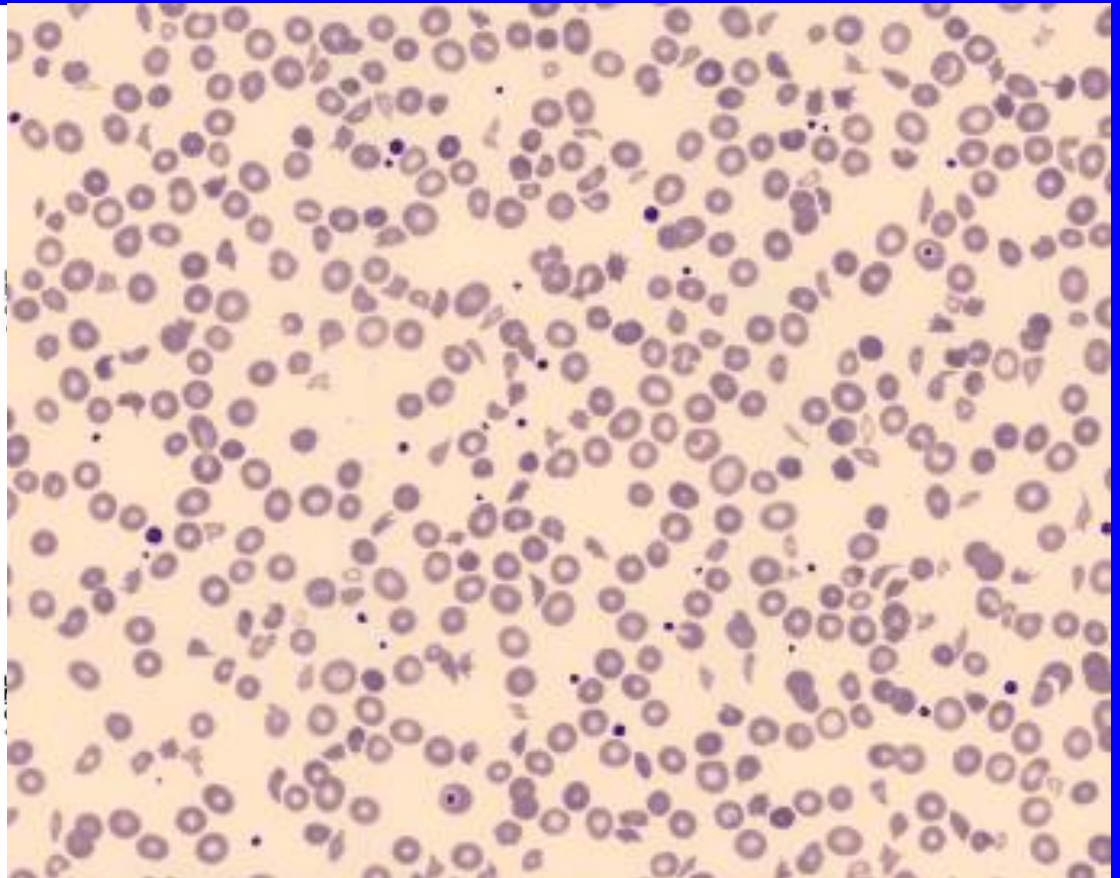
User Defined A:

User Defined B:

User Defined C:

User Defined D:

X-B In	WBC In	RBC In	PLT In	RETC In	
WBC	9.47	10e9/L	WVF	.986	
SEG	<u>7.32</u>		%S	77.2	
BAND	0.00		%BD	0.00	žena
IG	0.00		%IG	0.00	
BLST	0.00		%BL	0.00	
MONe	<u>.891</u>		%Me	9.41	
EOS	.075		%E	.792	
BASO	.037		%B	.386	
LYMe	<u>1.15</u>		%Le	12.2	
VARL	0.00		%VL	0.00	
RBC	<u>2.34s</u>	10e12/L	RBCo	<u>2.39</u>	
HGB	<u>73.3</u>	g/L	%MIC	18.0	
HCT	<u>.227s</u>	L/L	%MAC	28.8	ASYM
MCV	<u>97.2s</u>	fL	%HPO	----	
MCH	31.4s	pg	%HPR	----	
MCHC	323.s	g/L			
RDW	<u>34.3s</u>	%CV			poikilocytóza
HDW	----	%			
RETC	----	10e9/L	%R	----	
IRF	----				
NRBC	0.00	10e9/L	NRW	0.00	
MCVr	----	fL			
MCHr	----	pg			
CHCr	----	g/L			
PLTo	162.	10e9/L	PLTi	190.	
MPV	12.7*	fL	CD61	----	
PDW	<u>17.5*</u>	10(GSD)	PLTs	----	
PCT	2.07*	mL/L	PLTI	----	
%rP	----	%			



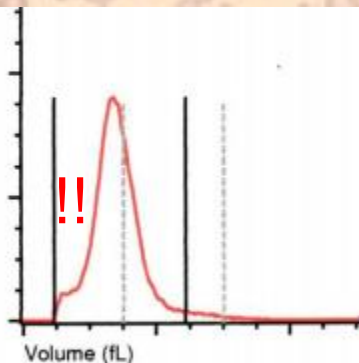
Thalassemie

User Defined B:
 User Defined C:
 User Defined D:

X-B In	WBC 2	RBC Out	PLT In	RETC Out	RET2 Out	
WBC	8.57	10e9/L	WVF	.967		*Invalid
SEG	6.34		%S	74.0		
BAND	0.00		%BD	0.00		
IG	0.00		%IG	0.00		
BLST	0.00		%BL	0.00		
MONe	.362		%Me	4.22		
EOS	.036		%E	.418		
BASO	.043		%B	.506		
LYMe	1.79		%Le	20.9		FP?
VARL	0.00		%VL	0.00		
RBC	4.88	10e12/L	RBCo	4.76		
HGB	75.6	g/L	%MIC	68.1		
HCT	266	L/L	%MAC	0.00		
MCV	54.6	fL	%HPO	----		
MCH	15.5	pg	%HPR	----		
MCHC	284	g/L				
RDW	24.3	%CV				
HDW	----	%				
RETC	----	10e9/L	%R	----		
IFE	----					
NRBC	0.00s	10e9/L	NRW	0.00s		
MCVr	----	fL				
MCHr	----	pg				
CHCr	----	g/L				
PLTo	193.*	10e9/L	PLTI	307.*		
MPV	12.4*	fL	CD61	----		
PDW	18.9*	10(GSD)	PLTs	----		
PCT	2.38*	mL/L	PLTI	----		
%fP	----	%				

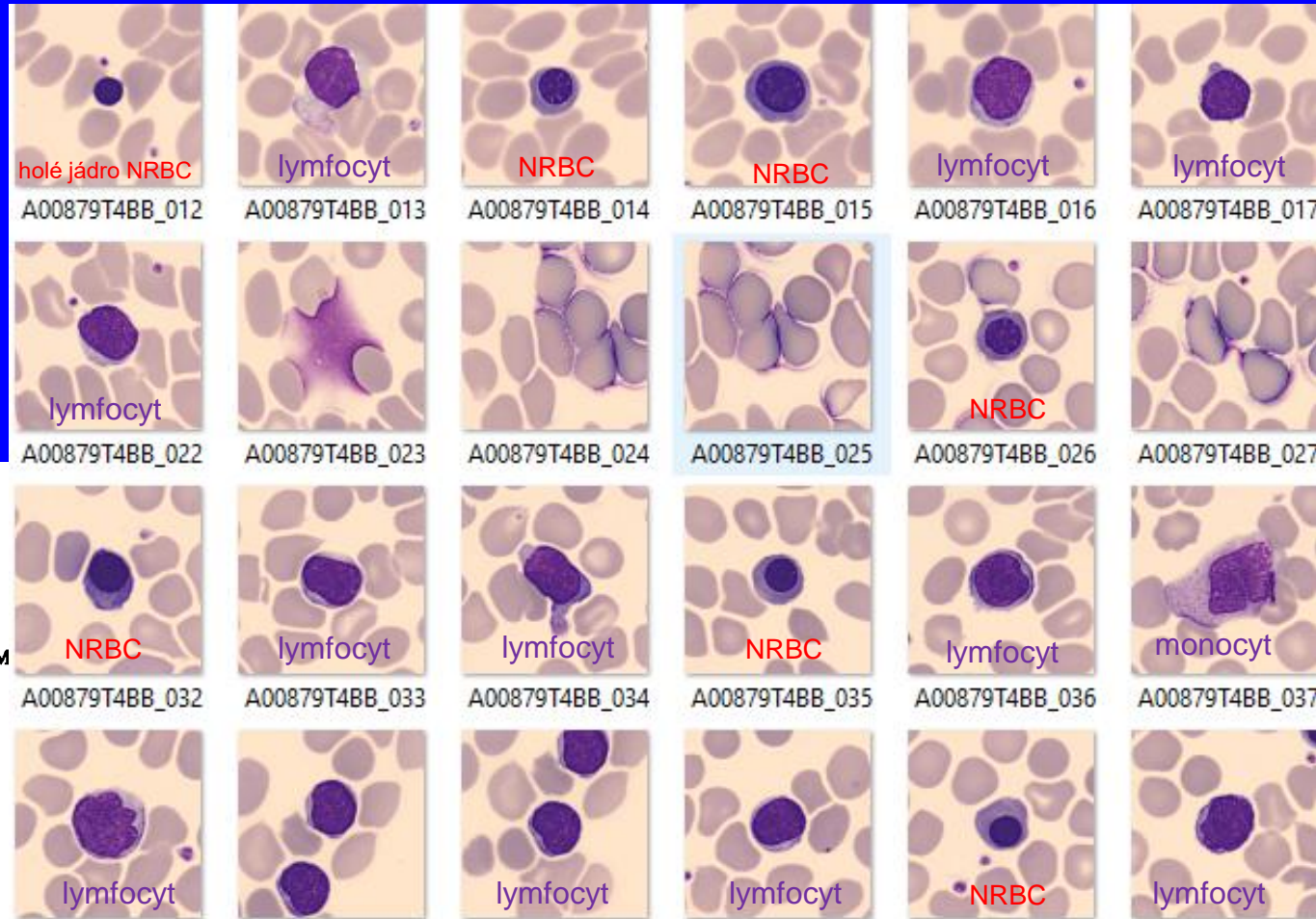
Manual Differential		RBC Morphology	
SEG	16	NORMAL	MICRO
BAND		POLYCH	MAGRO
LYMPH	20	HYPOCH	ANISO
MONO	2	POIK	BASOSTIP
EOSIN		TARGET	
BASO	2	SPHERO	NRBC

*g. stich
 Achisto*



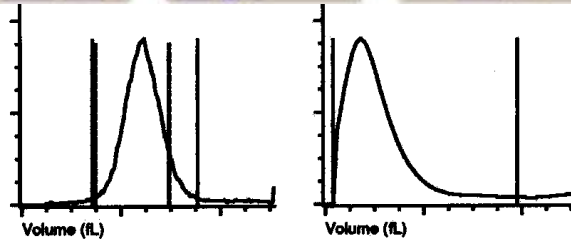
Lower, Upper, or Lower and Upper Region Interference in PLTI Histogram
 PIC/POC Delta

NRBC v periferní krvi



WBC	10.9	10e9/L	WVF	.926	
SEG	1.91		%S	17.6	
BAND	0.00		%BD	0.00	
IG	0.00		%IG	0.00	
BLST	.003		%BL	.027	BLAST
MONe	.520		%Me	4.78	
EOS	.512		%E	4.71	
BASO	.054		%B	.493	
LYMe	7.22		%Le	66.4	
VARL	.654		%VL	6.02	VARLYM
RBC	4.45	10e12/L	RBCo	4.17	
HGB	151	g/L	%MIC	2.06	
HCT	.440	L/L	%MAC	9.01	
MCV	99.0	fL	%HPO	---	
MCH	34.0	pg	%HPR	---	
MCHC	344.	g/L			
RDW	15.1	%CV			
HDW	---	%			
RETC	---	10e9/L	%R	---	
IRF	---				
NRBC	2.65	10e9/L	NRW	24.4	
MCVr	---	fL			
MCHr	---	pg			
CHCr	---	g/L			
PLTo	314.	10e9/L	PLTI	326.	
MPV	7.51	fL	CD61	---	
PDW	16.3	10(GSD)	PLTs	---	
PCT	2.36	mL/L	PLTI	---	
%rP	---	%			

Manual Differential		RBC Morphology	
SEG	RO	META	NORMAL
BAND		MYELO	POLYCH ✓
LYMPH	78	PRO	HYPOCH
MONO	5	BLAST	POIK
EOSIN	3	VARLYM	TARGET ✓
BASO		TOXGRAM	SPHERO
PLT EST	auto	PLT MORPH	NRBC 41
Comment:			
DIFF by:		Date:	

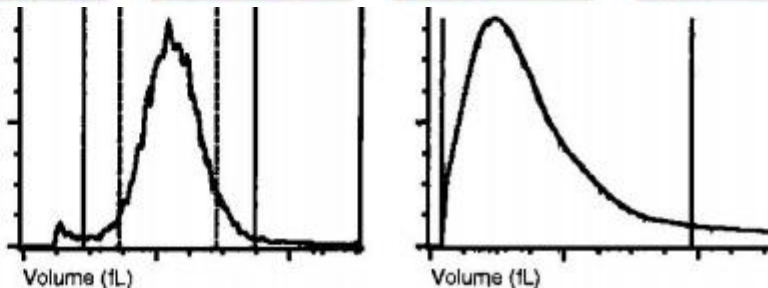
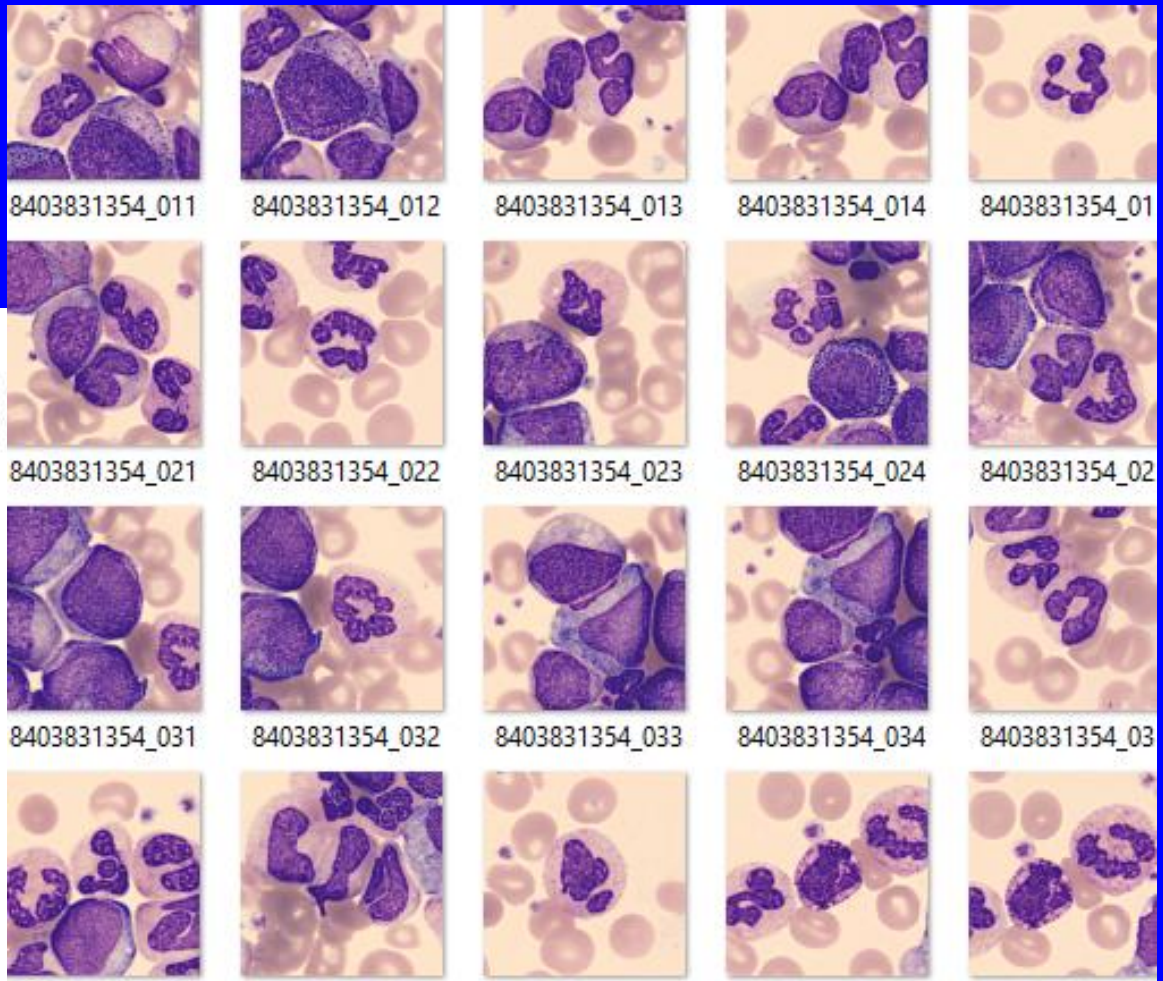


CML

WBC	342.*	10e9/L	WVF	.969
SEG	166.*		%S	48.5*
BAND	5.86*		%BD	1.71*
IG	128.*		%IG	37.4*
BLST	.052		%BL	.015
MONE	7.44		%Me	2.18
EOS	14.6*		%E	4.28*
BASO	157		%B	.046
LYMe	20.1		%Le	5.88
VARL	0.00		%VL	0.00
RBC	2.77	10e12/L	RBCo	2.83
HGB	76.9	g/L	%MIC	5.77
HCT	256	L/L	%MAC	7.00
MCV	92.5	fL	%HPO	----
MCH	27.7	pg	%HPR	----
MCHC	300.	g/L		
RDW	19.3	%CV		
HDW	----	%		
RETc	----	10e9/L	%R	----
IRF	----			
NRBC	5.91	10e9/L	NRW	1.73
MCVr	----	fL		
MCHr	----	pg		
CHCr	----	g/L		
PLTo	427.	10e9/L	PLTi	431.
MPV	9.88	fL	CD61	----
PDW	17.0	10(GSD)	PLTs	----
PCT	4.22	mL/L	PLTI	----
%rP	----	%		

BAND
IG
BLAST

!!



Unable to Find Clear Separation Between WBC Subpopulations Outside Reportable Range

Manual Differential		RBC Morphology	
SEG	29	METAL	11.5
BAND	5.5	MYELO	29.5
LYMPH	2.5	PRO	5
MONO	0.5	BLAST	10
EOSIN	4.5	VAR LYM	
BASO	2.0	TOXGRAN	
PIT EST	auto	PIT MORPH	

Test: CBC+Diff

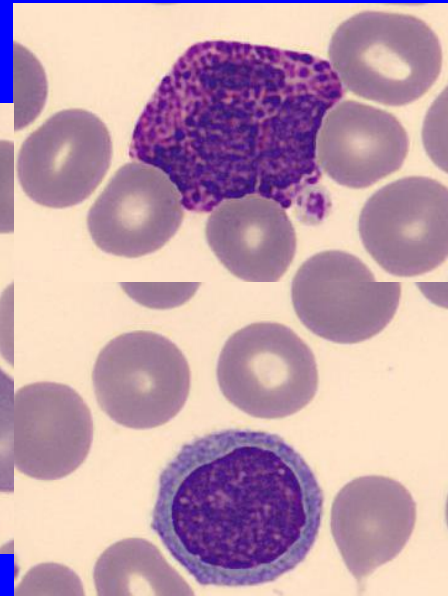
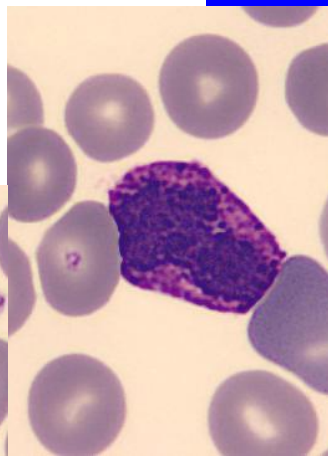
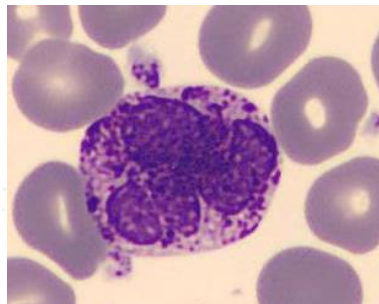
INVALID DATA

Run: 23.07.2018 13:11:48

WBC	16,5H	10e9/L	4,00-10,0
NEU	8,65H	10e9/L	2,00-7,00
LYM	2,14	10e9/L	0,80-4,00
MONO	0,71	10e9/L	0,08-1,20
EOS	,794H	10e9/L	0,00-0,50
BASO	3,43X	10e9/L	0,00-0,20
IG	,816H	10e9/L	0,00-0,10
NRBC	,153	10e9/L	0,00-999,
NR/W	,928	%	0,00-1,00
RBC	4,03	10e12/L	4,00-5,80
HGB	121,L	g/L	135,-175,
HCT	0,36L	L/L	0,40-0,50
MCV	89,3	fL	84,0-96,0
MCH	30,1	pg	28,0-34,0
MCHC	337,	g/L	320,-360,
RDW	14,1	%CV	10,0-15,2
PLT	809,H	10e9/L	150,-350,
MPV	9,77	fL	7,80-11,0

Left Shift

%N	52,3	%	45,0-70,0
%L	12,9L	%	20,0-45,0
%M	4,29	%	2,00-12,0
%E	4,80	%	0,00-5,00
%B	20,7X	%	0,00-2,00
%IG	4,93H	%	0,00-1,00



System Messages:

BAS boundary not found

CML - léčba

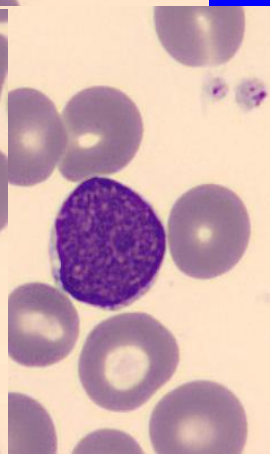
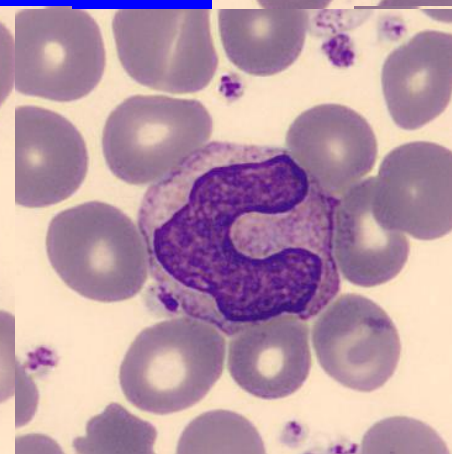
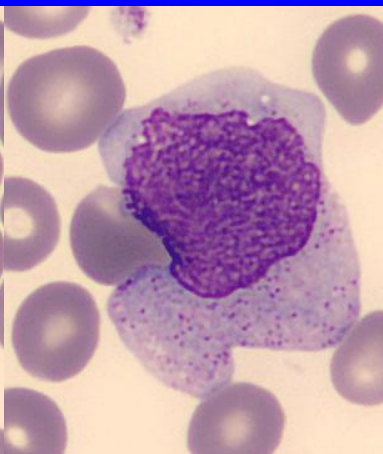
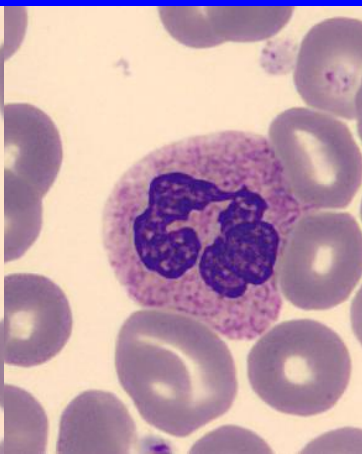
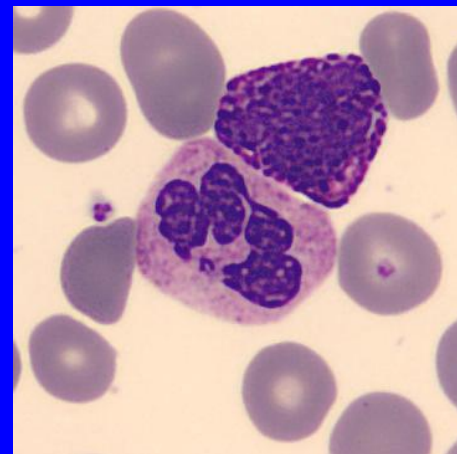
Schisto, H. - J. Lel., ovale

Manual Differential		RBC Morphology	
NEU	46	META	1
BAND	2	MYELO	2
LYMPH	12	PRO	
MONO	3	BLAST	2
EOSIN	6	VAR LYM	
BASO	26	TOXGRAN	
PLT EST		SPHERO	
		PLT MORPH	

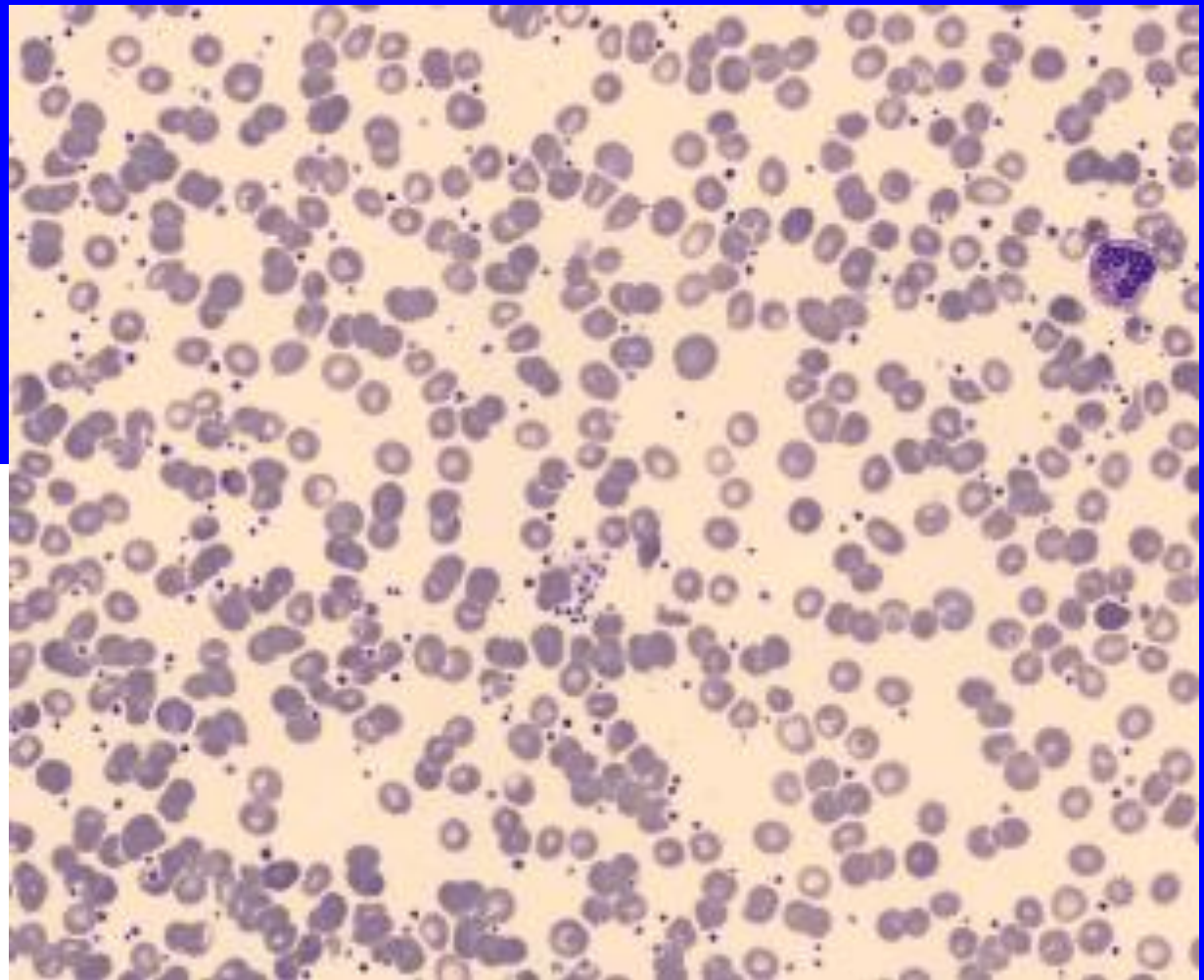
POLYCH ✓

BASOTIP ✓

NRBC 1



ET

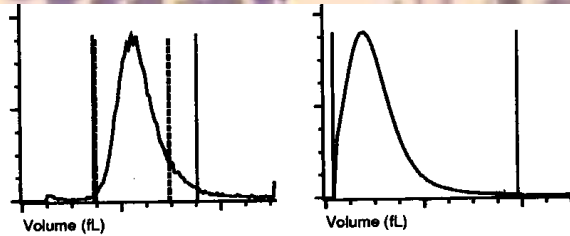


X-B In	WBC In	RBC In	PLT In	RETC In
WBC	15.9	10e9/L	WVF	.985
SEG	10.3		%S	64.9
BAND	0.00		%BD	0.00
IG	0.00		%IG	0.00
BLST	0.00		%BL	0.00
MONe	2.25		%Me	14.1
EOS	.541		%E	3.40
BASO	.031		%B	.194
LYMe	2.77		%Le	17.4
VARL	0.00		%VL	0.00
RBC	3.62	10e12/L	RBCo	3.60
HGB	112.	g/L	%MIC	1.81
HCT	345	L/L	%MAC	9.45
MCV	95.3	fL	%HPO	14.0
MCH	30.9	pg	%HPR	.249
MCHC	324.	g/L		
RDW	16.8	%CV		
HDW	10.4	%		
RETC	93.3	10e9/L	%R	2.57
IRF	.489			
NRBC	0.00	10e9/L	NRW	0.00
MCVr	98.2	fL		
MChr	26.5	pg		
CHCr	270.	g/L		
PLTo	1334	10e9/L	PLTi	1331
MPV	6.45	fL	CD61	----
PDW	15.3	10(GSD)	PLTs	----
PCT	8.61	mL/L	PLTI	----
%rP	1.66	%		

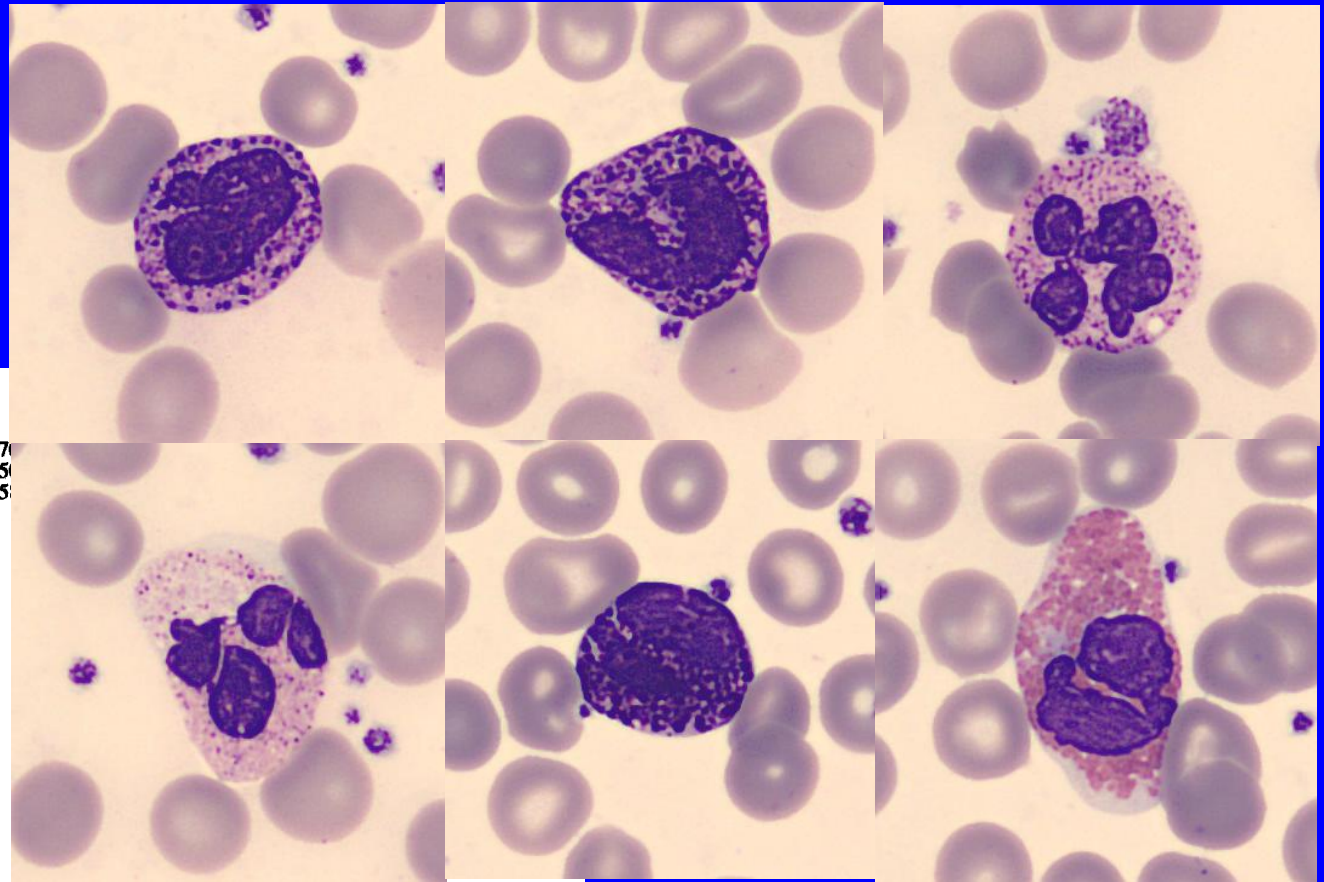


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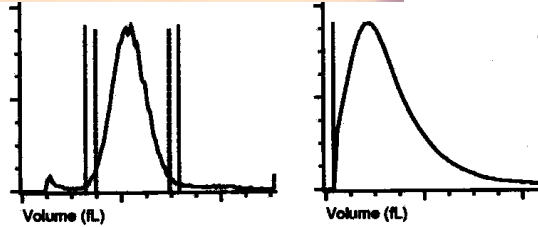
Manual Differential	RBC Morphology	
SEG 37	META 9	NORMAL
BAND 24	MYELO 5	POLYCH (circled)
LYMPH 11	PRO	MACRO (circled)
MONO 12	BLAST	HYPPOCH
EOSIN 1	VAR LYM	POIK
BASO	TOXGRAN	TARGET
PLT EST		SPHERO
Comment: ANISO HAPKRO PLT s/Plucky		NRBC
DIFF by:		PLT MORPH
Date:		



CML



2 Out	In	In	In	2 Out	*InvalidData
WBC	26.9	10e9/L	WVF	.986	
SEG	14.8		%S	55.1	
BAND	2.32		%BD	8.63	BAND 0.70
IG	1.26		%IG	4.69	IG 0.50
BLST	.006*		%BL	.022*	BLAST 0.50
MONE	1.69*		%Me	6.26*	
EOS	1.11		%E	4.14	
BASO	951		%B	3.53	
LYMe	4.74*		%Le	17.6*	FP?
VARL	0.00*		%VL	0.00*	
RBC	3.95	10e12/L	RBCo	3.89	
HGB	117	g/L	%MIC	4.57	
HCT	347	L/L	%MAC	2.77	
MCV	87.7	fL	%HPO	---	
MCH	29.6	pg	%HPR	---	
MCHC	337	g/L			
RDW	15.6	%CV			
HDW	---	%			
RETC	---	10e9/L	%R	---	
IRF	---				
NRBC	0.00s	10e9/L	NRW	0.00s	
MCVr	---	fL			
MCHr	---	pg			
CHCr	---	g/L			
PLTo	1058	10e9/L ↑	PLTI	1099	
MPV	8.26	fL	CD61	---	
PDW	17.2	10(GSD)	PLTs	---	
PCT	8.74	mL/L	PLTI	---	
%rP	---	%			



Unable to Find Clear Separation Between WBC Subpopulations

Manual Differential	RBC Morphology			
SEG 50	META 3	NORMAL	MICRO	
BAND 3	MYELO 4	POLYCH	MACRO	
LYMPH 10	PRO	HYPOCH	ANISO ✓	
MONO 8	BLAST	POIK	BASOSTIP	
EOSIN 3	VAR LYM	TARGET		
BASO !! 21	TOX GRAN	SPHERO	NRBC	
PLT EST	Auto, mature	PLT MORPH		

Comment: *hypomyeloblasts, hypogranulocel, vacuolated*
 DIFF by: *[Signature]* Date: *[Signature]*
Průhledněm pláštěmí malven + blast.