

# Krevní obrazy

*procvičování hodnocení*

Bourková L., OKH FN Brno



# Při hodnocení sledovat

- vyšetření poprvé / opakovaně
- typ diagnózy
- pacient: ambulantní, lůžkové odd., JIP...
- vyšetření rutinní, statimové, speciální, vitální indikace
- výsledky jsou mimo referenční rozmezí
- náhlé změny v KO
- interference
- patologická hlášení
- správný odběr, typ vyšetřovaného materiálu

# Laboratorní informační systém

|  |       |               |             |
|--|-------|---------------|-------------|
| Pojišťovna...111                         | VZP   | BM...         | .....       |
| Oddělení....33293                        | Zo..E | .....         | .....       |
| Lékař.....72100059                       |       | .....         | .....       |
| Diagnóza.....D471                        |       | .....         | Výška [cm]  |
| F1 Komentář.....                         |       | .....         | Váha [kg]   |
| ---Dat.nar.----- 5/ 9/1943-Ž- (M/Ž)----- |       |               |             |
| F9 VYŠETŘENÍ.....                        |       | F3 Sign(+-) * | 11636/21/02 |

|              |             |             |            |              |              |
|--------------|-------------|-------------|------------|--------------|--------------|
| KO = 0       | MPV = 9.30  | MONO= 1.08  | Eos9= 2.00 | NRBC= 9      | LGLh= 4      |
| WBC = 9.18   | PCT = 2.80  | EOS = 0.13  | Bas9= 3.00 | HodE=polychr | = 0.26       |
| RBC = 3.85   | PDW = 10.00 | BASO= 0.31  | META= 8.00 | HodL=hypogra | AKRE=        |
| HGB = 115.00 | NEU%= 69.10 | NRBC= 0.71  | MYEL= 6.00 | HodL=        | AU =XE-5000  |
| HCT = 0.33   | LYM%= 14.30 | NR/W= 7.70  | PROM= 0.00 | HodP=anizo P | KOME=Left Sh |
| MCV = 86.20  | MON%= 11.80 | Dif         | MYBL= 0.00 | Dif:=RNDr. L | = 0          |
| PLT = 299.00 | EOS%= 1.40  | Neu9= 52.00 | Prol= 0.00 | Dif:=        | K_LA= 198    |
| MCH = 29.90  | BAS%= 3.40  | Ban9= 13.00 | Plb = 0.00 | Dif:=        | K_S = 44     |
| MCHC= 346.00 | NEU = 6.35  | Lym9= 12.00 | NeBu= 0.00 | H100= 100.00 | SUIT= 12939  |
| RDW = 17.80  | LYM = 1.31  | Mon9= 3.00  | NeBl= 1.00 | LGL = 0.367  | UPO =Výsledk |

# Laboratorní informační systém – historie vyšetření

| 21/02/2014   | 10/01/2014   | 27/11/2013 | 27/11/2013   | 27/11/2013 | 25/10/2013   |
|--------------|--------------|------------|--------------|------------|--------------|
| WBC = 9.18   | WBC = 10.30  |            | WBC = 11.30  |            | WBC = 9.33   |
| RBC = 3.85   | RBC = 3.52   |            | RBC = 3.68   |            | RBC = 3.36   |
| HGB = 115.00 | HGB = 110.00 |            | HGB = 108.00 |            | HGB = 102.00 |
| HCT = 0.33   | HCT = 0.30   |            | HCT = 0.31   |            | HCT = 0.29   |
| MCV = 86.20  | MCV = 86.10  |            | MCV = 84.50  |            | MCV = 86.30  |
| PLT = 299.00 | PLT = 362.00 |            | PLT = 423.00 |            | PLT = 352.00 |
| MCH = 29.90  | MCH = 31.10  |            | MCH = 29.30  |            | MCH = 30.40  |
| MCHC= 346.00 | MCHC= 361.00 |            | MCHC= 347.00 |            | MCHC= 352.00 |
| RDW = 17.80  | RDW = 16.90  |            | RDW = 17.00  |            | RDW = 17.40  |
| MPV = 9.30   | MPV = 7.18   |            | MPV = 6.95   |            | MPV = 8.90   |
| PCT = 2.80   | PCT = 2.60   |            | PCT = 2.94   |            | PCT = 3.10   |
| PDW = 10.00  | PDW = 16.70  |            | PDW = 17.00  |            | PDW = 9.30   |
| NEU = 6.35   | NEU = 7.82   |            | NEU = 7.35   |            | NEU = 6.63   |
| LYM = 1.31   | LYM = 1.54   |            | LYM = 2.66   |            | LYM = 1.14   |
| MONO= 1.08   | MONO= 0.82   |            | MONO= 1.10   |            | MONO= 1.11   |
| EOS = 0.13   | EOS = 0.09   |            | EOS = 0.11   |            | EOS = 0.17   |
| BASO= 0.31   | BASO= 0.01   |            | BASO= 0.04   |            | BASO= 0.28   |
| NEU%= 69.10  | NEU%= 76.00  |            | NEU%= 65.30  |            | NEU%= 71.10  |
| LYM%= 14.30  | LYM%= 14.90  |            | LYM%= 23.60  |            | LYM%= 12.20  |
| MON%= 11.80  | MON%= 8.00   |            | MON%= 9.81   |            | MON%= 11.90  |
| EOS%= 1.40   | EOS%= 0.90   |            | EOS%= 0.95   |            | EOS%= 1.80   |

Komentář

konc=ESC

F2=Tisk

F5=Filtr metod

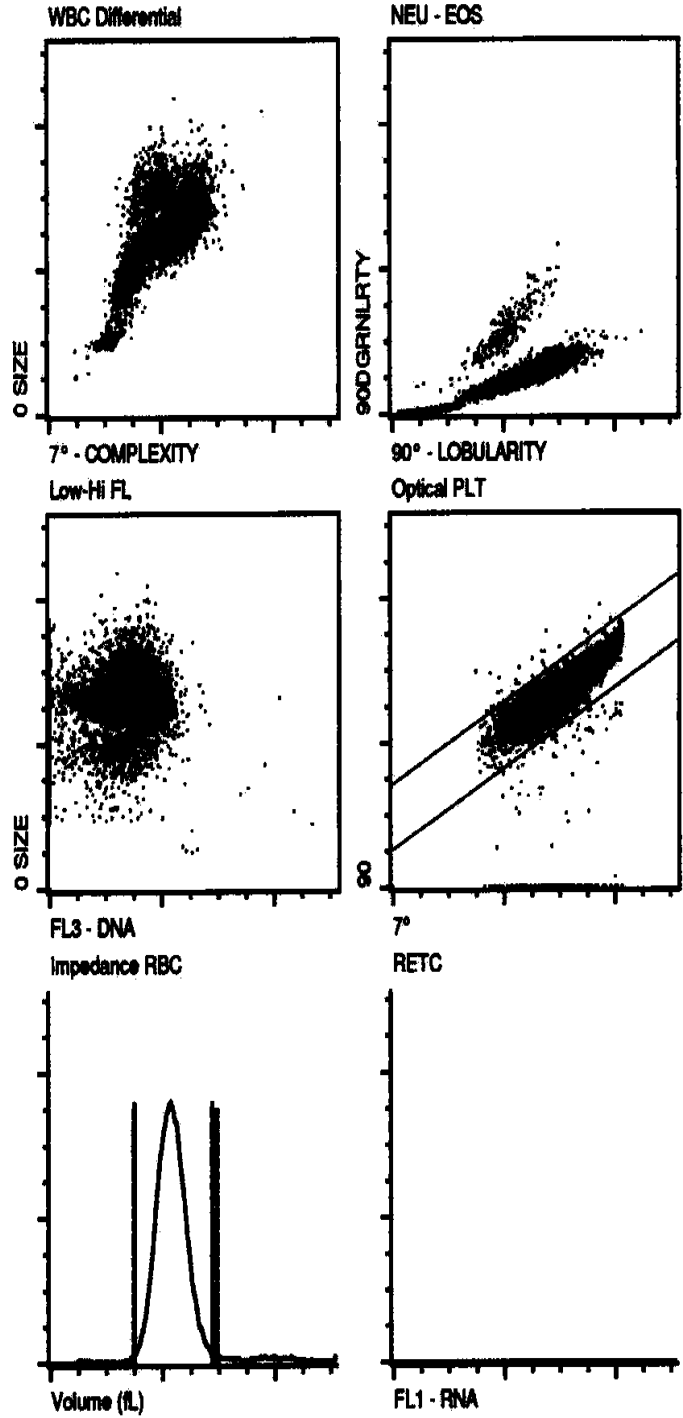
<- ->

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

|      |      |        |    |      |
|------|------|--------|----|------|
| WBC  | 9.36 | 10e9/L |    |      |
| NEU  | 5.55 |        | %N | 59.3 |
| LYM  | 2.40 |        | %L | 25.6 |
| MONO | .896 |        | %M | 9.57 |
| EOS  | .450 |        | %E | 4.81 |
| BASO | .066 |        | %B | .703 |

|      |      |         |      |      |
|------|------|---------|------|------|
| RBC  | 4.28 | 10e12/L |      |      |
| HGB  | 138. | g/L     |      |      |
| HCT  | .373 | L/L     |      |      |
| MCV  | 87.1 | fL      |      |      |
| MCH  | 32.3 | pg      |      |      |
| MCHC | 371. | g/L     |      |      |
| RDW  | 11.6 | %CV     |      |      |
| RETc | ---  | 10e9/L  | %R   | ---  |
| IRF  | ---  |         |      |      |
| NRBC | 0.00 | 10e9/L  | NR/W | 0.00 |

|     |      |        |
|-----|------|--------|
| PLT | 190. | 10e9/L |
| MPV | 8.53 | fL     |



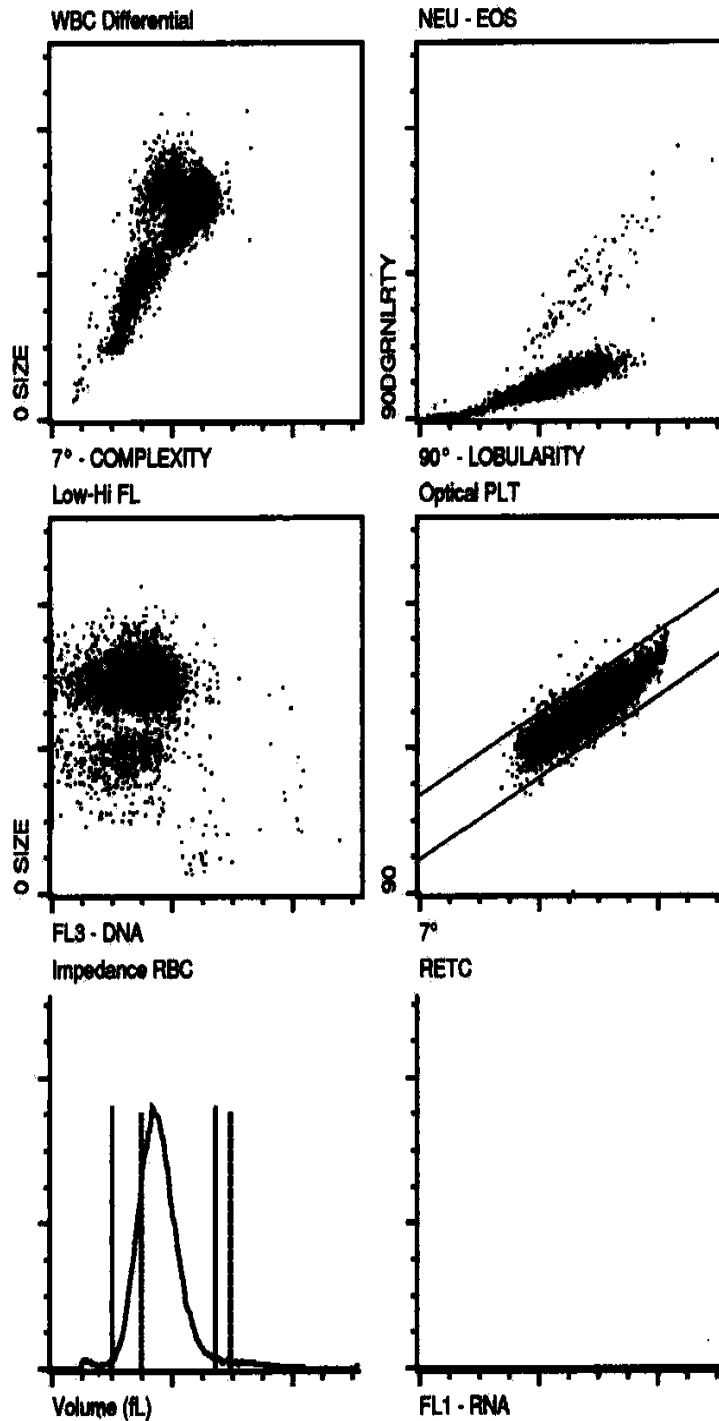
KO v normě



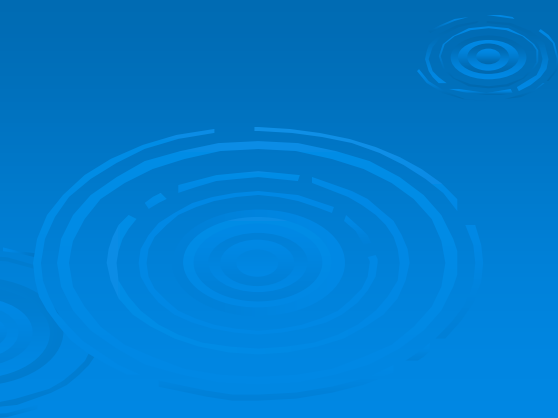
DOB: 06/17/27  
 Sex: F  
 Doctor: 0589/26/04/2011  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

|      |      |        |    |      |
|------|------|--------|----|------|
| WBC  | 8.02 | 10e9/L |    |      |
| NEU  | 5.34 |        | %N | 66.6 |
| LYM  | 1.61 |        | %L | 20.1 |
| MONO | .836 |        | %M | 10.4 |
| EOS  | .171 |        | %E | 2.14 |
| BASO | .060 |        | %B | .749 |

|      |      |         |     |      |
|------|------|---------|-----|------|
| RBC  | 3.97 | 10e12/L |     |      |
| HGB  | 88.7 | g/L     |     |      |
| HCT  | 282  | L/L     |     |      |
| MCV  | 71.1 | fL      |     |      |
| MCH  | 22.3 | pg      |     |      |
| MCHC | 314. | g/L     |     |      |
| RDW  | 17.4 | %CV     |     |      |
| RETC | ---  | 10e9/L  | %R  | ---  |
| IRF  | ---  |         |     |      |
| NRBC | 0.00 | 10e9/L  | NRW | 0.00 |
| PLT  | 499. | 10e9/L  |     |      |
| MPV  | 9.05 | fL      |     |      |



patologický KO

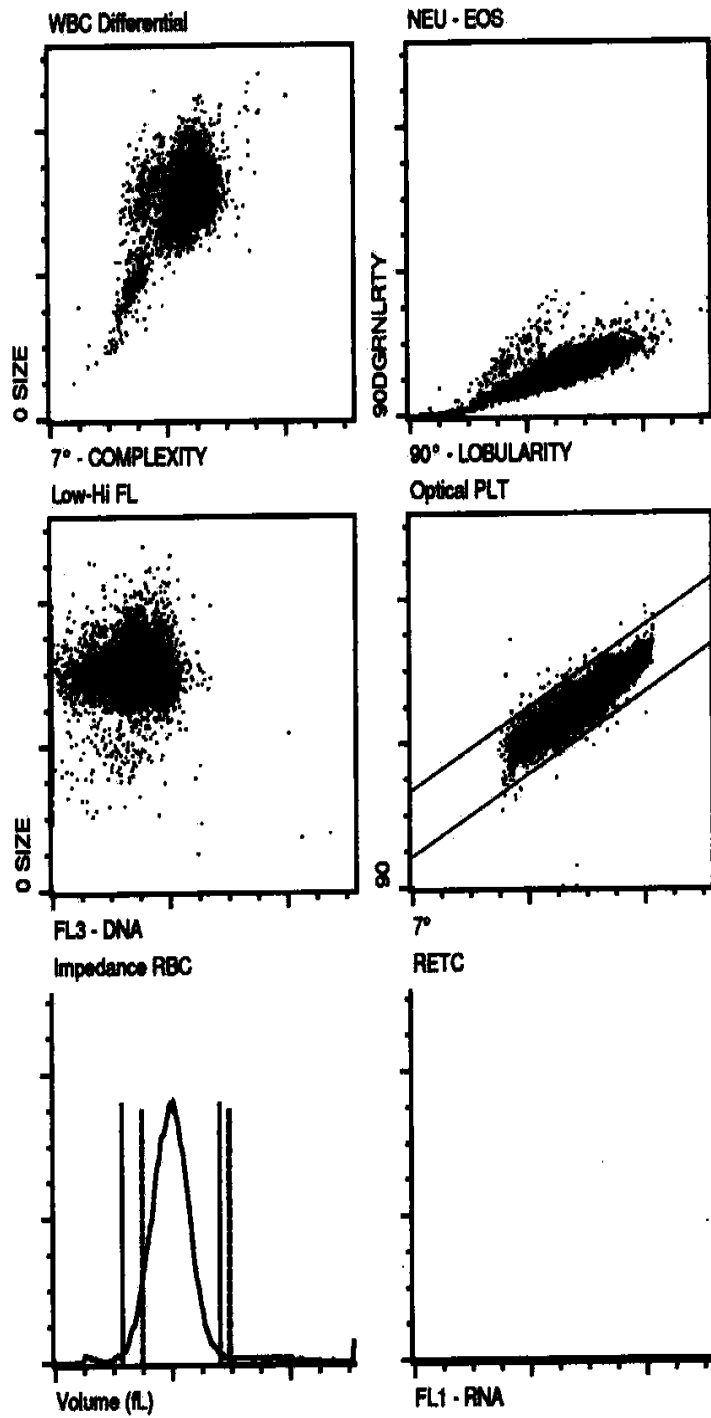


DOB: 09/05/56  
 Sex: F  
 Doctor: 0542/26/04/2011  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

|      |              |        |    |              |
|------|--------------|--------|----|--------------|
| WBC  | <u>25.4</u>  | 10e9/L |    |              |
| NEU  | <u>21.9s</u> |        | %N | <u>86.3s</u> |
| LYM  | <u>1.28</u>  |        | %L | <u>5.06</u>  |
| MONO | <u>1.57</u>  |        | %M | <u>6.19</u>  |
| EOS  | <u>.616</u>  |        | %E | <u>2.43</u>  |
| BASO | <u>.014</u>  |        | %B | <u>.055</u>  |

|      |             |         |     |      |
|------|-------------|---------|-----|------|
| RBC  | <u>3.08</u> | 10e12/L |     |      |
| HGB  | <u>82.1</u> | g/L     |     |      |
| HCT  | <u>244</u>  | L/L     |     |      |
| MCV  | <u>79.3</u> | fL      |     |      |
| MCH  | <u>26.7</u> | pg      |     |      |
| MCHC | <u>337.</u> | g/L     |     |      |
| RDW  | <u>15.5</u> | %CV     |     |      |
| RETC | ---         | 10e9/L  | %R  | ---  |
| IRF  | ---         |         |     |      |
| NRBC | 0.00        | 10e9/L  | NRW | 0.00 |

|     |             |        |
|-----|-------------|--------|
| PLT | <u>256.</u> | 10e9/L |
| MPV | <u>8.75</u> | fL     |



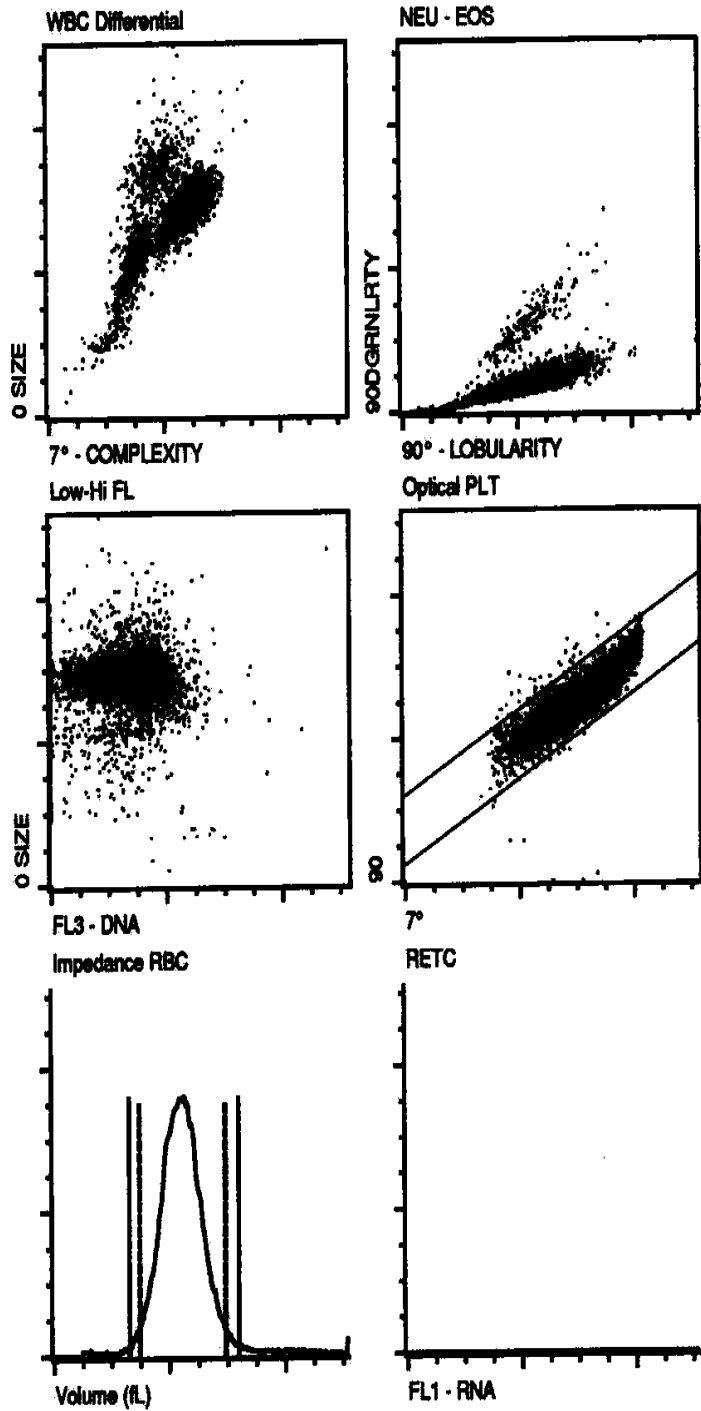
patologický KO

DOB: 26/02/48  
 Sex: M  
 Doctor: 0509/26/04/2011  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

|      |             |        |    |             |
|------|-------------|--------|----|-------------|
| WBC  | <u>11.6</u> | 10e9/L |    |             |
| NEU  | <u>9.31</u> |        | %N | <u>80.1</u> |
| LYM  | <u>1.30</u> |        | %L | <u>11.2</u> |
| MONO | <u>.526</u> |        | %M | <u>4.53</u> |
| EOS  | <u>.461</u> |        | %E | <u>3.97</u> |
| BASO | <u>.027</u> |        | %B | <u>.233</u> |

|      |             |         |     |             |
|------|-------------|---------|-----|-------------|
| RBC  | <u>2.94</u> | 10e12/L |     |             |
| HGB  | <u>86.3</u> | g/L     |     |             |
| HCT  | <u>.263</u> | L/L     |     |             |
| MCV  | <u>89.3</u> | fL      |     |             |
| MCH  | <u>29.3</u> | pg      |     |             |
| MCHC | <u>329.</u> | g/L     |     |             |
| RDW  | <u>15.4</u> | %CV     |     |             |
| RETC | ---         | 10e9/L  | %R  | ---         |
| IRF  | ---         |         |     |             |
| NRBC | <u>0.00</u> | 10e9/L  | NRW | <u>0.00</u> |

|     |             |        |
|-----|-------------|--------|
| PLT | <u>99.0</u> | 10e9/L |
| MPV | <u>10.7</u> | fL     |



4M

patologický KO

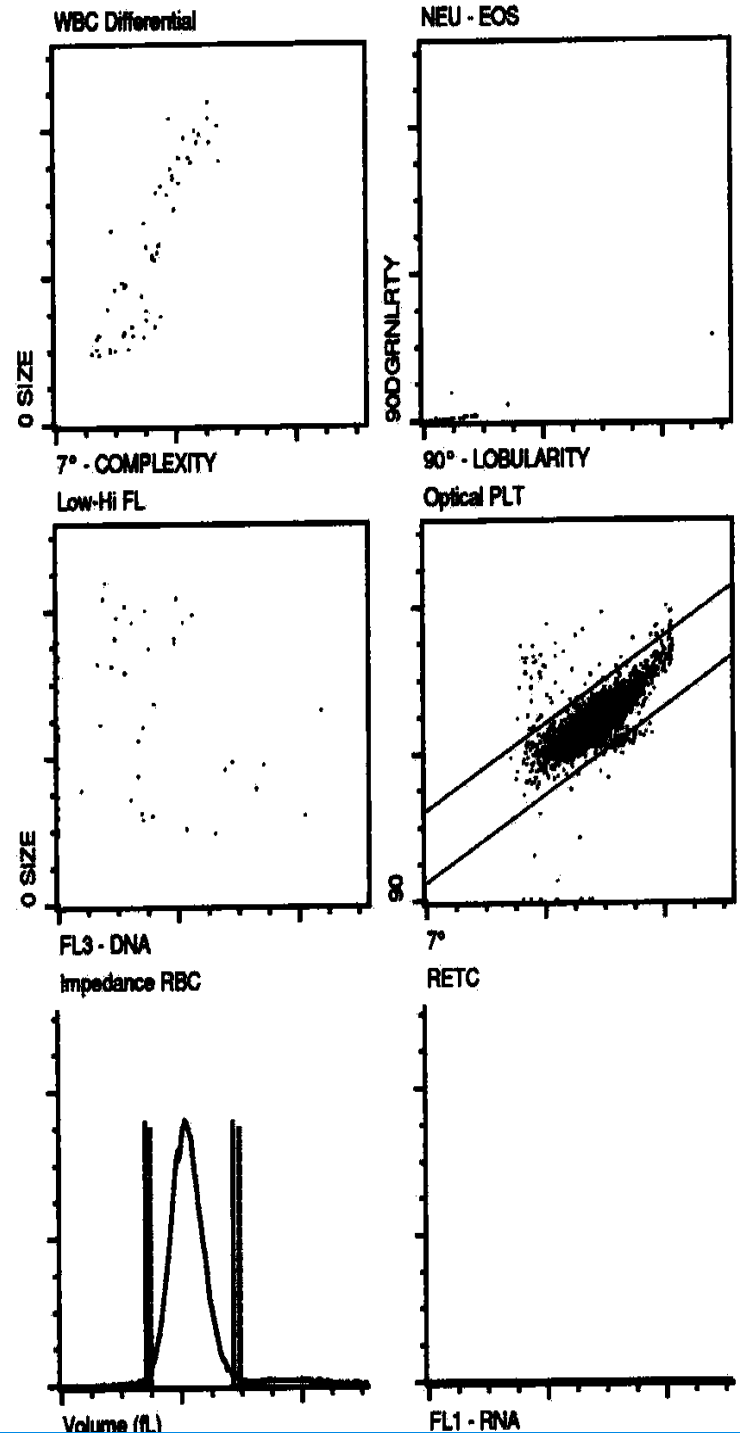




DOB: 14/02/48  
 Sex: F  
 Doctor: 0582/26/04/2011  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

|      |              |        |    |              |
|------|--------------|--------|----|--------------|
| WBC  | <u>.068</u>  | 10e9/L |    |              |
| NEU  | <u>.006</u>  |        | %N | <u>9.52</u>  |
| LYM  | <u>.045s</u> |        | %L | <u>66.7s</u> |
| MONO | <u>.016s</u> |        | %M | <u>23.8s</u> |
| EOS  | 0.00         |        | %E | 0.00         |
| BASO | 0.00         |        | %B | 0.00         |

|      |             |         |     |      |
|------|-------------|---------|-----|------|
| RBC  | <u>3.77</u> | 10e12/L |     |      |
| HGB  | <u>112.</u> | g/L     |     |      |
| HCT  | <u>319</u>  | L/L     |     |      |
| MCV  | 84.8        | fL      |     |      |
| MCH  | 29.8        | pg      |     |      |
| MCHC | 351.        | g/L     |     |      |
| RDW  | 12.5        | %CV     |     |      |
| RETC | ---         | 10e9/L  | %R  | ---  |
| IRF  | ---         |         |     |      |
| NRBC | 0.00        | 10e9/L  | NRW | 0.00 |
| PLT  | <u>21.8</u> | 10e9/L  |     |      |
| MPV  | 10.3        | fL      |     |      |



patologický KO

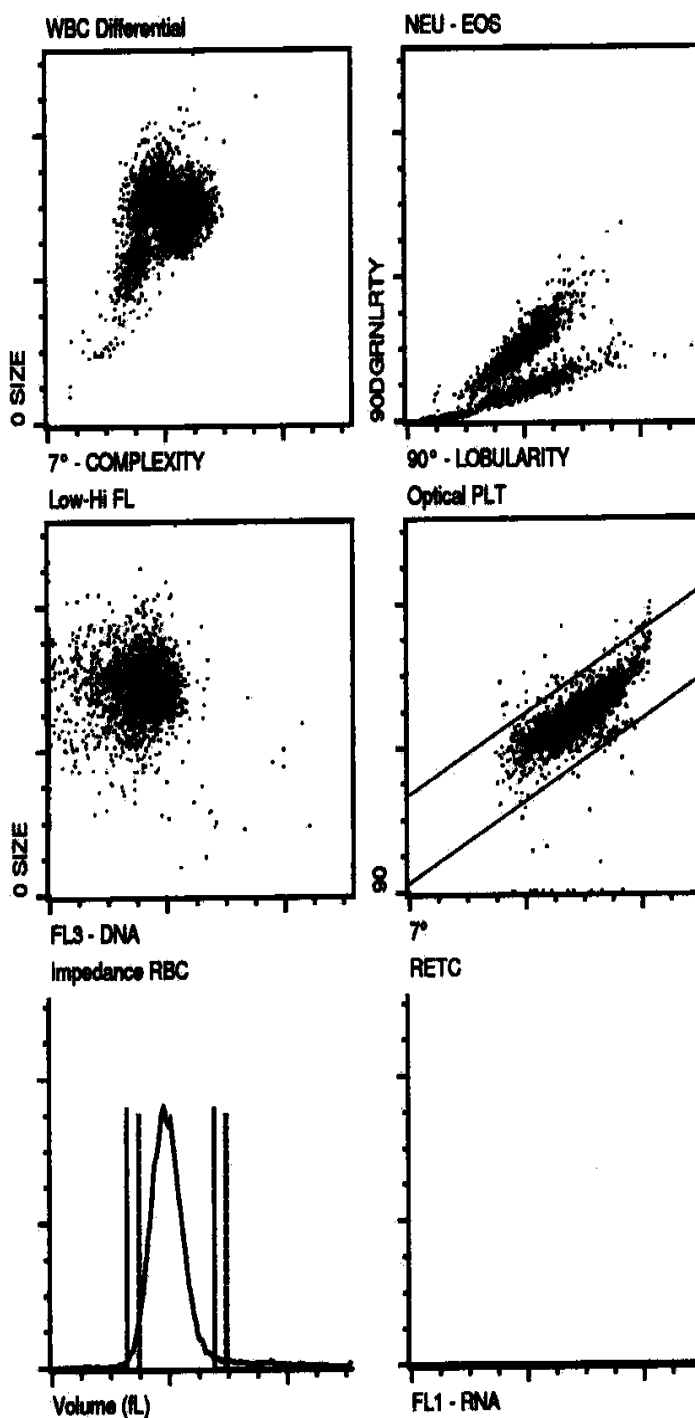


DOB: 22/02/64  
 Sex: F  
 Doctor: 0580/26/04/2011  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

WBC 3.83 10e9/L  
 NEU 935 %N 24.4  
 LYM 744 %L 19.4  
 MONO 724s %M 18.9s  
 EOS 1.42 %E 37.1  
 BASO .008 %B .222

RBC 2.96 10e12/L  
 HGB 86.1 g/L  
 HCT 235 L/L  
 MCV 79.2 fL  
 MCH 29.1 pg  
 MCHC 367. g/L  
 RDW 13.4 %CV  
 RETC --- 10e9/L %R ---  
 IRF ---  
 NRBC 0.00 10e9/L NRW 0.00

PLT 24.1 10e9/L  
 MPV 9.71 fL



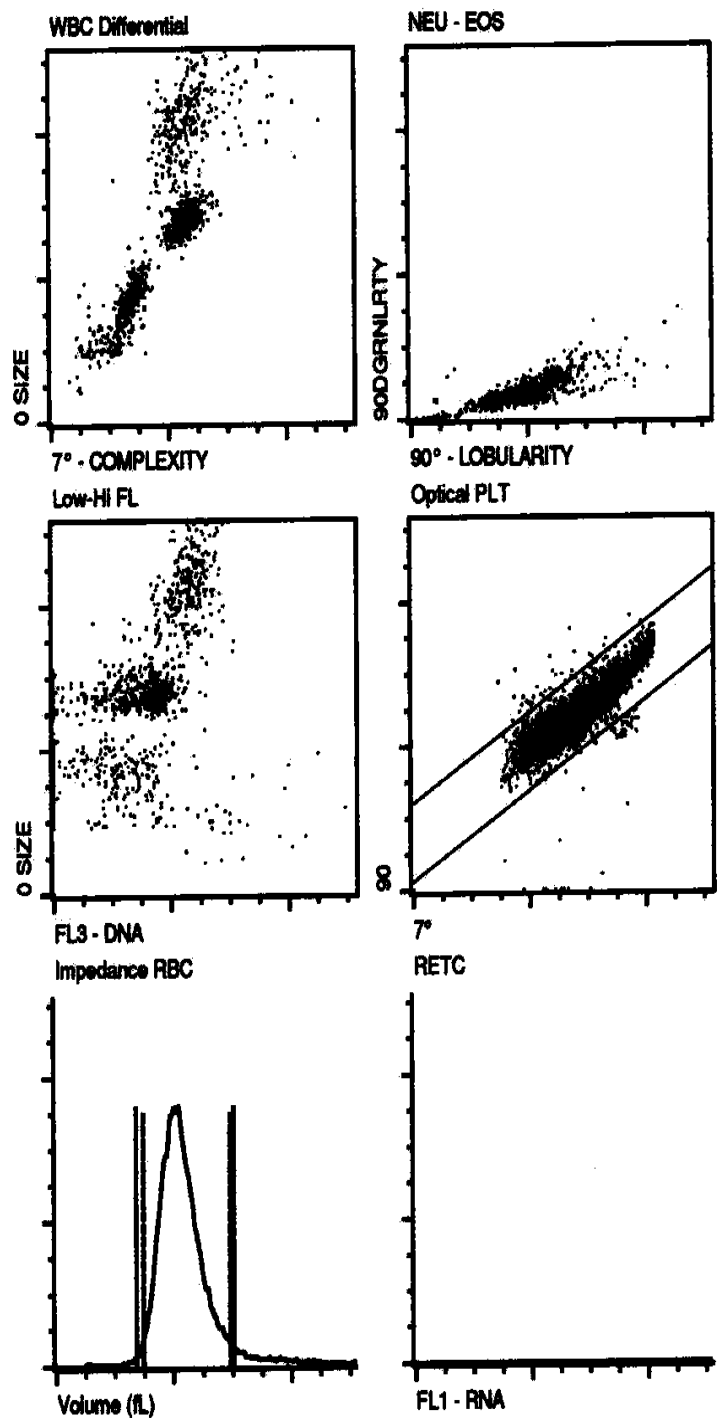
patologický KO

DOB: 19/08/46  
 Sex: M  
 Doctor: 0579/26/04/2011  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

WBC 1.68 10e9/L  
 NEU 1.15s %N 68.4s  
 LYM .495 %L 29.5  
 MONO .025 %M 1.49  
 EOS .007 %E .397  
 BASO .005 %B .298

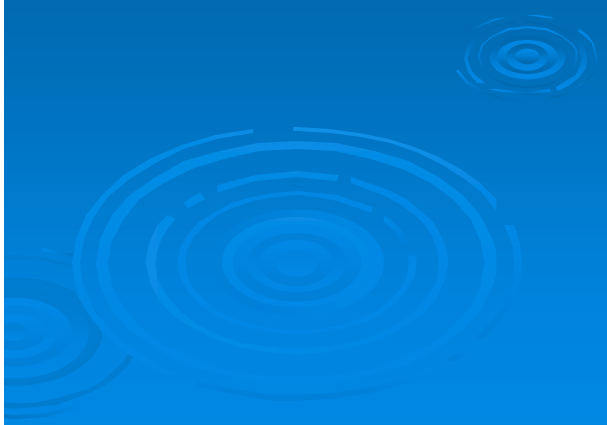
RBC 3.31 10e12/L  
 HGB 106. g/L  
 HCT .283 L/L  
 MCV 85.4 fL  
 MCH 31.9 pg  
 MCHC 373. g/L  
 RDW 15.1 %CV  
 RETC --- 10e9/L %R ---  
 IRF ---  
 NRBC 0.00 10e9/L NRW 0.00

PLT 58.4 10e9/L  
 MPV 8.47 fL



7M

patologický KO

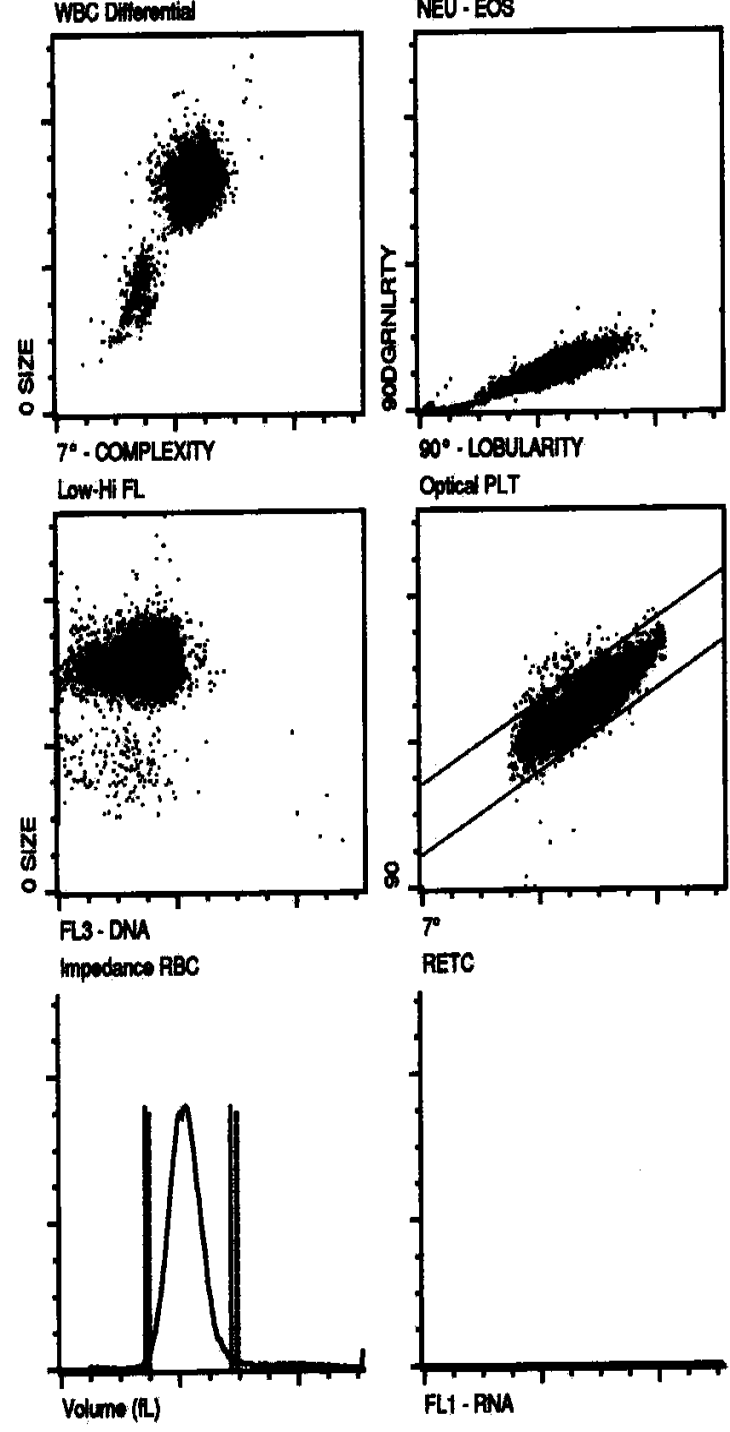


Sex:  
 Doctor:  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

|      |              |        |              |  |
|------|--------------|--------|--------------|--|
| WBC  | <u>20.1</u>  | 10e9/L |              |  |
| NEU  | <u>18.3s</u> | %N     | <u>90.8s</u> |  |
| LYM  | 1.38         | %L     | <u>6.88</u>  |  |
| MONO | .437         | %M     | 2.17         |  |
| EOS  | .025         | %E     | .123         |  |
| BASO | .004         | %B     | .019         |  |

|      |             |         |     |      |
|------|-------------|---------|-----|------|
| RBC  | <u>2.77</u> | 10e12/L |     |      |
| HGB  | <u>84.8</u> | g/L     |     |      |
| HCT  | <u>235</u>  | L/L     |     |      |
| MCV  | 84.8        | fL      |     |      |
| MCH  | 30.6        | pg      |     |      |
| MCHC | 361.        | g/L     |     |      |
| RDW  | 12.4        | %CV     |     |      |
| RETC | ---         | 10e9/L  | %R  | ---  |
| IRF  | ---         |         |     |      |
| NRBC | 0.00        | 10e9/L  | NRW | 0.00 |

|     |             |        |
|-----|-------------|--------|
| PLT | <u>122.</u> | 10e9/L |
| MPV | <u>7.47</u> | fL     |



patologický KO

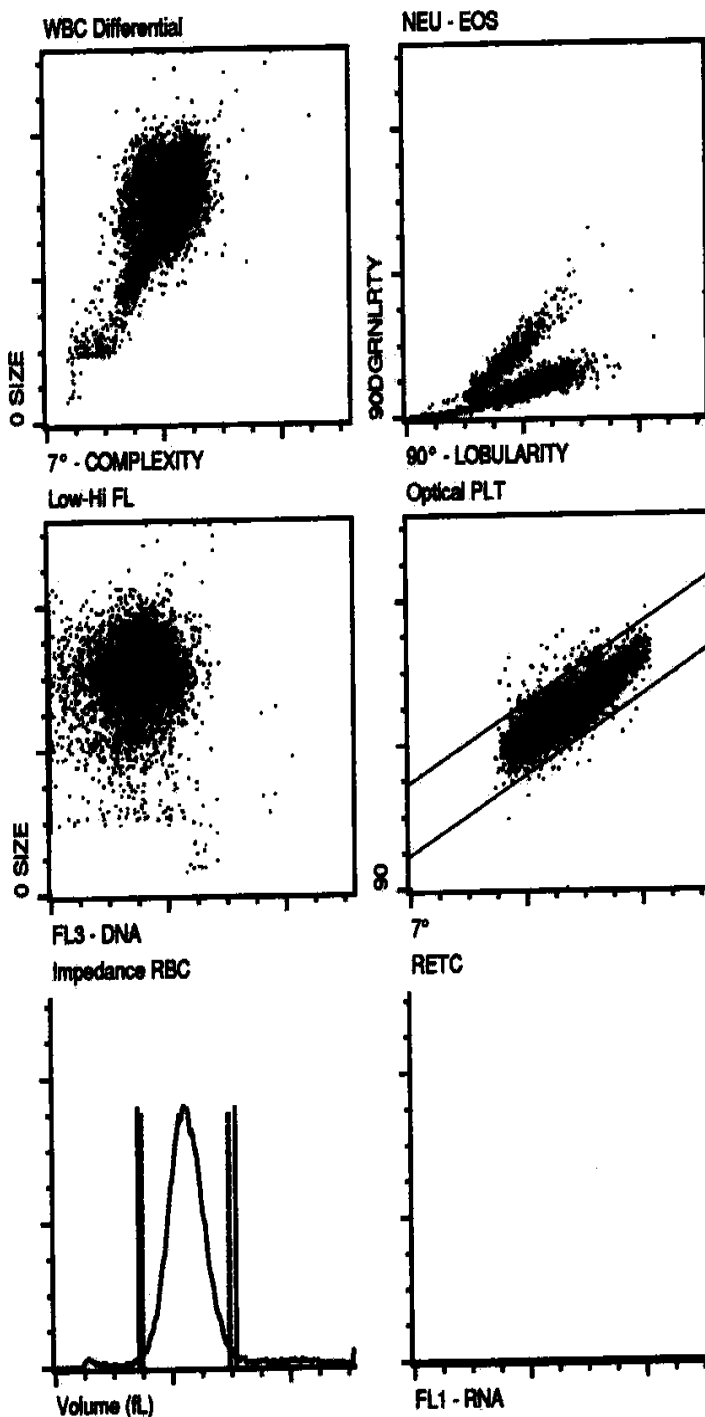


DOB: 13/09/72  
 Sex: M  
 Doctor: 0514/26/04/2011  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

|      |             |        |    |             |
|------|-------------|--------|----|-------------|
| WBC  | <u>15.4</u> | 10e9/L |    |             |
| NEU  | <u>9.94</u> |        | %N | 64.6        |
| LYM  | 1.88        |        | %L | <u>12.2</u> |
| MONO | <u>2.01</u> |        | %M | <u>13.1</u> |
| EOS  | <u>1.53</u> |        | %E | <u>9.94</u> |
| BASO | .030        |        | %B | .193        |

|      |             |         |      |      |
|------|-------------|---------|------|------|
| RBC  | <u>3.27</u> | 10e12/L |      |      |
| HGB  | <u>101</u>  | g/L     |      |      |
| HCT  | <u>296</u>  | L/L     |      |      |
| MCV  | 90.6        | fL      |      |      |
| MCH  | 30.7        | pg      |      |      |
| MCHC | 339.        | g/L     |      |      |
| RDW  | 13.2        | %CV     |      |      |
| RETc | ---         | 10e9/L  | %R   | ---  |
| IRF  | ---         |         |      |      |
| NRBC | 0.00        | 10e9/L  | NR/W | 0.00 |

|     |             |        |
|-----|-------------|--------|
| PLT | <u>832</u>  | 10e9/L |
| MPV | <u>6.88</u> | fL     |



9M

patologický KO

WBC 13.00 + [10<sup>9</sup>/L]

NEUT [10<sup>9</sup>/L]      [%]

LYMPH [10<sup>9</sup>/L]      [%]

MONO [10<sup>9</sup>/L]      [%]

EO [10<sup>9</sup>/L]      [%]

BASO [10<sup>9</sup>/L]      [%]

IG [10<sup>9</sup>/L]      [%]

RBC 3.01 - [10<sup>12</sup>/L]

HGB 89 - [g/L]

HCT 0.267 - [Ratio]

MCV 88.7 [fL]

MCH 29.6 [pg]

MCHC 333 [g/L]

RDW-CV 16.2 + [%]

RET [10<sup>9</sup>/L]      [%]

IRF [Ratio]

RET-He [pg]

IPF [%]

NRBC [10<sup>9</sup>/L]      [100WBC]

PLT 183 \* [10<sup>9</sup>/L]

MPV 13.3 \* [fL]

PDW 21.9 \* [fL]

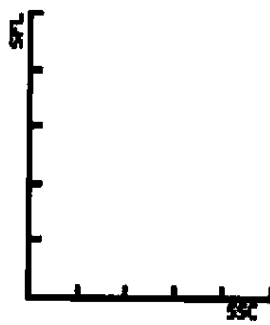
PCT 0.24 \* [%]

WBC IP Message(s)

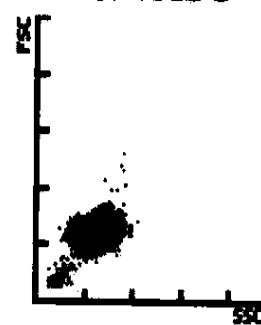
PLT Abn Distribution

PLT Clumps(S)?

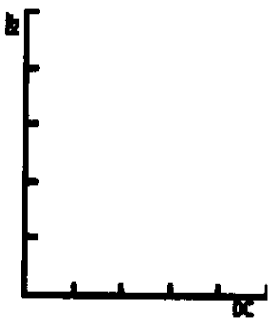
DIFF



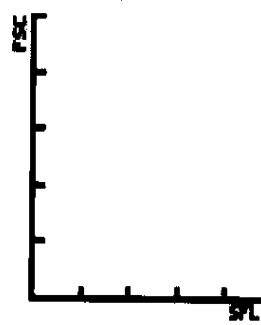
WBC/BASO



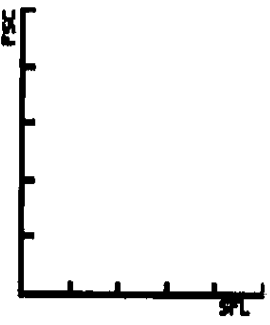
IMI



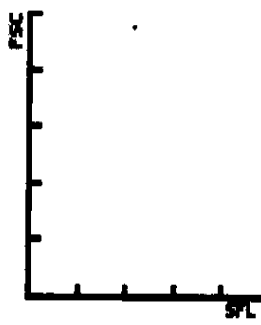
NRBC



RET



PLT-O



RBC



PLT



Dg:  
mnohočetný  
myelom

Manual Diff      RBC morf.

SEG \_\_\_\_\_ META \_\_\_\_\_ NORMAL \_\_\_\_\_ MICRO \_\_\_\_\_

BAND \_\_\_\_\_ MYELO \_\_\_\_\_ POLYCH \_\_\_\_\_ MAKRO \_\_\_\_\_

LYMPH \_\_\_\_\_ PRO \_\_\_\_\_ HYPOCH \_\_\_\_\_ ANISO \_\_\_\_\_

MONO \_\_\_\_\_ BLAST \_\_\_\_\_ POIK \_\_\_\_\_ BASOtin \_\_\_\_\_

11M

WBC 0.00 - [10^9/L]

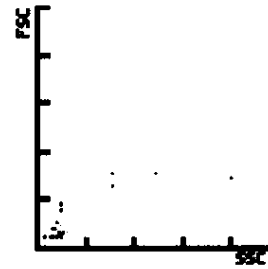
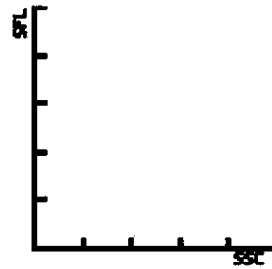
WBC IP Message(s)

DIFF

WBC/BASO

|       |          |     |
|-------|----------|-----|
| NEUT  | [10^9/L] | [%] |
| LYMPH | [10^9/L] | [%] |
| MONO  | [10^9/L] | [%] |
| EO    | [10^9/L] | [%] |
| BASO  | [10^9/L] | [%] |
| IG    | [10^9/L] | [%] |

WBC Abn Scattergram

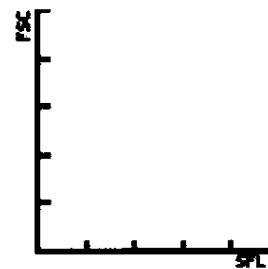
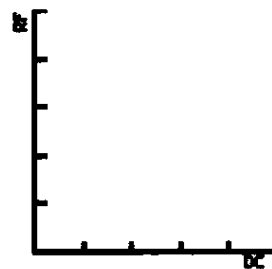


|        |                  |
|--------|------------------|
| RBC    | 2.65 - [10^12/L] |
| HGB    | 81 - [g/L]       |
| HCT    | 0.236 - [Ratio]  |
| MCV    | 89.1 [fL]        |
| MCH    | 30.6 [pg]        |
| MCHC   | 343 [g/L]        |
| RDW-CV | 13.6 [%]         |

IMI

NRBC

|     |          |     |
|-----|----------|-----|
| RET | [10^9/L] | [%] |
| IRF | [Ratio]  |     |



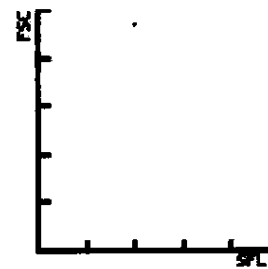
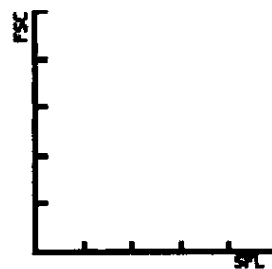
NRBC [10^9/L] [/100WBC]

Thrombocytopenia

|     |               |
|-----|---------------|
| PLT | 30 - [10^9/L] |
| MPV | 10.2 [fL]     |
| PDW | 11.5 [fL]     |
| PCT | 0.003 - [L/L] |

RET

PLT-O



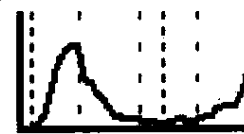
Manual Diff

RBC morf.

|         |         |          |         |
|---------|---------|----------|---------|
| SEG     | META    | NORMAL   | MICRO   |
| BAND    | MYELO   | POLYCH   | MAKRO   |
| LYMPH   | PRO     | HYPOCH   | ANISO   |
| MONO    | BLAST   | POIK     | BASOtip |
| EOSIN   | VARLY   | TARGET   |         |
| BASO    | TOXgran | SPHERO   | NRBC    |
| PLT EST |         | PLT morf |         |

RBC

PLT

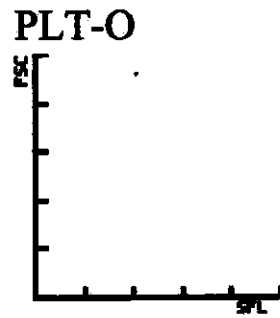
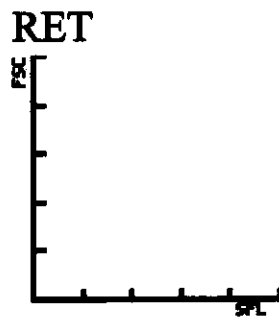
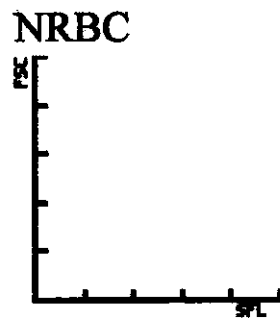
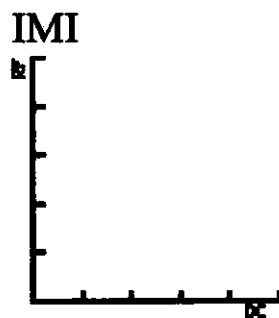
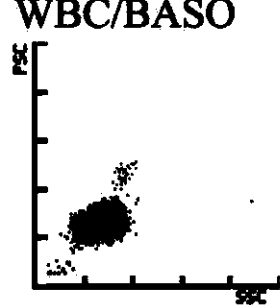
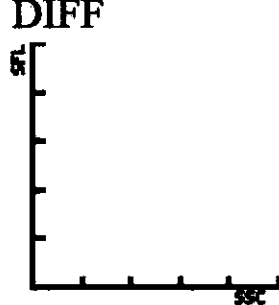


Comment: \_\_\_\_\_

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

Dg: lymfom z plášťové zóny

**WBC** 5.72 [10<sup>9</sup>/L] **WBC IP Message(s)**  
**NEUT** [10<sup>9</sup>/L] [%]  
**LYMPH** [10<sup>9</sup>/L] [%]  
**MONO** [10<sup>9</sup>/L] [%]  
**EO** [10<sup>9</sup>/L] [%]  
**BASO** [10<sup>9</sup>/L] [%]  
**IG** [10<sup>9</sup>/L] [%]  
  
**RBC** 3.99 - [10<sup>12</sup>/L]  
**HGB** 103 - [g/L]  
**HCT** 0.320 - [Ratio] **Microcytosis**  
**MCV** 80.2 - [fL]  
**MCH** 25.8 - [pg]  
**MCHC** 322 [g/L]  
**RDW-CV** 13.8 [%]  
  
**RET** [10<sup>9</sup>/L] [%]  
**IRF** [Ratio]  
**RET-He** [pg]  
**IPF** [%]  
**NRBC** [10<sup>9</sup>/L] [/100WBC]  
  
**PLT** 424 + [10<sup>9</sup>/L]  
**MPV** 10.6 [fL]  
**PDW** 12.6 - [fL]  
**PCT** 0.45 + [%]



12M

Dg: neshoubný novotvar úst a hltanu

**Manual Diff** **RBC morf.**  
**SEG** \_\_\_\_\_ **META** \_\_\_\_\_ **NORMAL** \_\_\_\_\_ **MICRO** \_\_\_\_\_  
**BAND** \_\_\_\_\_ **MYELO** \_\_\_\_\_ **POLYCH** \_\_\_\_\_ **MAKRO** \_\_\_\_\_  
**LYMPH** \_\_\_\_\_ **PRO** \_\_\_\_\_ **HYPOCH** \_\_\_\_\_ **ANISO** \_\_\_\_\_  
**MONO** \_\_\_\_\_ **BLAST** \_\_\_\_\_ **POIK** \_\_\_\_\_ **BASOtip** \_\_\_\_\_  
**EOSIN** \_\_\_\_\_ **VARLY** \_\_\_\_\_ **TARGET** \_\_\_\_\_  
**BASO** \_\_\_\_\_ **TOXgran** \_\_\_\_\_ **SPHERO** \_\_\_\_\_ **NRBC** \_\_\_\_\_  
**PLT EST** \_\_\_\_\_ **PLT morf** \_\_\_\_\_  
**Comment:** \_\_\_\_\_  
**DIFF by:** \_\_\_\_\_ **Date:** \_\_\_\_\_





Dg:  
selhání levé komory

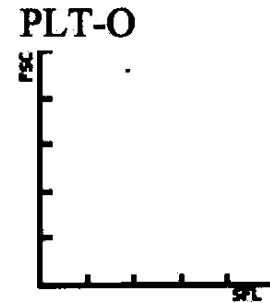
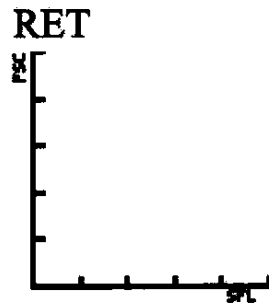
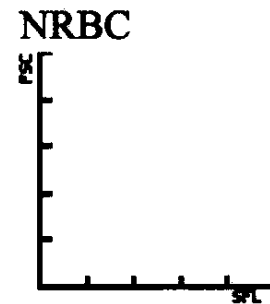
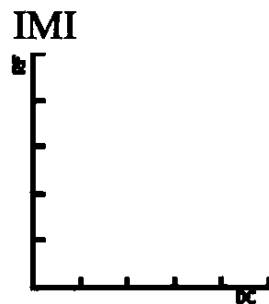
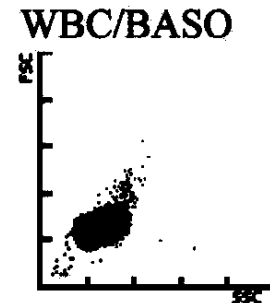
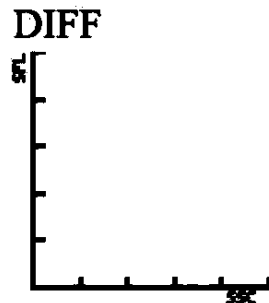
WBC 7.58 [10<sup>9</sup>/L] WBC IP Message(s)

NEUT [10<sup>9</sup>/L] [%]  
 LYMPH [10<sup>9</sup>/L] [%]  
 MONO [10<sup>9</sup>/L] [%]  
 EO [10<sup>9</sup>/L] [%]  
 BASO [10<sup>9</sup>/L] [%]  
 IG [10<sup>9</sup>/L] [%]

RBC 2.80 - [10<sup>12</sup>/L]  
 HGB 79 - [g/L]  
 HCT 0.249 - [Ratio]  
 MCV 88.9 [fL]  
 MCH 28.2 [pg]  
 MCHC 317 - [g/L]  
 RDW-CV 14.5 [%]

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

PLT 634 + [10<sup>9</sup>/L]  
 MPV 9.4 [fL]  
 PDW 10.1 - [fL]  
 PCT 0.60 + [%]

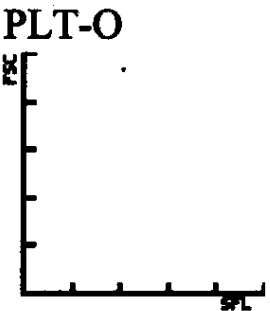
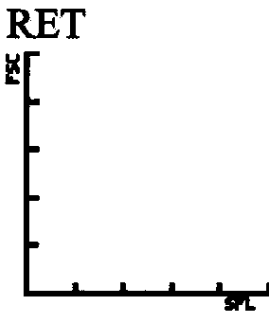
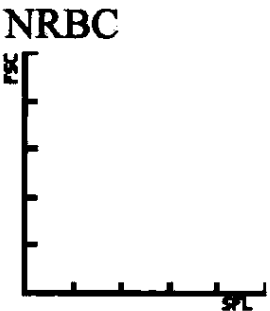
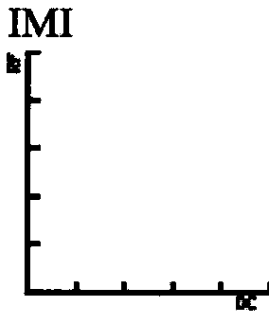
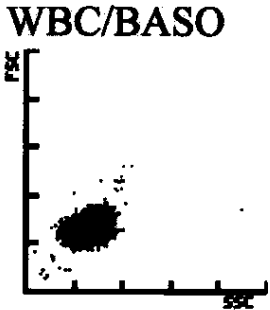
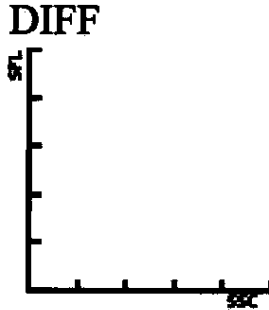


Manual Diff RBC morf.

SEG \_\_\_\_\_ META \_\_\_\_\_ NORMAL \_\_\_\_\_ MICRO \_\_\_\_\_  
 BAND \_\_\_\_\_ MYELO \_\_\_\_\_ POLYCH \_\_\_\_\_ MAKRO \_\_\_\_\_  
 LYMPH \_\_\_\_\_ PRO \_\_\_\_\_ HYPOCH \_\_\_\_\_ ANISO \_\_\_\_\_  
 MONO \_\_\_\_\_ BLAST \_\_\_\_\_ POIK \_\_\_\_\_ BASOtip \_\_\_\_\_  
 EOSIN \_\_\_\_\_ VARLY \_\_\_\_\_ TARGET \_\_\_\_\_  
 BASO \_\_\_\_\_ TOXgran \_\_\_\_\_ SPHERO \_\_\_\_\_ NRBC \_\_\_\_\_  
 PLT EST \_\_\_\_\_ PLT morf \_\_\_\_\_

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

|        |       |                         |                   |
|--------|-------|-------------------------|-------------------|
| WBC    | 7.76  | [10 <sup>9</sup> /L]    | WBC IP Message(s) |
| NEUT   |       | [10 <sup>9</sup> /L]    | [%]               |
| LYMPH  |       | [10 <sup>9</sup> /L]    | [%]               |
| MONO   |       | [10 <sup>9</sup> /L]    | [%]               |
| EO     |       | [10 <sup>9</sup> /L]    | [%]               |
| BASO   |       | [10 <sup>9</sup> /L]    | [%]               |
| IG     |       | [10 <sup>9</sup> /L]    | [%]               |
| RBC    | 3.88  | - [10 <sup>12</sup> /L] |                   |
| HGB    | 113   | - [g/L]                 |                   |
| HCT    | 0.325 | - [Ratio]               | Microcytosis      |
| MCV    | 83.8  | - [fL]                  |                   |
| MCH    | 29.1  | [pg]                    |                   |
| MCHC   | 348   | [g/L]                   |                   |
| RDW-CV | 14.3  | [%]                     |                   |
| RET    |       | [10 <sup>9</sup> /L]    | [%]               |
| RF     |       | [Ratio]                 |                   |
| RET-He |       | [pg]                    |                   |
| IPF    |       | [%]                     |                   |
| NRBC   |       | [10 <sup>9</sup> /L]    | [/100WBC]         |
| PLT    | 215   | [10 <sup>9</sup> /L]    |                   |
| MPV    | 11.0  | [fL]                    |                   |
| PDW    | 13.5  | - [fL]                  |                   |
| PCT    | 0.24  | [%]                     |                   |



Manual Diff

SEG \_\_\_\_\_ META \_\_\_\_\_ NORMAL \_\_\_\_\_ MICRO \_\_\_\_\_

BAND \_\_\_\_\_ MYELO \_\_\_\_\_ POLYCH \_\_\_\_\_ MAKRO \_\_\_\_\_

LYMPH \_\_\_\_\_ PRO \_\_\_\_\_ HYPOCH \_\_\_\_\_ ANISO \_\_\_\_\_

MONO \_\_\_\_\_ BLAST \_\_\_\_\_ POIK \_\_\_\_\_ BASOtip \_\_\_\_\_

EOSIN \_\_\_\_\_ VARLY \_\_\_\_\_ TARGET \_\_\_\_\_

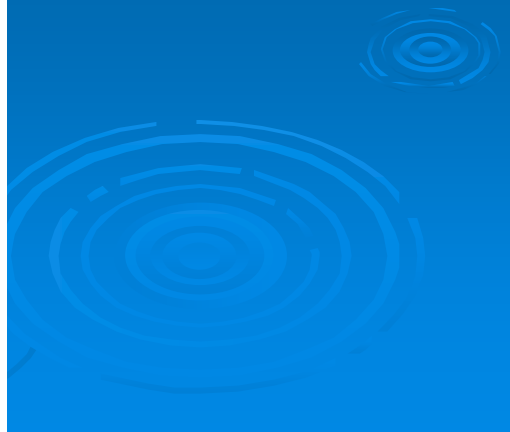
BASO \_\_\_\_\_ TOXgran \_\_\_\_\_ SPHERO \_\_\_\_\_ NRBC \_\_\_\_\_

PLT EST \_\_\_\_\_ PLT morf \_\_\_\_\_

Comment: \_\_\_\_\_

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

Dg:  
preeklampsie  
(hypertenze)



WBC 16.62 + [10<sup>9</sup>/L] WBC IP Message(s)

|       |                      |     |
|-------|----------------------|-----|
| NEUT  | [10 <sup>9</sup> /L] | [%] |
| LYMPH | [10 <sup>9</sup> /L] | [%] |
| MONO  | [10 <sup>9</sup> /L] | [%] |
| EO    | [10 <sup>9</sup> /L] | [%] |
| BASO  | [10 <sup>9</sup> /L] | [%] |
| IG    | [10 <sup>9</sup> /L] | [%] |

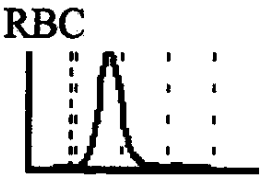
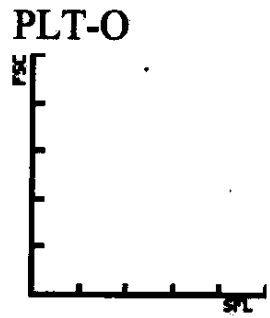
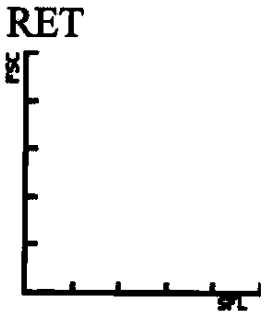
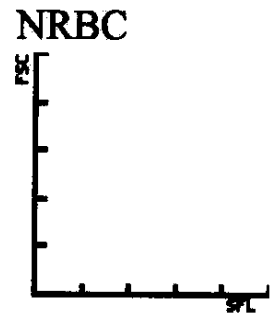
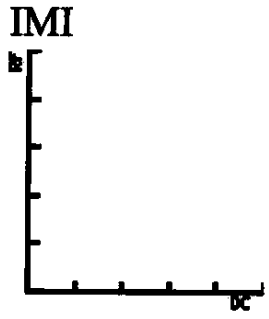
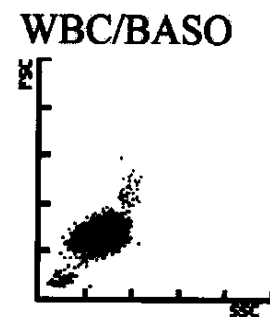
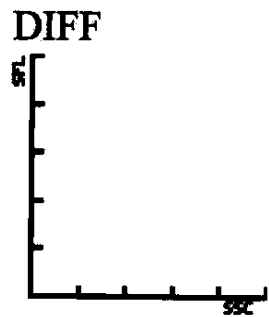
|        |       |                       |
|--------|-------|-----------------------|
| RBC    | 4.40  | [10 <sup>12</sup> /L] |
| HGB    | 130   | [g/L]                 |
| HCT    | 0.388 | [Ratio]               |
| MCV    | 88.2  | [fL]                  |
| MCH    | 29.5  | [pg]                  |
| MCHC   | 335   | [g/L]                 |
| RDW-CV | 13.5  | [%]                   |

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

|     |      |                      |
|-----|------|----------------------|
| PLT | 249  | [10 <sup>9</sup> /L] |
| MPV | 11.7 | [fL]                 |
| PDW | 14.5 | [fL]                 |
| PCT | 0.29 | [%]                  |



Manual Diff RBC morf.

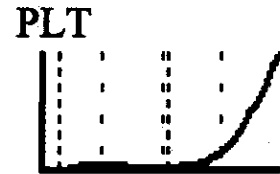
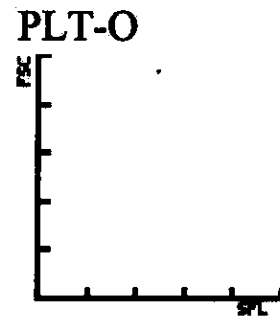
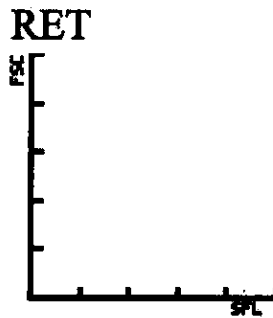
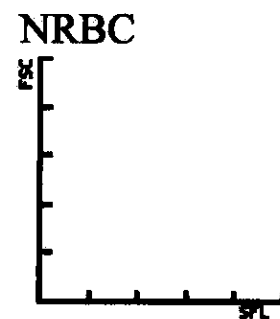
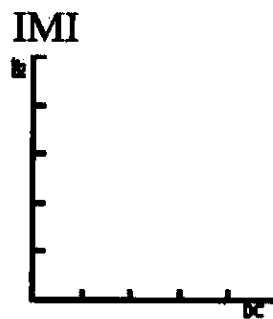
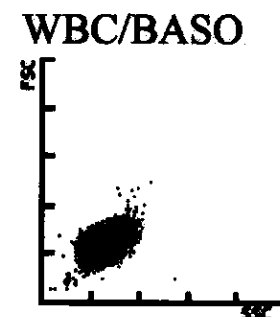
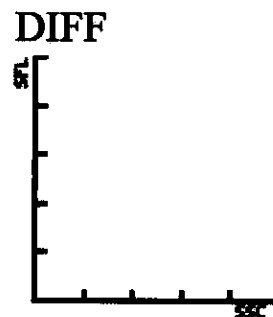
|         |          |        |         |
|---------|----------|--------|---------|
| SEG     | META     | NORMAL | MICRO   |
| BAND    | MYELO    | POLYCH | MAKRO   |
| LYMPH   | PRO      | HYPOCH | ANISO   |
| MONO    | BLAST    | POIK   | BASOtip |
| EOSIN   | VARLY    | TARGET |         |
| BASO    | TOXgran  | SPHERO | NRBC    |
| PLT EST | PLT morf |        |         |

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

Dg: gestační hypertenze



|        |         |                       |                      |
|--------|---------|-----------------------|----------------------|
| WBC    | 13.54 + | [10 <sup>9</sup> /L]  | WBC IP Message(s)    |
| NEUT   |         | [10 <sup>9</sup> /L]  | [%]                  |
| LYMPH  |         | [10 <sup>9</sup> /L]  | [%]                  |
| MONO   |         | [10 <sup>9</sup> /L]  | [%]                  |
| EO     |         | [10 <sup>9</sup> /L]  | [%]                  |
| BASO   |         | [10 <sup>9</sup> /L]  | [%]                  |
| IG     |         | [10 <sup>9</sup> /L]  | [%]                  |
| RBC    | 4.08    | [10 <sup>12</sup> /L] |                      |
| HGB    | 92 -    | [g/L]                 |                      |
| HCT    | 0.304 - | [Ratio]               | Anisocytosis         |
| MCV    | 74.5 -  | [fL]                  | Microcytosis         |
| MCH    | 22.5 -  | [pg]                  |                      |
| MCHC   | 303 -   | [g/L]                 | Iron Deficiency?     |
| RDW-CV | 21.1 +  | [%]                   |                      |
| RET    |         | [10 <sup>9</sup> /L]  | [%]                  |
| IRF    |         | [Ratio]               |                      |
| RET-He |         | [pg]                  |                      |
| IPF    |         | [%]                   |                      |
| NRBC   |         | [10 <sup>9</sup> /L]  | [/100WBC]            |
| PLT    | 45 *    | [10 <sup>9</sup> /L]  | PLT Abn Distribution |
| MPV    | ---     | [fL]                  | Thrombocytopenia     |
| PDW    | ---     | [fL]                  |                      |
| PCT    | ---     | [%]                   |                      |



Dg:  
městnání,  
selhání srdce

Manual Diff

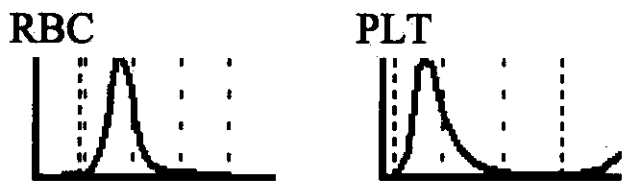
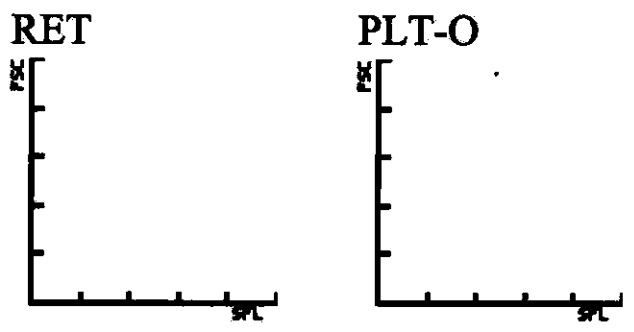
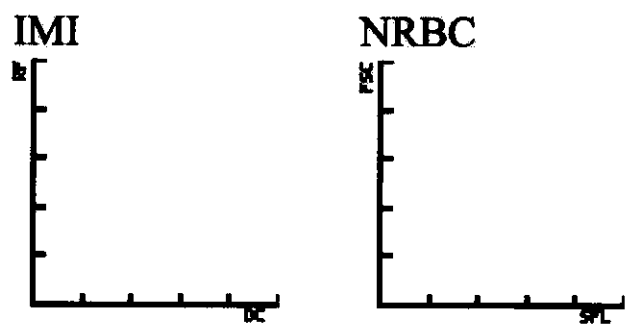
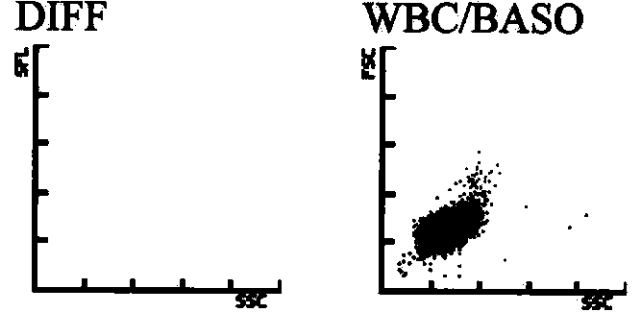
|         |         |          |         |
|---------|---------|----------|---------|
| SEG     | META    | NORMAL   | MICRO   |
| BAND    | MYELO   | POLYCH   | MAKRO   |
| LYMPH   | PRO     | HYPPOCH  | ANISO   |
| MONO    | BLAST   | POIK     | BASOtip |
| EOSIN   | VARLY   | TARGET   |         |
| BASO    | TOXgran | SPHERO   | NRBC    |
| PLT EST |         | PLT morf |         |

RBC morf.

Comment: \_\_\_\_\_

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

|        |         |                       |                   |
|--------|---------|-----------------------|-------------------|
| WBC    | 16.44 + | [10 <sup>9</sup> /L]  | WBC IP Message(s) |
| NEUT   |         | [10 <sup>9</sup> /L]  | [%]               |
| LYMPH  |         | [10 <sup>9</sup> /L]  | [%]               |
| MONO   |         | [10 <sup>9</sup> /L]  | [%]               |
| EO     |         | [10 <sup>9</sup> /L]  | [%]               |
| BASO   |         | [10 <sup>9</sup> /L]  | [%]               |
| IG     |         | [10 <sup>9</sup> /L]  | [%]               |
| RBC    | 3.09 -  | [10 <sup>12</sup> /L] |                   |
| HGB    | 91 -    | [g/L]                 |                   |
| HCT    | 0.279 - | [Ratio]               |                   |
| MCV    | 90.3    | [fL]                  |                   |
| MCH    | 29.4    | [pg]                  |                   |
| MCHC   | 326     | [g/L]                 |                   |
| RDW-CV | 15.3 +  | [%]                   |                   |
| RET    |         | [10 <sup>9</sup> /L]  | [%]               |
| IRF    |         | [Ratio]               |                   |
| RET-He |         | [pg]                  |                   |
| IPF    |         | [%]                   |                   |
| NRBC   |         | [10 <sup>9</sup> /L]  | [/100WBC]         |
| PLT    | 317     | [10 <sup>9</sup> /L]  |                   |
| MPV    | 9.3     | [fL]                  |                   |
| PDW    | 9.6 -   | [fL]                  |                   |
| PCT    | 0.29    | [%]                   |                   |



Dg:  
poranění více  
částí těla

Manual Diff

|         |         |          |         |
|---------|---------|----------|---------|
| SEG     | META    | NORMAL   | MICRO   |
| BAND    | MYELO   | POLYCH   | MAKRO   |
| LYMPH   | PRO     | HYPOCH   | ANISO   |
| MONO    | BLAST   | POIK     | BASOtíp |
| EOSIN   | VARLY   | TARGET   |         |
| BASO    | TOXgran | SPHERO   | NRBC    |
| PLT EST |         | PLT morf |         |

Comment: \_\_\_\_\_

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

RBC morf.

|         |         |          |         |
|---------|---------|----------|---------|
| SEG     | META    | NORMAL   | MICRO   |
| BAND    | MYELO   | POLYCH   | MAKRO   |
| LYMPH   | PRO     | HYPOCH   | ANISO   |
| MONO    | BLAST   | POIK     | BASOtíp |
| EOSIN   | VARLY   | TARGET   |         |
| BASO    | TOXgran | SPHERO   | NRBC    |
| PLT EST |         | PLT morf |         |



WBC 8.07 [10<sup>9</sup>/L] WBC IP Message(s)

|       |      |                      |      |     |
|-------|------|----------------------|------|-----|
| NEUT  | 5.80 | [10 <sup>9</sup> /L] | 71.9 | [%] |
| LYMPH | 1.13 | [10 <sup>9</sup> /L] | 14.0 | [%] |
| MONO  | 0.96 | [10 <sup>9</sup> /L] | 11.9 | [%] |
| EO    | 0.14 | [10 <sup>9</sup> /L] | 1.7  | [%] |
| BASO  | 0.04 | [10 <sup>9</sup> /L] | 0.5  | [%] |
| IG    | 0.15 | [10 <sup>9</sup> /L] | 1.9  | [%] |

|        |       |                       |  |  |
|--------|-------|-----------------------|--|--|
| RBC    | 4.67  | [10 <sup>12</sup> /L] |  |  |
| HGB    | 141   | [g/L]                 |  |  |
| HCT    | 0.424 | [Ratio]               |  |  |
| MCV    | 90.8  | [fL]                  |  |  |
| MCH    | 30.2  | [pg]                  |  |  |
| MCHC   | 333   | [g/L]                 |  |  |
| RDW-CV | 12.7  | [%]                   |  |  |

|     |  |                      |  |     |
|-----|--|----------------------|--|-----|
| RET |  | [10 <sup>9</sup> /L] |  | [%] |
| IRF |  | [Ratio]              |  |     |

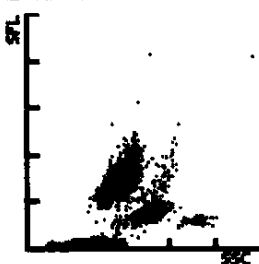
  

|      |      |                      |     |           |
|------|------|----------------------|-----|-----------|
| NRBC | 0.00 | [10 <sup>9</sup> /L] | 0.0 | [/100WBC] |
|------|------|----------------------|-----|-----------|

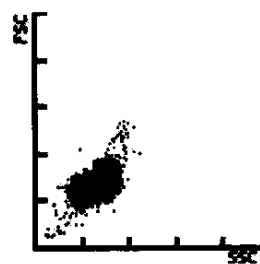
  

|     |       |                      |  |  |
|-----|-------|----------------------|--|--|
| PLT | 314   | [10 <sup>9</sup> /L] |  |  |
| MPV | 11.0  | [fL]                 |  |  |
| PDW | 13.9  | [fL]                 |  |  |
| PCT | 0.035 | [L/L]                |  |  |

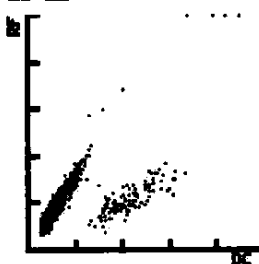
DIFF



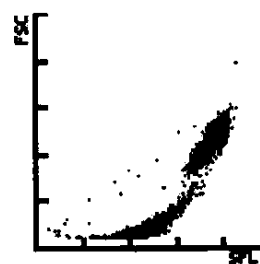
WBC/BASO



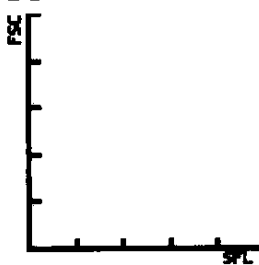
IMI



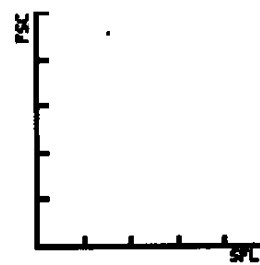
NRBC



RET



PLT-O



RBC



PLT



21M (41r.)

Dg:  
intracerebrální  
krvácení do  
hemisféry

Manual Diff RBC morf.

|         |         |          |         |
|---------|---------|----------|---------|
| SEG     | META    | NORMAL   | MICRO   |
| BAND    | MYELO   | POLYCH   | MAKRO   |
| LYMPH   | PRO     | HYPOCH   | ANISO   |
| MONO    | BLAST   | POIK     | BASOtip |
| EOSIN   | VARLY   | TARGET   |         |
| BASO    | TOXgran | SPHERO   | NRBC    |
| PLT EST |         | PLT morf |         |

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



22F (80r.)

Dg:  
bronchopneumonie

WBC 16.57 + [10<sup>9</sup>/L]      WBC IP Message(s)

|       |         |                      |      |      |             |
|-------|---------|----------------------|------|------|-------------|
| NEUT  | 14.92 * | [10 <sup>9</sup> /L] | 90.1 | *[%] |             |
| LYMPH | 1.38    | [10 <sup>9</sup> /L] | 8.3  | -[%] | Left Shift? |
| MONO  | 0.24    | [10 <sup>9</sup> /L] | 1.4  | -[%] |             |
| EO    | 0.00 *  | [10 <sup>9</sup> /L] | 0.0  | *[%] |             |
| BASO  | 0.03    | [10 <sup>9</sup> /L] | 0.2  | [%]  |             |
| IG    | 0.18    | [10 <sup>9</sup> /L] | 1.1  | [%]  |             |

|        |         |                       |  |  |              |
|--------|---------|-----------------------|--|--|--------------|
| RBC    | 3.71 -  | [10 <sup>12</sup> /L] |  |  |              |
| HGB    | 100 -   | [g/L]                 |  |  |              |
| HCT    | 0.324 - | [Ratio]               |  |  | Anisocytosis |
| MCV    | 87.3    | [fL]                  |  |  |              |
| MCH    | 27.0    | [pg]                  |  |  |              |
| MCHC   | 309 -   | [g/L]                 |  |  |              |
| RDW-CV | 18.5 +  | [%]                   |  |  |              |

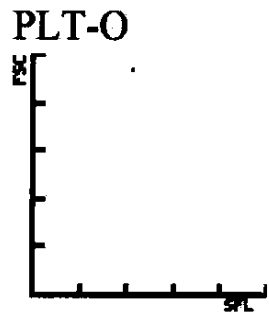
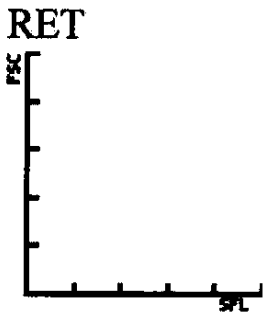
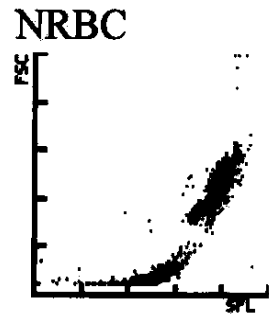
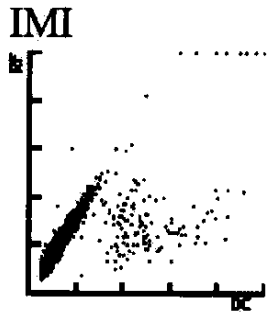
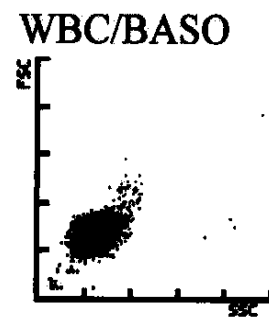
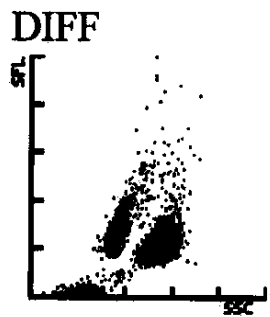
|     |  |                      |  |     |  |
|-----|--|----------------------|--|-----|--|
| RET |  | [10 <sup>9</sup> /L] |  | [%] |  |
| IRF |  | [Ratio]              |  |     |  |

|      |      |                      |     |           |  |
|------|------|----------------------|-----|-----------|--|
| NRBC | 0.00 | [10 <sup>9</sup> /L] | 0.0 | [/100WBC] |  |
|------|------|----------------------|-----|-----------|--|

|     |       |                      |  |  |  |
|-----|-------|----------------------|--|--|--|
| PLT | 184   | [10 <sup>9</sup> /L] |  |  |  |
| MPV | 9.9   | [fL]                 |  |  |  |
| PDW | 11.5  | [fL]                 |  |  |  |
| PCT | 0.018 | [L/L]                |  |  |  |



Manual Diff      RBC morf.

|         |       |          |       |        |       |         |       |
|---------|-------|----------|-------|--------|-------|---------|-------|
| SEG     | _____ | META     | _____ | NORMAL | _____ | MICRO   | _____ |
| BAND    | _____ | MYELO    | _____ | POLYCH | _____ | MAKRO   | _____ |
| LYMPH   | _____ | PRO      | _____ | HYPOCH | _____ | ANISO   | _____ |
| MONO    | _____ | BLAST    | _____ | POIK   | _____ | BASOtip | _____ |
| EOSIN   | _____ | VARLY    | _____ | TARGET | _____ |         | _____ |
| BASO    | _____ | TOXgran  | _____ | SPHERO | _____ | NRBC    | _____ |
| PLT EST | _____ | PLT morf | _____ |        |       |         |       |

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

**WBC** 4.12 [10<sup>9</sup>/L] **WBC IP Message(s)**  
**NEUT** 1.86 [10<sup>9</sup>/L] 45.2 [%]  
**LYMPH** 0.67 [10<sup>9</sup>/L] 16.3 [%]  
**MONO** 1.57 + [10<sup>9</sup>/L] 38.1 + [%]  
**EO** 0.01 [10<sup>9</sup>/L] 0.2 [%]  
**BASO** 0.01 [10<sup>9</sup>/L] 0.2 [%]  
**IG** 0.18 [10<sup>9</sup>/L] 4.4 [%]

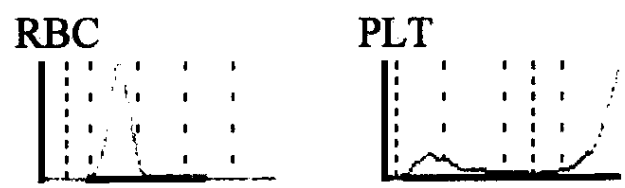
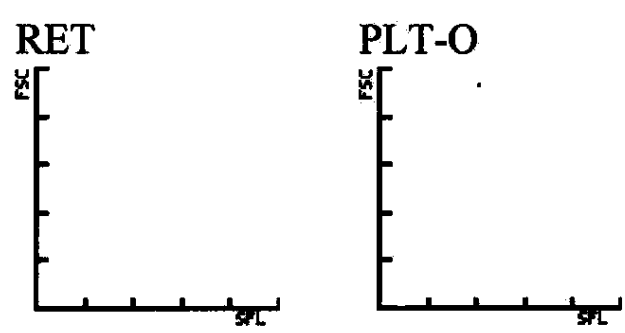
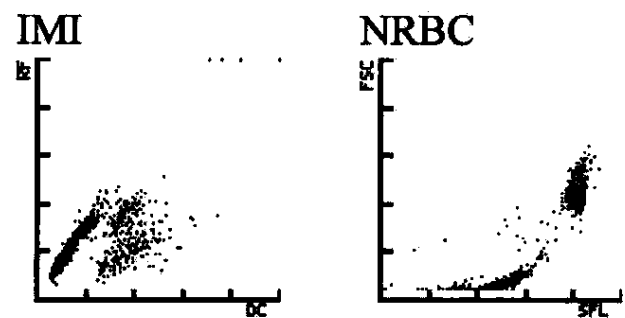
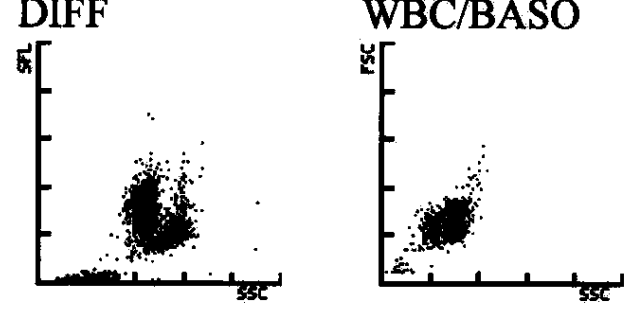
**RBC** 3.05 [10<sup>12</sup>/L]  
**HGB** 88 [g/L]  
**HCT** 0.248 [Ratio]  
**MCV** 81.3 [fL]  
**MCH** 28.9 [pg]  
**MCHC** 355 [g/L]  
**RDW-CV** 12.9 [%]

**RET** [10<sup>9</sup>/L] [%]  
**IRF** [Ratio]

**NRBC** 0.00 [10<sup>9</sup>/L] 0.0 [/100WBC]

**PLT** 21 \* [10<sup>9</sup>/L] **Thrombocytopenia**  
**MPV** 11.1 [fL]  
**PDW** 14.2 [fL]  
**PCT** 0.002 [L/L]

Monocytosis  
IG Present



23F (20r.)

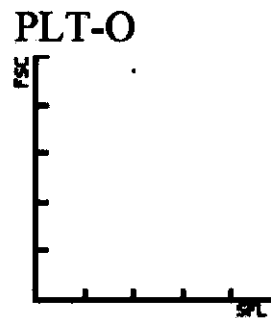
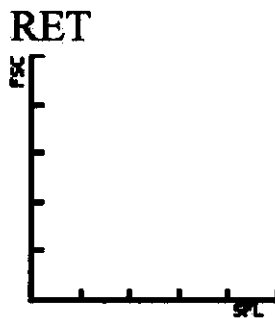
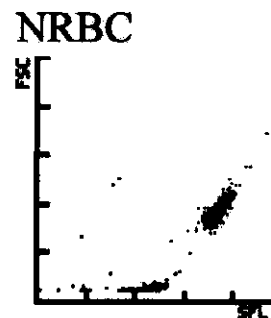
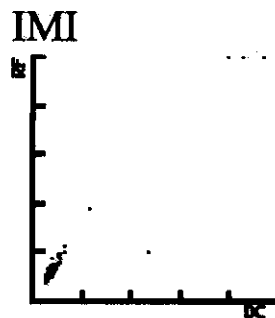
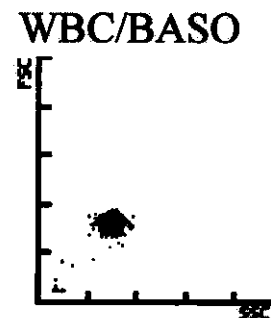
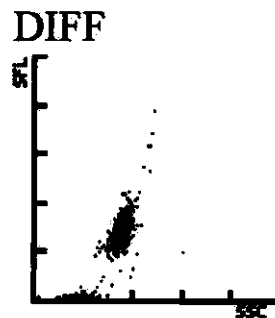
Dg: ALL

**Manual Diff** **RBC morf.**  
**SEG** \_\_\_\_\_ **META** \_\_\_\_\_ **NORMAL** \_\_\_\_\_ **MICRO** \_\_\_\_\_  
**BAND** \_\_\_\_\_ **MYELO** \_\_\_\_\_ **POLYCH** \_\_\_\_\_ **MAKRO** \_\_\_\_\_  
**LYMPH** \_\_\_\_\_ **PRO** \_\_\_\_\_ **HYPOCH** \_\_\_\_\_ **ANISO** \_\_\_\_\_  
**MONO** \_\_\_\_\_ **BLAST** \_\_\_\_\_ **POIK** \_\_\_\_\_ **BASOtip** \_\_\_\_\_  
**EOSIN** \_\_\_\_\_ **VARLY** \_\_\_\_\_ **TARGET** \_\_\_\_\_  
**BASO** \_\_\_\_\_ **TOXgran** \_\_\_\_\_ **SPHERO** \_\_\_\_\_ **NRBC** \_\_\_\_\_  
**PLT EST** \_\_\_\_\_ **PLT morf** \_\_\_\_\_  
**Comment:** \_\_\_\_\_  
**DIFF by:** \_\_\_\_\_ **Date:** \_\_\_\_\_

24M (29r.)

Dg: AML

|                                    |       |   |                       |      |             |
|------------------------------------|-------|---|-----------------------|------|-------------|
| WBC                                | 1.27  | - | [10 <sup>9</sup> /L]  |      |             |
| WBC IP Message(s)<br>Lymphocytosis |       |   |                       |      |             |
| NEUT                               | 0.00  | - | [10 <sup>9</sup> /L]  | 0.0  | - [%]       |
| LYMPH                              | 1.25  | - | [10 <sup>9</sup> /L]  | 98.4 | + [%]       |
| MONO                               | 0.02  | - | [10 <sup>9</sup> /L]  | 1.6  | - [%]       |
| 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  | - [%]       |
| RBC                                | 2.81  | - | [10 <sup>12</sup> /L] |      |             |
| HGB                                | 89    | - | [g/L]                 |      |             |
| HCT                                | 0.256 | - | [Ratio]               |      |             |
| MCV                                | 91.1  | - | [fL]                  |      |             |
| MCH                                | 31.7  | - | [pg]                  |      |             |
| MCHC                               | 348   | - | [g/L]                 |      |             |
| RDW-CV                             | 17.3  | + | [%]                   |      |             |
| RET                                |       | - | [10 <sup>9</sup> /L]  |      | - [%]       |
| IRF                                |       | - | [Ratio]               |      |             |
| NRBC                               | 0.00  | - | [10 <sup>9</sup> /L]  | 0.0  | - [/100WBC] |
| Thrombocytopenia                   |       |   |                       |      |             |
| PLT                                | 37    | - | [10 <sup>9</sup> /L]  |      |             |
| MPV                                | 11.4  | - | [fL]                  |      |             |
| PDW                                | 12.3  | - | [fL]                  |      |             |
| PCT                                | 0.004 | - | [L/L]                 |      |             |



Manual Diff

RBC morf.

SEG \_\_\_\_\_ META \_\_\_\_\_ NORMAL \_\_\_\_\_ MICRO \_\_\_\_\_

BAND \_\_\_\_\_ MYELO \_\_\_\_\_ POLYCH \_\_\_\_\_ MAKRO \_\_\_\_\_

LYMPH \_\_\_\_\_ PRO \_\_\_\_\_ HYPOCH \_\_\_\_\_ ANISO \_\_\_\_\_

MONO \_\_\_\_\_ BLAST \_\_\_\_\_ POIK \_\_\_\_\_ BASOtip \_\_\_\_\_

EOSIN \_\_\_\_\_ VARLY \_\_\_\_\_ TARGET \_\_\_\_\_

BASO \_\_\_\_\_ TOXgran \_\_\_\_\_ SPHERO \_\_\_\_\_ NRBC \_\_\_\_\_

PLT EST \_\_\_\_\_ PLT morf \_\_\_\_\_

Comment: \_\_\_\_\_

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

26F (39r.)

Dg:  
nemoci hitanu

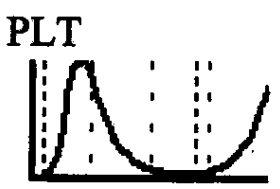
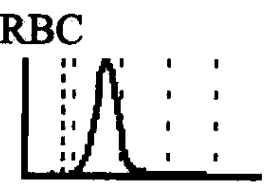
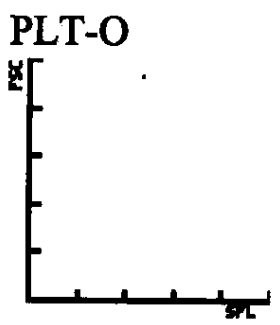
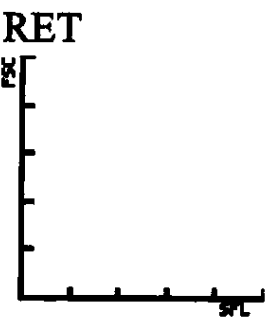
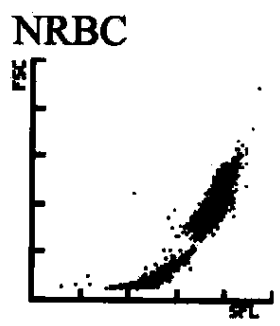
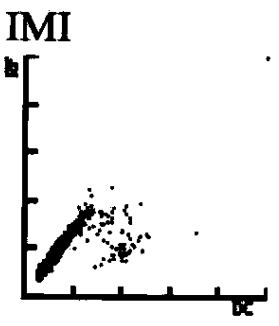
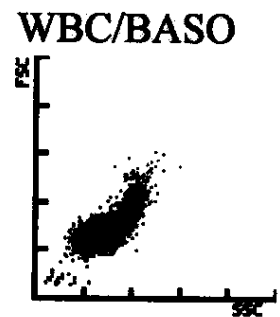
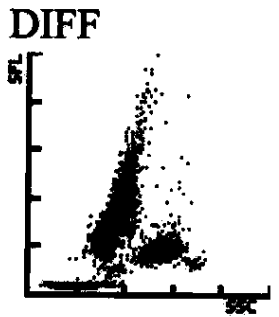
|       |      |                        |      |       |
|-------|------|------------------------|------|-------|
| WBC   | 7.77 | [10 <sup>9</sup> /L]   |      |       |
| NEUT  | 2.26 | * [10 <sup>9</sup> /L] | 29.1 | * [%] |
| LYMPH | 4.46 | * [10 <sup>9</sup> /L] | 57.4 | * [%] |
| MONO  | 0.73 | * [10 <sup>9</sup> /L] | 9.4  | * [%] |
| EO    | 0.05 | [10 <sup>9</sup> /L]   | 0.6  | [%]   |
| BASO  | 0.27 | + [10 <sup>9</sup> /L] | 3.5  | + [%] |
| IG    | 0.05 | [10 <sup>9</sup> /L]   | 0.6  | [%]   |

WBC IP Message(s)  
Lymphocytosis  
Atypical Lympho?  
Abn Lympho/L\_Blasts?

|        |       |                       |  |
|--------|-------|-----------------------|--|
| RBC    | 4.27  | [10 <sup>12</sup> /L] |  |
| HGB    | 124   | - [g/L]               |  |
| HCT    | 0.364 | - [Ratio]             |  |
| MCV    | 85.2  | [fL]                  |  |
| MCH    | 29.0  | [pg]                  |  |
| MCHC   | 341   | [g/L]                 |  |
| RDW-CV | 13.1  | [%]                   |  |

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

|     |      |                      |
|-----|------|----------------------|
| PLT | 160  | [10 <sup>9</sup> /L] |
| MPV | 10.3 | [fL]                 |
| PDW | 11.9 | - [fL]               |
| PCT | 0.16 | [%]                  |



Manual Diff

|         |         |          |         |
|---------|---------|----------|---------|
| SEG     | META    | NORMAL   | MICRO   |
| BAND    | MYELO   | POLYCH   | MAKRO   |
| LYMPH   | PRO     | HYPOCH   | ANISO   |
| MONO    | BLAST   | POIK     | BASOtip |
| EOSIN   | VARLY   | TARGET   |         |
| BASO    | TOXgran | SPHERO   | NRBC    |
| PLT EST |         | PLT morf |         |

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

RBC morf.

|         |         |          |         |
|---------|---------|----------|---------|
| SEG     | META    | NORMAL   | MICRO   |
| BAND    | MYELO   | POLYCH   | MAKRO   |
| LYMPH   | PRO     | HYPOCH   | ANISO   |
| MONO    | BLAST   | POIK     | BASOtip |
| EOSIN   | VARLY   | TARGET   |         |
| BASO    | TOXgran | SPHERO   | NRBC    |
| PLT EST |         | PLT morf |         |



28M (56r.)

|        |         |                       |      |           |
|--------|---------|-----------------------|------|-----------|
| WBC    | 39.62 + | [10 <sup>9</sup> /L]  |      |           |
| NEUT   | 37.95 * | [10 <sup>9</sup> /L]  | 95.8 | *[%]      |
| LYMPH  | 0.68 -  | [10 <sup>9</sup> /L]  | 1.7  | -[%]      |
| MONO   | 0.78    | [10 <sup>9</sup> /L]  | 2.0  | [%]       |
| EO     | 0.00 *  | [10 <sup>9</sup> /L]  | 0.0  | *[%]      |
| BASO   | 0.21 +  | [10 <sup>9</sup> /L]  | 0.5  | [%]       |
| IG     | 3.20    | [10 <sup>9</sup> /L]  | 8.1  | [%]       |
| RBC    | 4.54    | [10 <sup>12</sup> /L] |      |           |
| HGB    | 144 *   | [g/L]                 |      |           |
| HCT    | 0.387 - | [Ratio]               |      |           |
| MCV    | 85.2    | [fL]                  |      |           |
| MCH    | 31.7 *  | [pg]                  |      |           |
| MCHC   | 372 *   | [g/L]                 |      |           |
| RDW-CV | 13.6    | [%]                   |      |           |
| RET    |         | [10 <sup>9</sup> /L]  |      | [%]       |
| IRF    |         | [Ratio]               |      |           |
| RET-He |         | [pg]                  |      |           |
| IPF    |         | [%]                   |      |           |
| NRBC   | 0.00    | [10 <sup>9</sup> /L]  | 0.0  | [/100WBC] |
| PLT    | 140 -   | [10 <sup>9</sup> /L]  |      |           |
| MPV    | 11.1 +  | [fL]                  |      |           |
| PDW    | 13.4 -  | [fL]                  |      |           |
| PCT    | 0.16    | [%]                   |      |           |

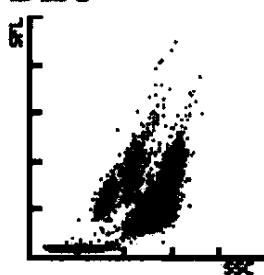
WBC IP Message(s)

IG Present

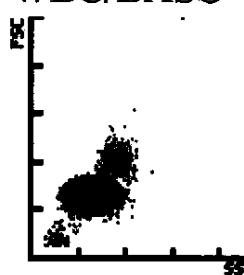
Left Shift?

Turbidity/HGB Interf?

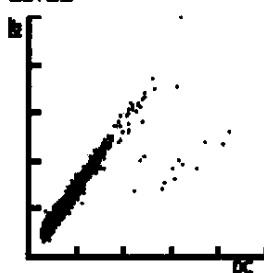
DIFF



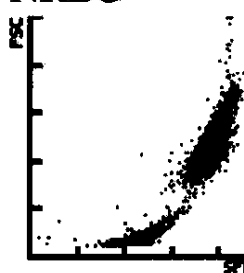
WBC/BASO



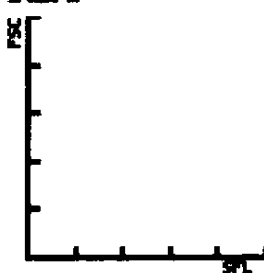
IMI



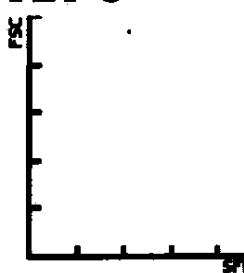
NRBC



RET



PLT-O



RBC



PLT



Dg:  
difuzní  
velkobuněčný  
lymfom

Manual Diff

RBC morf.

SEG \_\_\_\_\_ META \_\_\_\_\_ NORMAL \_\_\_\_\_ MICRO \_\_\_\_\_  
 BAND \_\_\_\_\_ MYELO \_\_\_\_\_ POLYCH \_\_\_\_\_ MAKRO \_\_\_\_\_  
 LYMPH \_\_\_\_\_ PRO \_\_\_\_\_ HYPOCH \_\_\_\_\_ ANISO \_\_\_\_\_  
 MONO \_\_\_\_\_ BLAST \_\_\_\_\_ POIK \_\_\_\_\_ BASOtip \_\_\_\_\_  
 EOSIN \_\_\_\_\_ VARLY \_\_\_\_\_ TARGET \_\_\_\_\_  
 BASO \_\_\_\_\_ TOXgran \_\_\_\_\_ SPHERO \_\_\_\_\_ NRBC \_\_\_\_\_  
 PLT EST \_\_\_\_\_ PLT morf \_\_\_\_\_

Comment: \_\_\_\_\_

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

29F (24r.)

Dg:  
dědičný nedostatek  
koagulačních faktorů

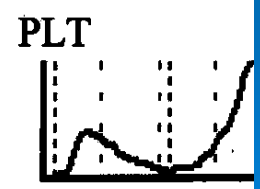
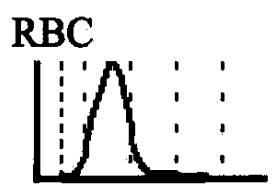
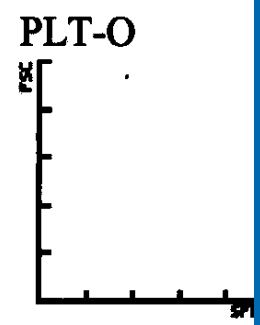
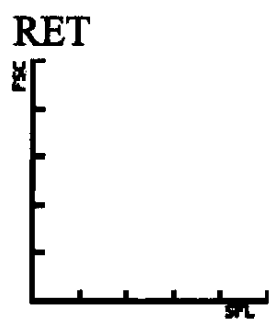
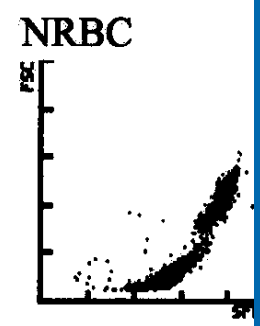
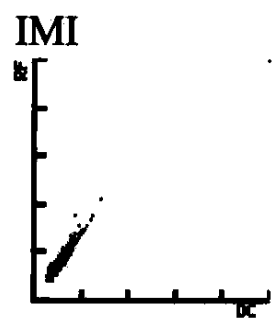
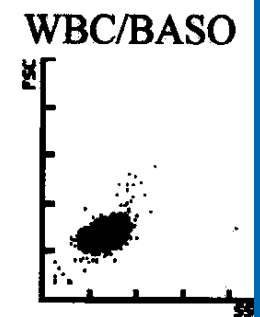
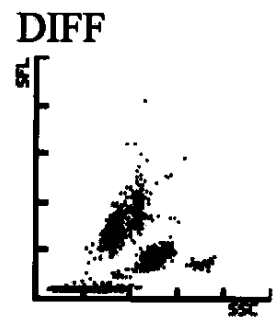
WBC 3.01 - [10<sup>9</sup>/L] WBC IP Message(s)

|       |      |   |                      |      |     |
|-------|------|---|----------------------|------|-----|
| NEUT  | 1.64 | - | [10 <sup>9</sup> /L] | 54.5 | [%] |
| LYMPH | 0.96 | - | [10 <sup>9</sup> /L] | 31.9 | [%] |
| MONO  | 0.33 | - | [10 <sup>9</sup> /L] | 11.0 | [%] |
| EO    | 0.07 | - | [10 <sup>9</sup> /L] | 2.3  | [%] |
| BASO  | 0.01 | - | [10 <sup>9</sup> /L] | 0.3  | [%] |
| IG    | 0.01 | - | [10 <sup>9</sup> /L] | 0.3  | [%] |

RBC 3.91 - [10<sup>12</sup>/L]  
 HGB 98 - [g/L]  
 HCT 0.309 - [Ratio] Anisocytosis  
 MCV 79.0 - [fL] Microcytosis  
 MCH 25.1 - [pg]  
 MCHC 317 - [g/L]  
 RDW-CV 20.4 + [%]

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

PLT 156 \* [10<sup>9</sup>/L] PLT Abn Distribution  
 MPV 10.9 \* [fL]  
 PDW 16.2 \* [fL]  
 PCT 0.17 \* [%]

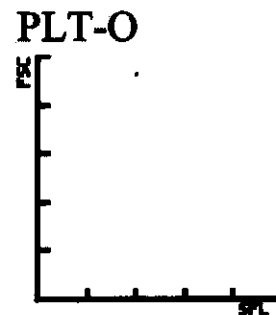
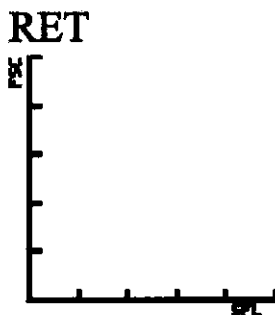
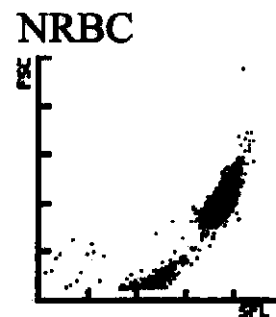
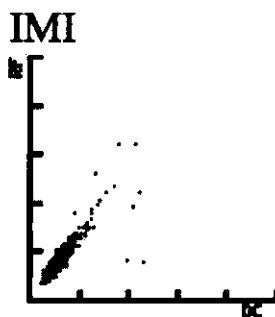
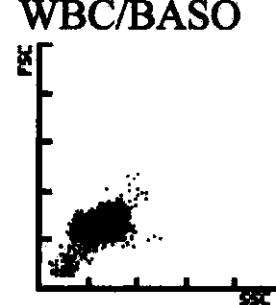
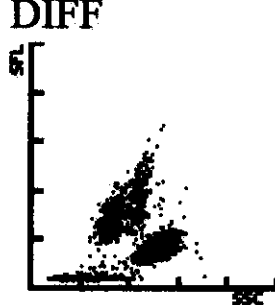


Manual Diff RBC morf.

|         |         |          |         |
|---------|---------|----------|---------|
| SEG     | META    | NORMAL   | MICRO   |
| BAND    | MYELO   | POLYCH   | MAKRO   |
| LYMPH   | PRO     | HYPOCH   | ANISO   |
| MONO    | BLAST   | POIK     | BASOtip |
| EOSIN   | VARLY   | TARGET   |         |
| BASO    | TOXgran | SPHERO   | NRBC    |
| PLT EST |         | PLT morf |         |

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

|        |       |                       |                   |           |
|--------|-------|-----------------------|-------------------|-----------|
| WBC    | 8.34  | [10 <sup>9</sup> /L]  | WBC IP Message(s) |           |
| NEUT   | 6.78  | [10 <sup>9</sup> /L]  | 81.3              | +[%]      |
| LYMPH  | 0.99  | [10 <sup>9</sup> /L]  | 11.9              | -[%]      |
| MONO   | 0.57  | [10 <sup>9</sup> /L]  | 6.8               | [%]       |
| EO     | 0.00  | [10 <sup>9</sup> /L]  | 0.0               | [%]       |
| BASO   | 0.00  | [10 <sup>9</sup> /L]  | 0.0               | [%]       |
| IG     | 0.02  | [10 <sup>9</sup> /L]  | 0.2               | [%]       |
| RBC    | 4.28  | [10 <sup>12</sup> /L] |                   |           |
| HGB    | 132   | [g/L]                 |                   |           |
| HCT    | 0.370 | - [Ratio]             |                   |           |
| MCV    | 86.4  | [fL]                  |                   |           |
| MCH    | 30.8  | [pg]                  |                   |           |
| MCHC   | 357   | [g/L]                 |                   |           |
| RDW-CV | 16.3  | + [%]                 |                   |           |
| RET    |       | [10 <sup>9</sup> /L]  |                   | [%]       |
| IRF    |       | [Ratio]               |                   |           |
| RET-He |       | [pg]                  |                   |           |
| IPF    |       | [%]                   |                   |           |
| NRBC   | 0.00  | [10 <sup>9</sup> /L]  | 0.0               | [/100WBC] |
| PLT    | 202   | [10 <sup>9</sup> /L]  |                   |           |
| MPV    | 9.6   | [fL]                  |                   |           |
| PDW    | 10.7  | - [fL]                |                   |           |
| PCT    | 0.19  | [%]                   |                   |           |



30M (40r.)

Dg:  
lymfom  
z pláš'ové zóny

Manual Diff

RBC morf.

SEG \_\_\_\_\_ META \_\_\_\_\_ NORMAL \_\_\_\_\_ MICRO \_\_\_\_\_

BAND \_\_\_\_\_ MYELO \_\_\_\_\_ POLYCH \_\_\_\_\_ MAKRO \_\_\_\_\_

LYMPH \_\_\_\_\_ PRO \_\_\_\_\_ HYPOCH \_\_\_\_\_ ANISO \_\_\_\_\_

MONO \_\_\_\_\_ BLAST \_\_\_\_\_ POIK \_\_\_\_\_ BASOfip \_\_\_\_\_

EOSIN \_\_\_\_\_ VARLY \_\_\_\_\_ TARGET \_\_\_\_\_

BASO \_\_\_\_\_ TOXgran \_\_\_\_\_ SPHERO \_\_\_\_\_ NRBC \_\_\_\_\_

PLT EST \_\_\_\_\_ PLT morf \_\_\_\_\_

Comment: \_\_\_\_\_

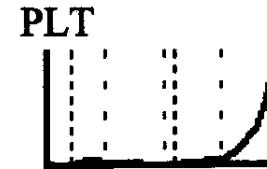
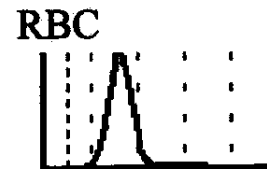
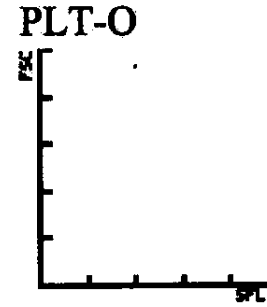
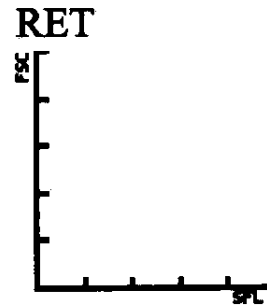
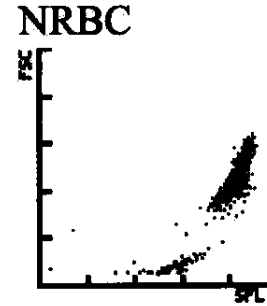
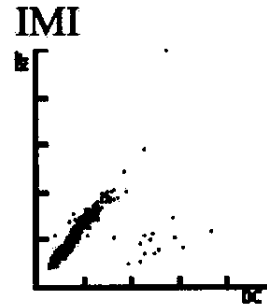
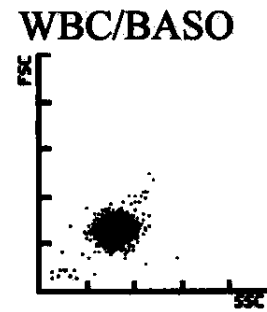
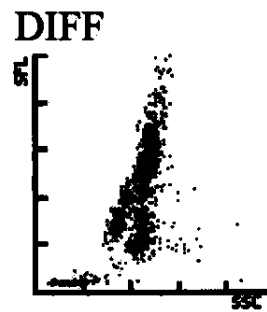
DIFF by: \_\_\_\_\_ Date: \_\_\_\_\_



31M (46r.)

Dg: AML

|                             |       |   |                       |      |           |
|-----------------------------|-------|---|-----------------------|------|-----------|
| WBC                         | 1.73  | - | [10 <sup>9</sup> /L]  |      |           |
| WBC IP Message(s)           |       |   |                       |      |           |
| Lymphocytosis               |       |   |                       |      |           |
| NEUT                        | 0.04  | * | [10 <sup>9</sup> /L]  | 2.3  | *[%]      |
| LYMPH                       | 0.87  | * | [10 <sup>9</sup> /L]  | 50.3 | *[%]      |
| MONO                        | 0.82  | * | [10 <sup>9</sup> /L]  | 47.4 | *[%]      |
| 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  | [%]       |
| Blasts?<br>Atypical Lympho? |       |   |                       |      |           |
| RBC                         | 2.61  | - | [10 <sup>12</sup> /L] |      |           |
| HGB                         | 74    | - | [g/L]                 |      |           |
| HCT                         | 0.214 | - | [Ratio]               |      |           |
| Microcytosis                |       |   |                       |      |           |
| MCV                         | 82.0  | - | [fL]                  |      |           |
| MCH                         | 28.4  | - | [pg]                  |      |           |
| MCHC                        | 346   | - | [g/L]                 |      |           |
| RDW-CV                      | 14.8  | - | [%]                   |      |           |
| RET                         |       |   | [10 <sup>9</sup> /L]  |      | [%]       |
| IRF                         |       |   | [Ratio]               |      |           |
| RET-He                      |       |   | [pg]                  |      |           |
| IPF                         |       |   | [%]                   |      |           |
| NRBC                        | 0.00  |   | [10 <sup>9</sup> /L]  | 0.0  | [/100WBC] |
| Thrombocytopenia            |       |   |                       |      |           |
| PLT                         | 4     | * | [10 <sup>9</sup> /L]  |      |           |
| MPV                         | 8.9   | - | [fL]                  |      |           |
| PDW                         | 7.5   | - | [%]                   |      |           |
| PCT                         | 0.00  | - | [%]                   |      |           |



Manual Diff

RBC morf.

SEG \_\_\_\_\_ META \_\_\_\_\_ NORMAL \_\_\_\_\_ MICRO \_\_\_\_\_

BAND \_\_\_\_\_ MYELO \_\_\_\_\_ POLYCH \_\_\_\_\_ MAKRO \_\_\_\_\_

LYMPH \_\_\_\_\_ PRO \_\_\_\_\_ HYPOCH \_\_\_\_\_ ANISO \_\_\_\_\_

MONO \_\_\_\_\_ BLAST \_\_\_\_\_ POIK \_\_\_\_\_ BASOtip \_\_\_\_\_

EOSIN \_\_\_\_\_ VARLY \_\_\_\_\_ TARGET \_\_\_\_\_

BASO \_\_\_\_\_ TOXgran \_\_\_\_\_ SPHERO \_\_\_\_\_ NRBC \_\_\_\_\_

PLT EST \_\_\_\_\_ PLT morf \_\_\_\_\_

Comment: \_\_\_\_\_

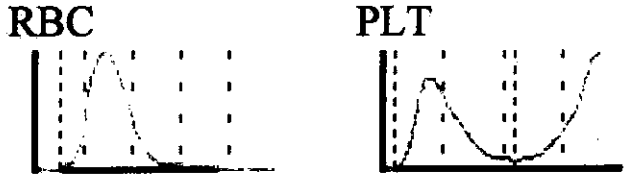
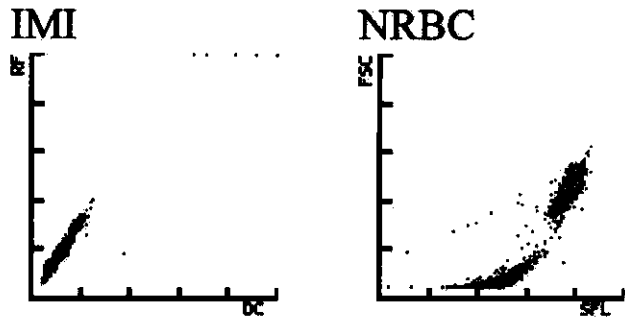
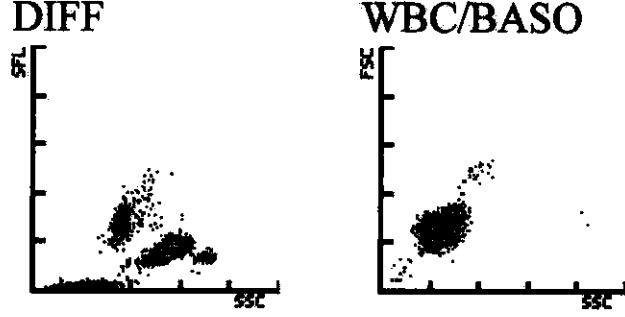
DIFF by: \_\_\_\_\_ Date: \_\_\_\_\_

32M (61r.)

Dg:  
Burkittuv lymfom

|        |       |                        |                   |
|--------|-------|------------------------|-------------------|
| WBC    | 7.45  | [10 <sup>9</sup> /L]   | WBC IP Message(s) |
| NEUT   | 6.54  | + [10 <sup>9</sup> /L] | 87.8 + [%]        |
| LYMPH  | 0.61  | - [10 <sup>9</sup> /L] | 8.2 - [%]         |
| MONO   | 0.13  | - [10 <sup>9</sup> /L] | 1.7 - [%]         |
| EO     | 0.14  | - [10 <sup>9</sup> /L] | 1.9 - [%]         |
| BASO   | 0.03  | - [10 <sup>9</sup> /L] | 0.4 [%]           |
| IG     | 0.01  | [10 <sup>9</sup> /L]   | 0.1 [%]           |
| RBC    | 4.30  | [10 <sup>12</sup> /L]  |                   |
| HGB    | 101   | - [g/L]                |                   |
| HCT    | 0.330 | - [Ratio]              | Anisocytosis      |
| MCV    | 76.7  | - [fL]                 |                   |
| MCH    | 23.5  | - [pg]                 |                   |
| MCHC   | 306   | - [g/L]                |                   |
| RDW-CV | 24.1  | + [%]                  |                   |
| RET    |       | [10 <sup>9</sup> /L]   | [%]               |
| IRF    |       | [Ratio]                |                   |

|      |       |                      |              |
|------|-------|----------------------|--------------|
| NRBC | 0.00  | [10 <sup>9</sup> /L] | 0.0 [100WBC] |
| PLT  | 382   | [10 <sup>9</sup> /L] |              |
| MPV  | 10.1  | [fL]                 |              |
| PDW  | 12.3  | [fL]                 |              |
| PCT  | 0.039 | + [L/L]              |              |



Manual Diff

SEG  META  NORMAL  MICRO

BAND  MYELO  POLYCH  MAKRO

LYMPH  PRO  HYPOCH  ANISO

MONO  BLAST  POIK  BASOtip

EOSIN  VARLY  TARGET

BASO  TOXgran  SPHERO  NRBC

PLT EST  PLT morf

Comment: \_\_\_\_\_

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

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

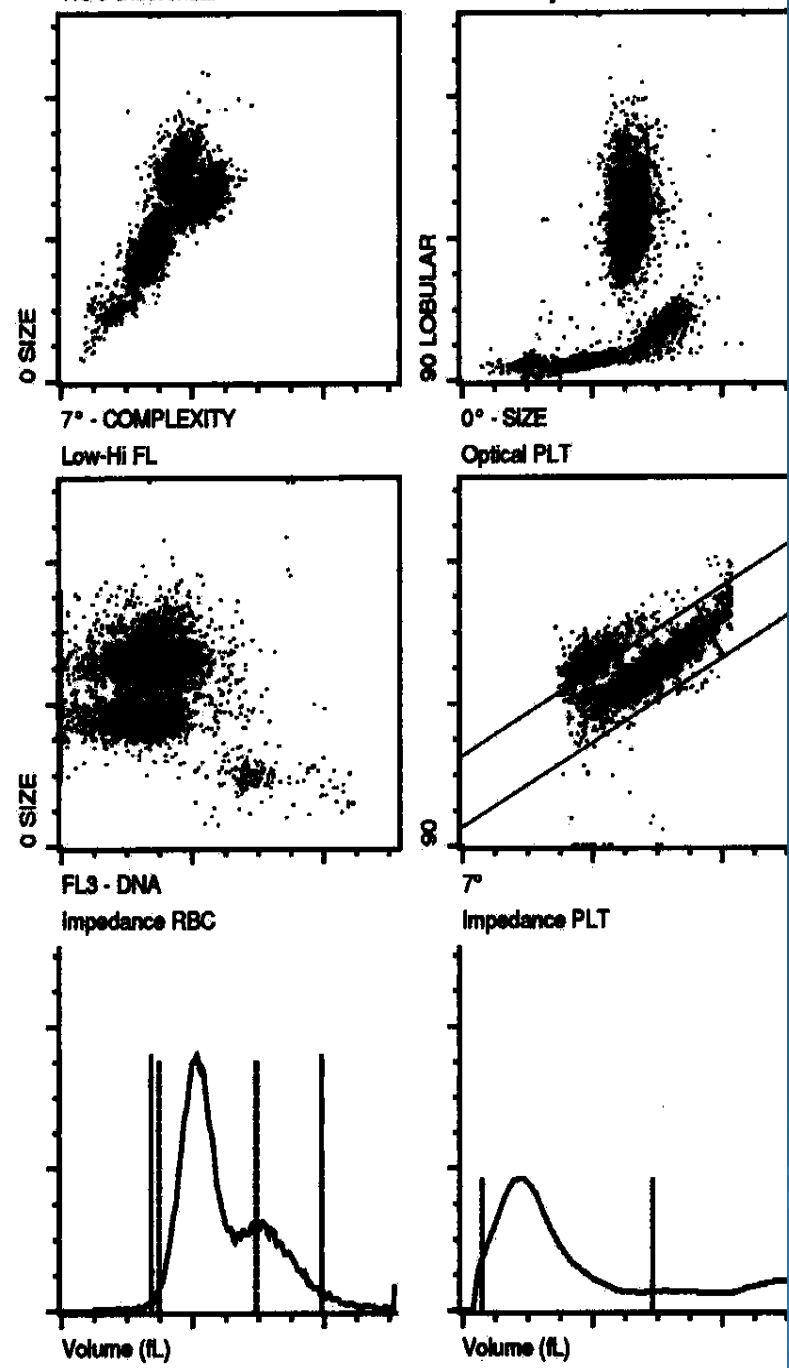
| X-B  | WBC   | RBC     | PLT  | RETC  |
|------|-------|---------|------|-------|
| -    | -     | -       | -    | -     |
| WBC  | 4.55  | 10e9/L  | WVF  | .954  |
| SEG  | 1.79  |         | %S   | 39.3  |
| BAND | 0.00  |         | %BD  | 0.00  |
| IG   | 0.00  |         | %IG  | 0.00  |
| BLST | 0.00  |         | %BL  | 0.00  |
| MONE | .431  |         | %Me  | 9.46  |
| EOS  | .028  |         | %E   | .623  |
| BASO | .019  |         | %B   | .412  |
| LYMe | 2.29  |         | %Le  | 50.2  |
| VARL | 0.00  |         | %VL  | 0.00  |
| RBC  | 2.67s | 10e12/L | RBCo | 2.67  |
| HGB  | 92.3  | g/L     | %MIC | 1.55  |
| HCT  | 263s  | L/L     | %MAC | 23.3  |
| MCV  | 98.4s | fL      | %HPO | ---   |
| MCH  | 34.5s | pg      | %HPR | ---   |
| MCHC | 351.s | g/L     |      |       |
| RDW  | 24.1s | %CV     |      |       |
| HDW  | ---   | %       |      |       |
| RETC | ---   | 10e9/L  | %R   | ---   |
| IRF  | ---   |         |      |       |
| NRBC | 0.00s | 10e9/L  | NRW  | 0.00s |
| MCVr | ---   | fL      |      |       |
| MCHr | ---   | pg      |      |       |
| CHCr | ---   | g/L     |      |       |
| PLTo | 22.4  | 10e9/L  | PLTi | 31.8  |
| MPV  | 11.1* | fL      | CD61 | ---   |
| PDW  | 13.4* | 10(GSD) | PLTs | ---   |
| PCT  | 247*  | mL/L    | PLTI | ---   |
| %rP  | ---   | %       |      |       |

\*InvalidData

FP?

ASYM

| Manual Differential | RBC Morphology |        |          |
|---------------------|----------------|--------|----------|
| SEG                 | META           | NORMAL | MICRO    |
| BAND                | MYELO          | POLYCH | MACRO    |
| LYMPH               | PRO            | HYPOCH | ANISO    |
| MONO                | BLAST          | POIK   | BASOSTIP |
| EOSIN               | VAR LYM        | TARGET |          |



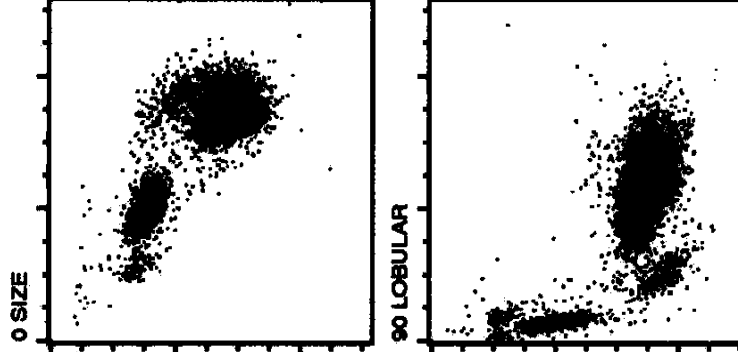
patologický KO

Lower, Upper, or Lower and Upper Region Interference in PLTI Histogram

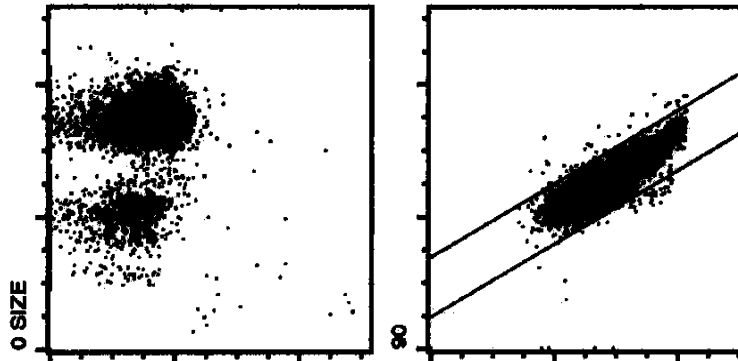
Doctor: 0638/10/05/2011  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

34M

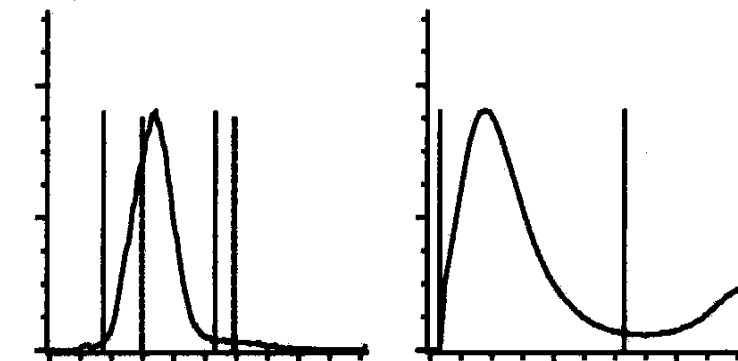
| X-B In | WBC In      | RBC In  | PLT In | RETC In     |
|--------|-------------|---------|--------|-------------|
| WBC    | 9.91        | 10e9/L  | WVF    | .992        |
| SEG    | <u>6.96</u> |         | %S     | <u>70.3</u> |
| BAND   | 0.00        |         | %BD    | 0.00        |
| IG     | 0.00        |         | %IG    | 0.00        |
| BLST   | 0.00        |         | %BL    | 0.00        |
| MONe   | .564        |         | %Me    | 5.70        |
| EOS    | .069        |         | %E     | .699        |
| BASO   | .018        |         | %B     | .179        |
| LYMe   | 2.30        |         | %Le    | 23.2        |
| VARL   | 0.00        |         | %VL    | 0.00        |
| RBC    | 5.47        | 10e12/L | RBCo   | 5.32        |
| HGB    | <u>120.</u> | g/L     | %MIC   | 29.9        |
| HCT    | <u>37.0</u> | L/L     | %MAC   | 0.00        |
| MCV    | <u>67.6</u> | fL      | %HPO   | ----        |
| MCH    | <u>22.0</u> | pg      | %HPR   | ----        |
| MCHC   | 326.        | g/L     |        |             |
| RDW    | <u>19.1</u> | %CV     |        |             |
| HDW    | ----        | %       |        |             |
| RETC   | ----        | 10e9/L  | %R     | ----        |
| IRF    | ----        |         |        |             |
| NRBC   | 0.00        | 10e9/L  | NRW    | 0.00        |
| MCVr   | ----        | fL      |        |             |
| MCHr   | ----        | pg      |        |             |
| CHCr   | ----        | g/L     |        |             |
| PLTo   | <u>455.</u> | 10e9/L  | PLTi   | <u>438.</u> |
| MPV    | 10.4        | fL      | CD61   | ----        |
| PDW    | 16.1        | 10(GSD) | PLTs   | ----        |
| PCT    | <u>4.73</u> | mL/L    | PLTI   | ----        |
| %rP    | ----        | %       |        |             |



7° - COMPLEXITY  
Low-Hi FL  
0° - SIZE  
Optical PLT



FL3 - DNA  
Impedance RBC  
7°  
Impedance PLT



Volume (fL)  
Volume (fL)

| Manual Differential | RBC Morphology |           |          |
|---------------------|----------------|-----------|----------|
| SEG                 | META           | NORMAL    | MICRO    |
| BAND                | MYELO          | POLYCH    | MACRO    |
| LYMPH               | PRO            | HYPOCH    | ANISO    |
| MONO                | BLAST          | POIK      | BASOSTIP |
| EOSIN               | VAR LYM        | TARGET    |          |
| BASO                | TOXGRAN        | SPHERO    | NRBC     |
| PLT EST             |                | PLT MORPH |          |

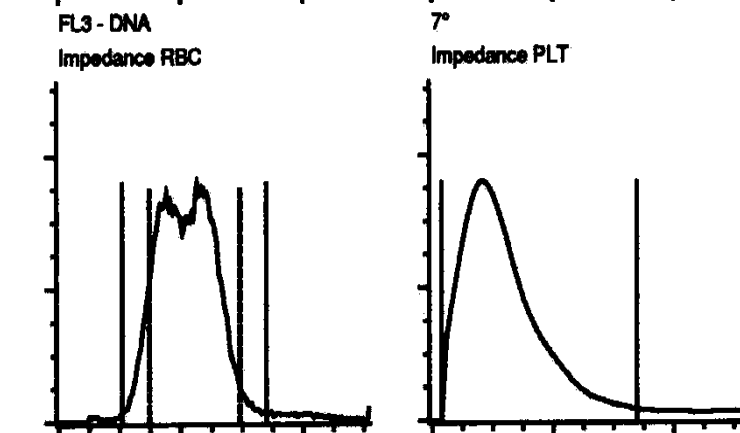
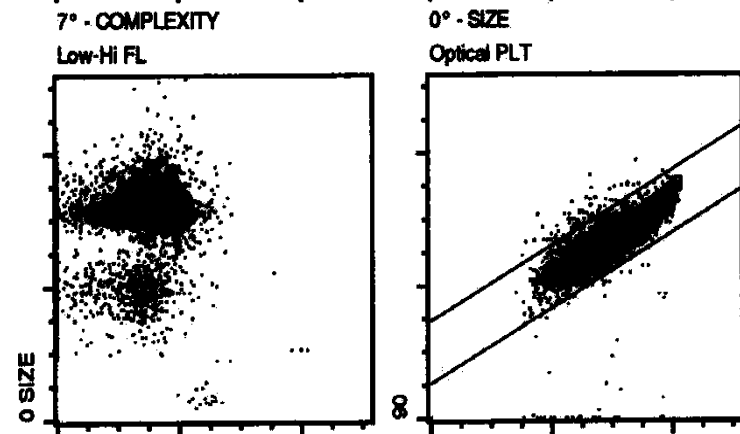
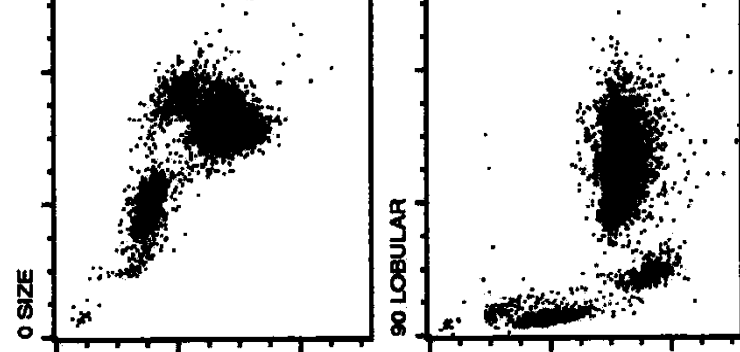
Comment:

Dg:  
 zhobný novotvar  
 tlustého střeva

Doctor: 0734/10/05/2011  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

| X-B In | WBC In       | RBC In  | PLT In | RETC In     |
|--------|--------------|---------|--------|-------------|
| WBC    | 9.92         | 10e9/L  | WVF    | .994        |
| SEG    | <u>7.51</u>  |         | %S     | <u>75.7</u> |
| BAND   | 0.00         |         | %BD    | 0.00        |
| IG     | 0.00         |         | %IG    | 0.00        |
| BLST   | 0.00         |         | %BL    | 0.00        |
| MCNe   | <u>.647</u>  |         | %Me    | 6.52        |
| EOS    | .178         |         | %E     | 1.79        |
| BASO   | .027         |         | %B     | .269        |
| LYMe   | 1.56         |         | %Le    | <u>15.7</u> |
| VARL   | 0.00         |         | %VL    | 0.00        |
| RBC    | 4.45s        | 10e12/L | RBCo   | 4.38        |
| HGB    | <u>129.</u>  | g/L     | %MIC   | 9.52        |
| HCT    | <u>.377s</u> | L/L     | %MAC   | 2.05        |
| MCV    | 84.7s        | fL      | %HPO   | ---         |
| MCH    | 29.1s        | pg      | %HPR   | ---         |
| MCHC   | 344.s        | g/L     |        |             |
| RDW    | <u>21.4s</u> | %CV     |        |             |
| HDW    | ---          | %       |        |             |
| RETC   | ---          | 10e9/L  | %R     | ---         |
| IRF    | ---          |         |        |             |
| NRBC   | 0.00         | 10e9/L  | NR/W   | 0.00        |
| MCVr   | ---          | fL      |        |             |
| MCHr   | ---          | pg      |        |             |
| CHCr   | ---          | g/L     |        |             |
| PLTo   | 297.         | 10e9/L  | PLTi   | 307.        |
| MPV    | 8.07         | fL      | CD61   | ---         |
| PDW    | 16.6         | 10(GSD) | PLTs   | ---         |
| PCT    | 2.40         | mL/L    | PLTI   | ---         |
| %rP    | ---          | %       |        |             |

ASYM



| Manual Differential | RBC Morphology |           |          |
|---------------------|----------------|-----------|----------|
| SEG                 | META           | NORMAL    | MICRO    |
| BAND                | MYELO          | POLYCH    | MAGRO    |
| LYMPH               | PRO            | HYPOCH    | ANISO    |
| MONO                | BLAST          | POIK      | BASOSTIP |
| EOSIN               | VAR LYM        | TARGET    |          |
| BASO                | TOXGRAN        | SPHERO    | NRBC     |
| PLT EST             |                | PLT MORPH |          |

Dg:  
 prodloužené  
 těhotenství



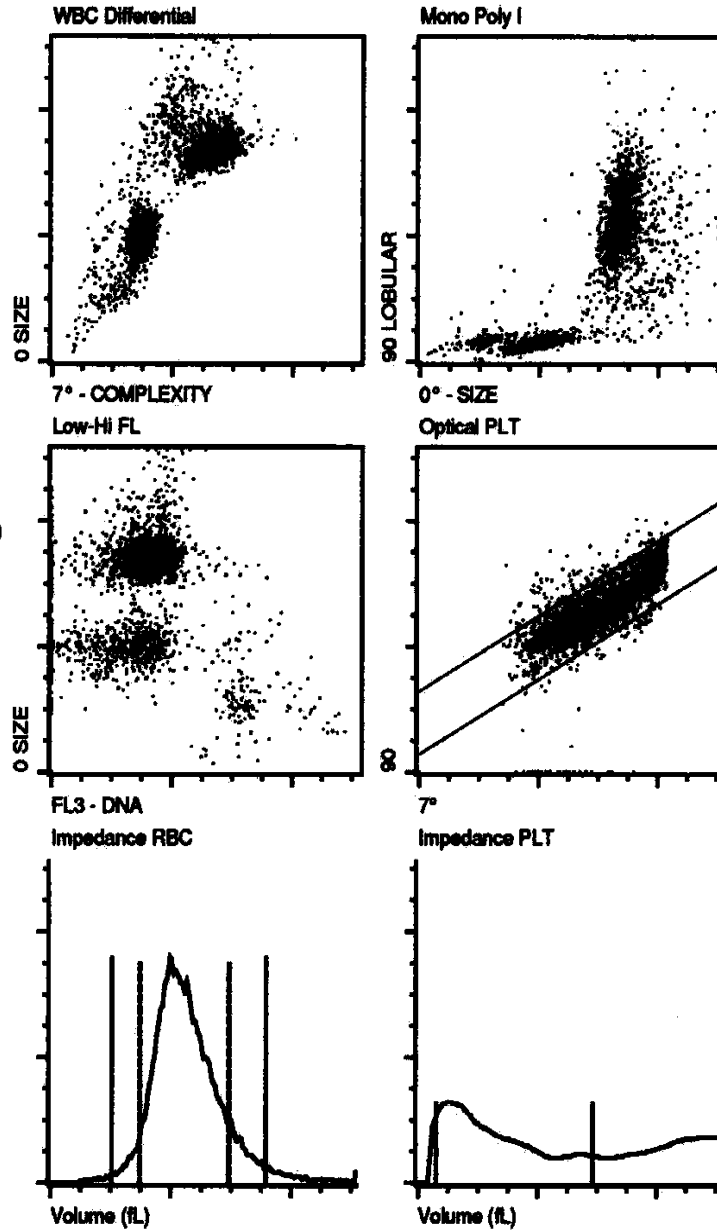
Dg:CML

Sex: M  
 Doctor: 0638/11/05/2011  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

| X-B In | WBC In | RBC In  | PLT In | RETC In |  |
|--------|--------|---------|--------|---------|--|
| WBC    | 3.50*  | 10e9/L  | WVF    | .925*   |  |
| SEG    | 1.71*  |         | %S     | 48.9*   |  |
| BAND   | 0.00*  |         | %BD    | 0.00*   |  |
| IG     | 0.00*  |         | %IG    | 0.00*   |  |
| BLST   | 0.00*  |         | %BL    | 0.00*   |  |
| MONe   | .149*  |         | %Me    | 4.25*   |  |
| EOS    | .061*  |         | %E     | 1.74*   |  |
| BASO   | 0.00*  |         | %B     | 0.00*   |  |
| LYMe   | 1.36*  |         | %Le    | 38.9*   |  |
| VARL   | .218*  |         | %VL    | 6.23*   |  |
| RBC    | 2.57   | 10e12/L | RBCo   | 2.59    |  |
| HGB    | 81.1   | g/L     | %MIC   | 4.88    |  |
| HCT    | 234    | L/L     | %MAC   | 10.7    |  |
| MCV    | 90.7   | fL      | %HPO   | ---     |  |
| MCH    | 31.5   | pg      | %HPR   | ---     |  |
| MCHC   | 347.   | g/L     |        |         |  |
| RDW    | 21.5   | %CV     |        |         |  |
| HDW    | ---    | %       |        |         |  |
| RETC   | ---    | 10e9/L  | %R     | ---     |  |
| IRF    | ---    |         |        |         |  |
| NRBC   | 0.00*  | 10e9/L  | NRW    | 0.00*   |  |
| MCVr   | ---    | fL      |        |         |  |
| MCHr   | ---    | pg      |        |         |  |
| CHCr   | ---    | g/L     |        |         |  |
| PLTo   | 15.2   | 10e9/L  | PLTI   | 29.4    |  |
| MPV    | 14.1   | fL      | CD61   | ---     |  |
| PDW    | 22.2   | 10(GSD) | PLTs   | ---     |  |
| PCT    | 215    | mL/L    | PLTI   | ---     |  |
| %rP    | ---    | %       |        |         |  |

\*InvalidData

FP?  
 VARLYM 0.50



Unidentified Fluorescent Population Greater than Preset Limit

| Manual Differential | RBC Morphology |           |          |
|---------------------|----------------|-----------|----------|
| SEG                 | META           | NORMAL    | MICRO    |
| BAND                | MYELO          | POLYCH    | MACRO    |
| LYMPH               | PRO            | HYPOCH    | ANISO    |
| MONO                | BLAST          | POIK      | BASOSTIP |
| EOSH                | VAR LYM        | TARGET    |          |
| BASO                | TOXGRAN        | SPHERO    | NRBC     |
| PLT.EST             |                | PLT MORPH |          |

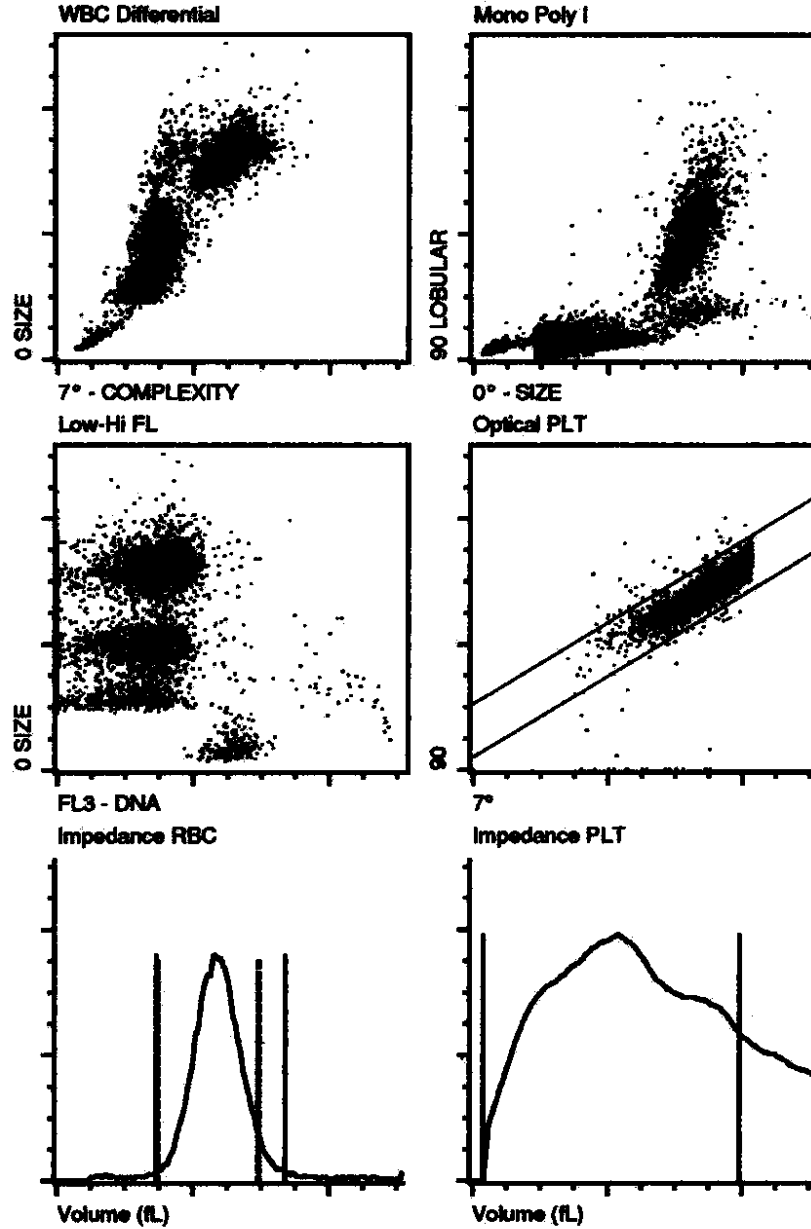
Comment:  
 DIFF by: \_\_\_\_\_ Date: \_\_\_\_\_

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

| X-B  | WBC   | RBC     | PLT  | RETC  |              |
|------|-------|---------|------|-------|--------------|
| -    | -     | -       | -    | -     | *InvalidData |
| WBC  | 1.78  | 10e9/L  | WVF  | .981  |              |
| SEG  | .911  |         | %S   | 51.3  |              |
| BAND | 0.00  |         | %BD  | 0.00  |              |
| IG   | 0.00  |         | %IG  | 0.00  |              |
| BLST | 0.00  |         | %BL  | 0.00  |              |
| MONe | .116  |         | %Me  | 6.51  |              |
| EOS  | .015  |         | %E   | .827  |              |
| BASO | .010  |         | %B   | .587  |              |
| LYMe | .724  |         | %Le  | 40.8  |              |
| VARL | 0.00  |         | %VL  | 0.00  |              |
| RBC  | 3.15  | 10e12/L | RBCo | 3.19  |              |
| HGB  | 103.  | g/L     | %MIC | 2.27  |              |
| HCT  | .302  | L/L     | %MAC | 5.31  |              |
| MCV  | 95.9  | fL      | %HPO | ----  |              |
| MCH  | 32.6  | pg      | %HPR | ----  |              |
| MCHC | 340.  | g/L     |      |       |              |
| RDW  | 14.2  | %CV     |      |       |              |
| HDW  | ----  | %       |      |       |              |
| RETC | ----  | 10e9/L  | %R   | ----  |              |
| IRF  | ----  |         |      |       |              |
| NRBC | 0.00  | 10e9/L  | NRW  | 0.00  |              |
| MCVr | ----  | fL      |      |       |              |
| MCHr | ----  | pg      |      |       |              |
| CHCr | ----  | g/L     |      |       |              |
| PLTo | 26.9* | 10e9/L  | PLTi | 63.1* | PltClmp      |
| MPV  | 15.8* | fL      | CD61 | 83.7  |              |
| PDW  | 13.9* | 10(GSD) | PLTs | .008  |              |
| PCT  | 425*  | mL/L    | PLTI | 24.5  |              |
| %rP  | ----  | %       |      |       |              |

| Manual Differential | RBC Morphology |           |          |
|---------------------|----------------|-----------|----------|
| SEG                 | META           | NORMAL    | MICRO    |
| BAND                | MYELO          | POLYCH    | MACRO    |
| LYMPH               | PRO            | HYPOCH    | ANISO    |
| MONO                | BLAST          | POIK      | BASOSTIP |
| EOSIN               | VAR LYM        | TARGET    |          |
| BASO                | TOXGRAN        | SPHERO    | NRBC     |
| PLT EST             |                | PLT MORPH |          |

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



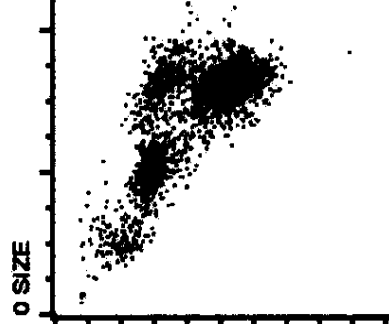
Interference with PLT Results Due to PLT Clumping  
 PIC/POC Delta

Dg:MDS

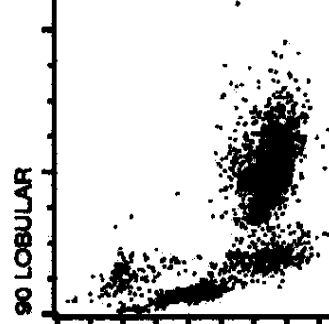
User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

| X-B In | WBC In | RBC In  | PLT In | RETC In |
|--------|--------|---------|--------|---------|
| WBC    | 3.88   | 10e9/L  | WVF    | .991    |
| SEG    | 2.21   |         | %S     | 57.0    |
| BAND   | 0.00   |         | %BD    | 0.00    |
| IG     | 0.00   |         | %IG    | 0.00    |
| BLST   | 0.00   |         | %BL    | 0.00    |
| MCNe   | .476   |         | %Me    | 12.3    |
| EOS    | .175   |         | %E     | 4.52    |
| BASO   | .032   |         | %B     | .834    |
| LYMe   | .983   |         | %Le    | 25.4    |
| VARL   | 0.00   |         | %VL    | 0.00    |
| RBC    | 2.38s  | 10e12/L | RBCo   | 2.37    |
| HGB    | 77.8   | g/L     | %MIC   | 6.79    |
| HCT    | 226s   | L/L     | %MAC   | 15.0    |
| MCV    | 95.0s  | fL      | %HPO   | ---     |
| MCH    | 32.7s  | pg      | %HPR   | ---     |
| MCHC   | 345.s  | g/L     |        |         |
| RDW    | 24.8s  | %CV     |        |         |
| HDW    | ---    | %       |        |         |
| RETC   | ---    | 10e9/L  | %R     | ---     |
| IRF    | ---    |         |        |         |
| NRBC   | .145   | 10e9/L  | NRW    | 3.73    |
| MCVr   | ---    | fL      |        |         |
| MCHr   | ---    | pg      |        |         |
| CHCr   | ---    | g/L     |        |         |
| PLTo   | 250.   | 10e9/L  | PLTi   | 265.    |
| MPV    | 8.13   | fL      | CD61   | ---     |
| PDW    | 16.0   | 10(GSD) | PLTs   | ---     |
| PCT    | 2.03   | mL/L    | PLTI   | ---     |
| %rP    | ---    | %       |        |         |

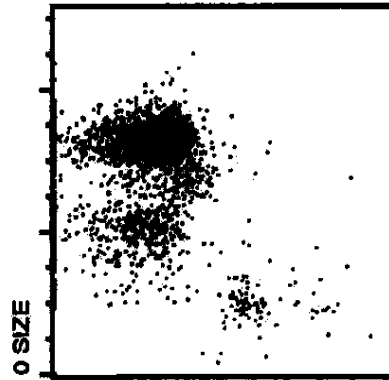
ASYM



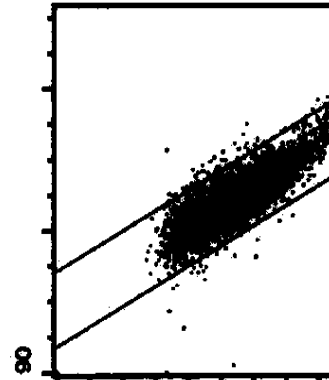
7° - COMPLEXITY  
 Low-HI FL



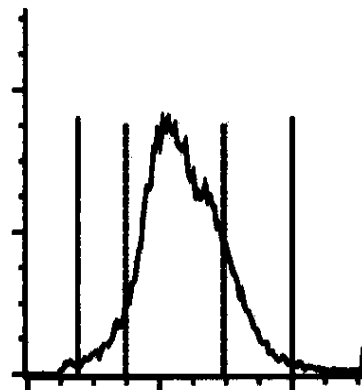
0° - SIZE  
 Optical PLT



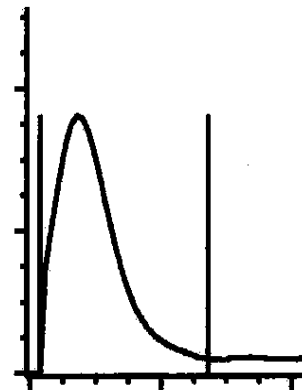
FL3 - DNA  
 Impedance RBC



7°  
 Impedance PLT



Volume (fL)



Volume (fL)

| Manual Differential | RBC Morphology |           |          |
|---------------------|----------------|-----------|----------|
| SEG                 | META           | NORMAL    | MICRO    |
| BAND                | MYELO          | POLYCH    | MACRO    |
| LYMPH               | PRO            | HYPOCH    | ANISO    |
| MONO                | BLAST          | POIK      | BASOSTIP |
| EOSIN               | VAR LYM        | TARGET    |          |
| BASO                | TOXGRAN        | SPHERO    | NRBC     |
| PLT EST             |                | PLT MORPH |          |

Dg:  
 MDS - RA



Doctor: 0600/11/05/2011  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

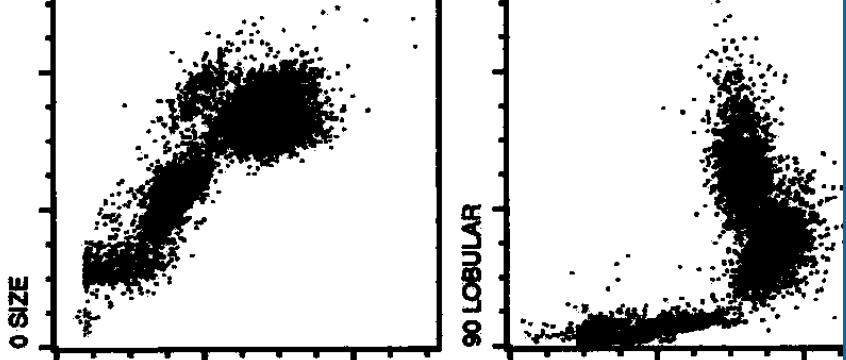
| X-B In | WBC In | RBC In  | PLT In | RETC In |
|--------|--------|---------|--------|---------|
| WBC    | 9.61   | 10e9/L  | WVF    | .963    |
| SEG    | 2.81   |         | %S     | 29.2    |
| BAND   | 0.00   |         | %BD    | 0.00    |
| IG     | .533   |         | %IG    | 5.54    |
| BLST   | 0.00   |         | %BL    | 0.00    |
| MONE   | .234   |         | %Me    | 2.44    |
| EOS    | 2.72   |         | %E     | 28.3    |
| BASO   | .148   |         | %B     | 1.54    |
| LYMe   | 3.17   |         | %Le    | 33.0    |
| VARL   | 0.00   |         | %VL    | 0.00    |
| RBC    | 3.24   | 10e12/L | RBCo   | 3.24    |
| HGB    | 97.6   | g/L     | %MIC   | 9.42    |
| HCT    | .303   | L/L     | %MAC   | 11.9    |
| MCV    | 93.3   | fL      | %HPO   | ---     |
| MCH    | 30.1   | pg      | %HPR   | ---     |
| MCHC   | 322.   | g/L     |        |         |
| RDW    | 26.4   | %CV     |        |         |
| HDW    | ---    | %       |        |         |
| RETC   | ---    | 10e9/L  | %R     | ---     |
| IRF    | ---    |         |        |         |
| NRBC   | 0.00s  | 10e9/L  | NRW    | 0.00s   |
| MCVr   | ---    | fL      |        |         |
| MCHr   | ---    | pg      |        |         |
| CHCr   | ---    | g/L     |        |         |
| PLTo   | 45.1   | 10e9/L  | PLTi   | 61.9    |
| MPV    | 11.6*  | fL      | CD61   | ---     |
| PDW    | 20.0*  | 10(GSD) | PLTs   | ---     |
| PCT    | .522*  | mL/L    | PLTI   | ---     |
| %rP    | ---    | %       |        |         |

| Manual Differential | RBC Morphology |           |          |
|---------------------|----------------|-----------|----------|
| SEG                 | META           | NORMAL    | MICRO    |
| BAND                | MYELO          | POLYCH    | MACRO    |
| LYMPH               | PRO            | HYPOCH    | ANISO    |
| MONO                | BLAST          | POIK      | BASOSTIP |
| EOSIN               | VAR LYM        | TARGET    |          |
| BASO                | TOXGRAN        | SPHERO    | NRBC     |
| PLT EST             |                | PIT MORPH |          |

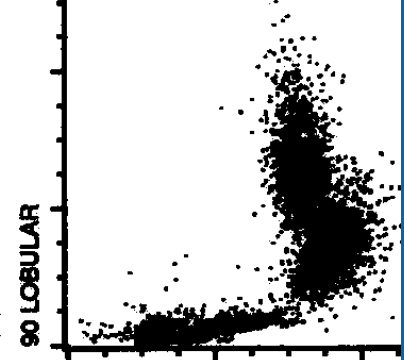
\*InvalidData

IG 0.68

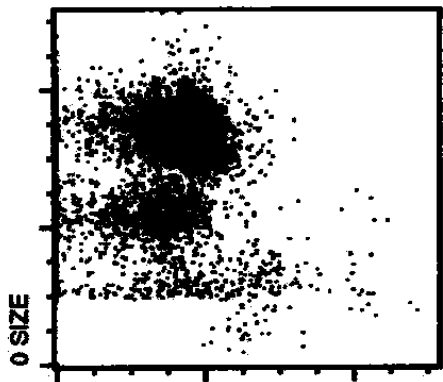
FP?



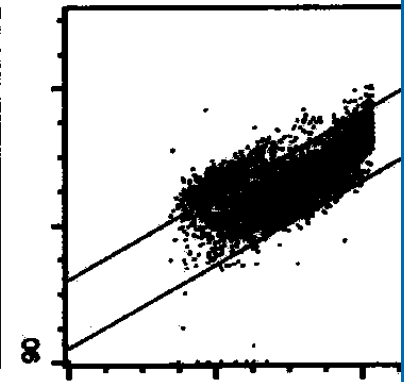
7° - COMPLEXITY  
Low-Hi FL



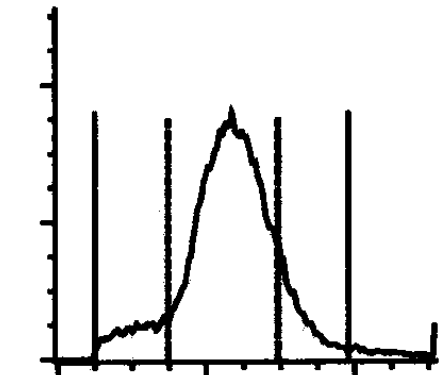
90 LOBULAR  
Optical PLT



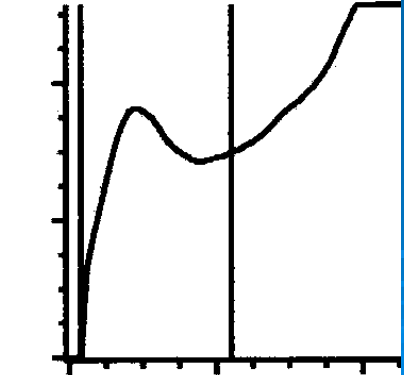
FL3 - DNA  
Impedance RBC



7°  
Impedance PLT



Volume (fL)



Volume (fL)

Lower, Upper, or Lower and Upper Region Interference in PLTI Histogram

39M

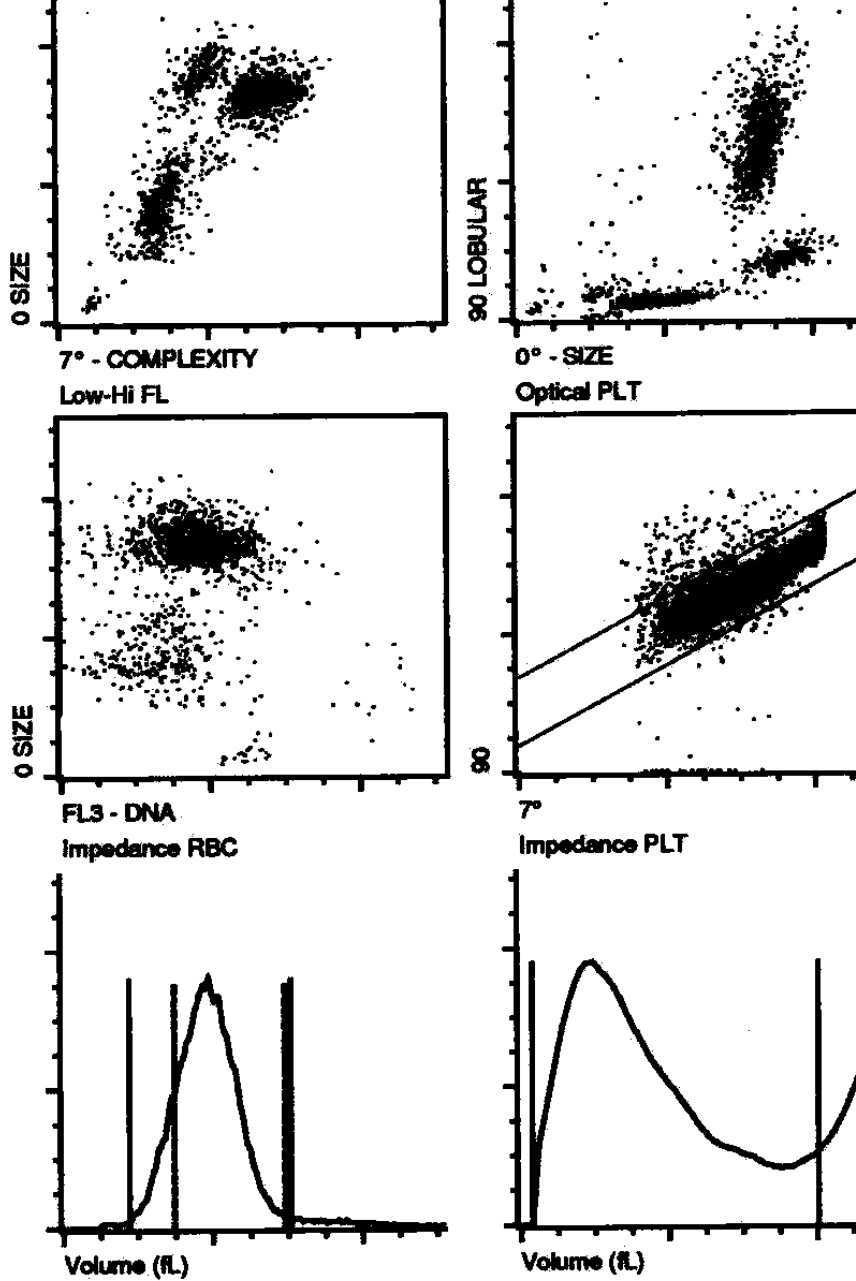
Dg: MDS

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

| X-B In | WBC In       | RBC In  | PLT In | RETC In     |  |
|--------|--------------|---------|--------|-------------|--|
| WBC    | <u>2.28</u>  | 10e9/L  | WVF    | .953        |  |
| SEG    | <u>1.14</u>  |         | %S     | 50.2        |  |
| BAND   | 0.00         |         | %BD    | 0.00        |  |
| IG     | 0.00         |         | %IG    | 0.00        |  |
| BLST   | 0.00         |         | %BL    | 0.00        |  |
| MONe   | .319         |         | %Me    | <u>14.0</u> |  |
| EOS    | .139         |         | %E     | <u>6.09</u> |  |
| BASO   | .042         |         | %B     | <u>1.83</u> |  |
| LYMe   | <u>.635</u>  |         | %Le    | 27.9        |  |
| VARL   | 0.00         |         | %VL    | 0.00        |  |
| RBC    | 4.09         | 10e12/L | RBCo   | 4.03        |  |
| HGB    | <u>102.</u>  | g/L     | %MIC   | 15.3        |  |
| HCT    | <u>.316</u>  | L/L     | %MAC   | 1.63        |  |
| MCV    | <u>77.3</u>  | fL      | %HPO   | ----        |  |
| MCH    | <u>24.9</u>  | pg      | %HPR   | ----        |  |
| MCHC   | <u>322.</u>  | g/L     |        |             |  |
| RDW    | <u>20.5</u>  | %CV     |        |             |  |
| HDW    | ----         | %       |        |             |  |
| RETC   | ----         | 10e9/L  | %R     | ----        |  |
| IRF    | ----         |         |        |             |  |
| NRBC   | 0.00         | 10e9/L  | NRW    | 0.00        |  |
| MCVr   | ----         | fL      |        |             |  |
| MCHr   | ----         | pg      |        |             |  |
| CHCr   | ----         | g/L     |        |             |  |
| PLTo   | <u>73.9</u>  | 10e9/L  | PLTi   | <u>99.1</u> |  |
| MPV    | <u>7.98*</u> | fL      | CD61   | ----        |  |
| PDW    | <u>15.9*</u> | 10(GSD) | PLTs   | ----        |  |
| PCT    | <u>.589*</u> | mL/L    | PLTI   | ----        |  |
| %rP    | ----         | %       |        |             |  |

\*InvalidData

| Manual Differential | RBC Morphology |           |          |
|---------------------|----------------|-----------|----------|
| SEG                 | META           | NORMAL    | MICRO    |
| BAND                | MYELO          | POLYCH    | MACRO    |
| LYMPH               | PRO            | HYPOCH    | ANISO    |
| MONO                | BLAST          | POIK      | BASOSTIP |
| EOSIN               | VAR LYM        | TARGET    |          |
| BASO                | TOXGRAN        | SPHERO    | NRBC     |
| PLT EST             |                | PLT MORPH |          |



41M

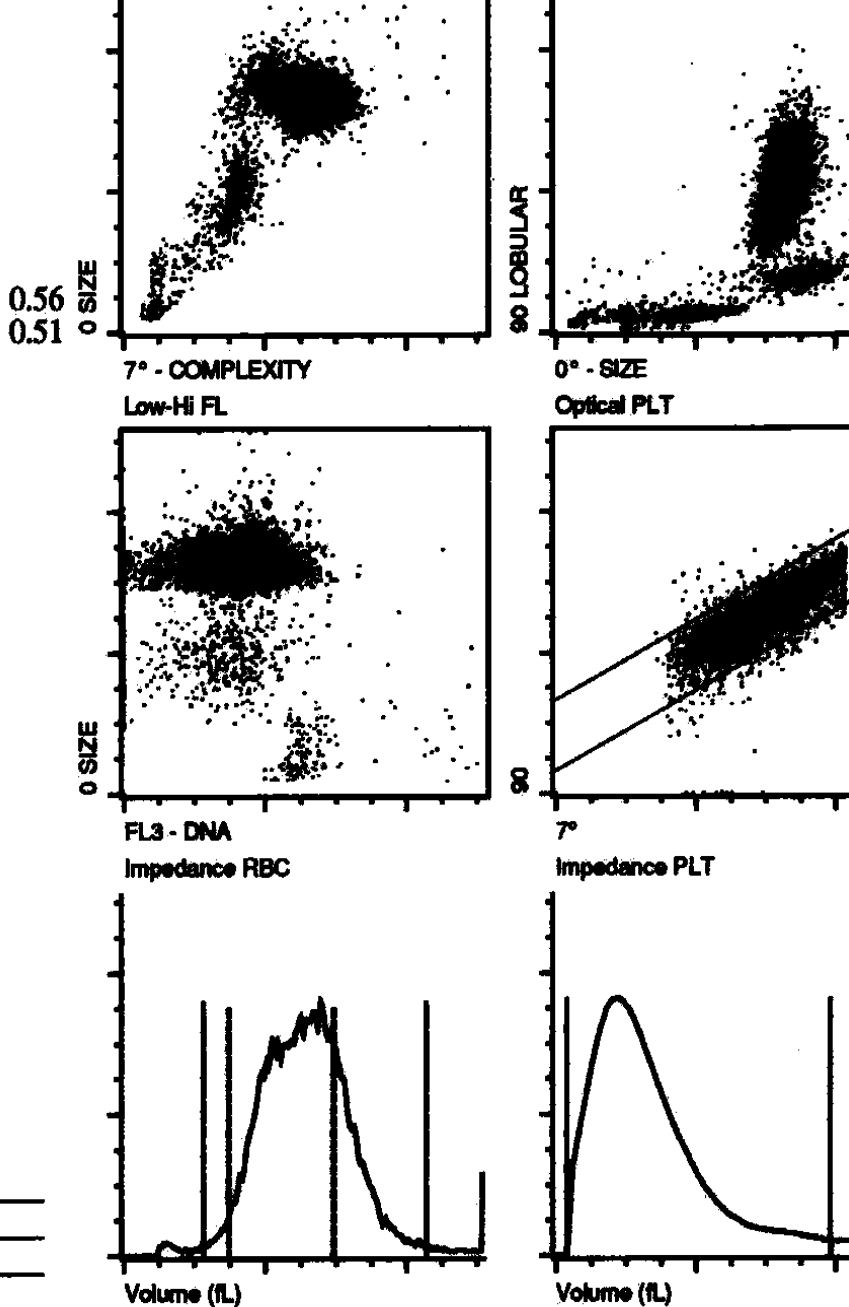
Dg:  
nemoc jater

Lower, Upper, or Lower and Upper Region Interference in PLTI Histogram

Dg:  
zhoubný  
novotvar

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

| X-B In | WBC In       | RBC In  | PLT In | RETC In     |      |      |
|--------|--------------|---------|--------|-------------|------|------|
| WBC    | <u>24.0</u>  | 10e9/L  | WVF    | .973        |      |      |
| SEG    | <u>17.4</u>  |         | %S     | <u>72.2</u> |      |      |
| BAND   | 1.24         |         | %BD    | 5.17        | BAND | 0.56 |
| IG     | .875         |         | %IG    | 3.64        | IG   | 0.51 |
| BLST   | 0.00         |         | %BL    | 0.00        |      |      |
| MONe   | <u>2.03</u>  |         | %Me    | 8.44        |      |      |
| EOS    | .067         |         | %E     | .280        |      |      |
| BASO   | .026         |         | %B     | .107        |      |      |
| LYMe   | 2.44         |         | %Le    | <u>10.1</u> |      |      |
| VARL   | 0.00         |         | %VL    | 0.00        |      |      |
| RBC    | <u>2.87s</u> | 10e12/L | RBCo   | <u>2.86</u> |      |      |
| HGB    | <u>95.4</u>  | g/L     | %MIC   | 3.36        |      |      |
| HCT    | <u>298s</u>  | L/L     | %MAC   | 24.5        | ASYM |      |
| MCV    | <u>104.s</u> | fL      | %HPO   | ---         |      |      |
| MCH    | 33.2s        | pg      | %HPR   | ---         |      |      |
| MCHC   | 320.s        | g/L     |        |             |      |      |
| RDW    | <u>22.3s</u> | %CV     |        |             |      |      |
| HDW    | ---          | %       |        |             |      |      |
| RETC   | ---          | 10e9/L  | %R     | ---         |      |      |
| IRF    | ---          |         |        |             |      |      |
| NRBC   | .184         | 10e9/L  | NRW    | .766        |      |      |
| MCVr   | ---          | fL      |        |             |      |      |
| MCHr   | ---          | pg      |        |             |      |      |
| CHCr   | ---          | g/L     |        |             |      |      |
| PLTo   | 224.         | 10e9/L  | PLTi   | 262.        |      |      |
| MPV    | 8.89         | fL      | CD61   | ---         |      |      |
| PDW    | 17.0         | 10(GSD) | PLTs   | ---         |      |      |
| PCT    | 1.99         | mL/L    | PLTI   | ---         |      |      |
| %rP    | ---          | %       |        |             |      |      |



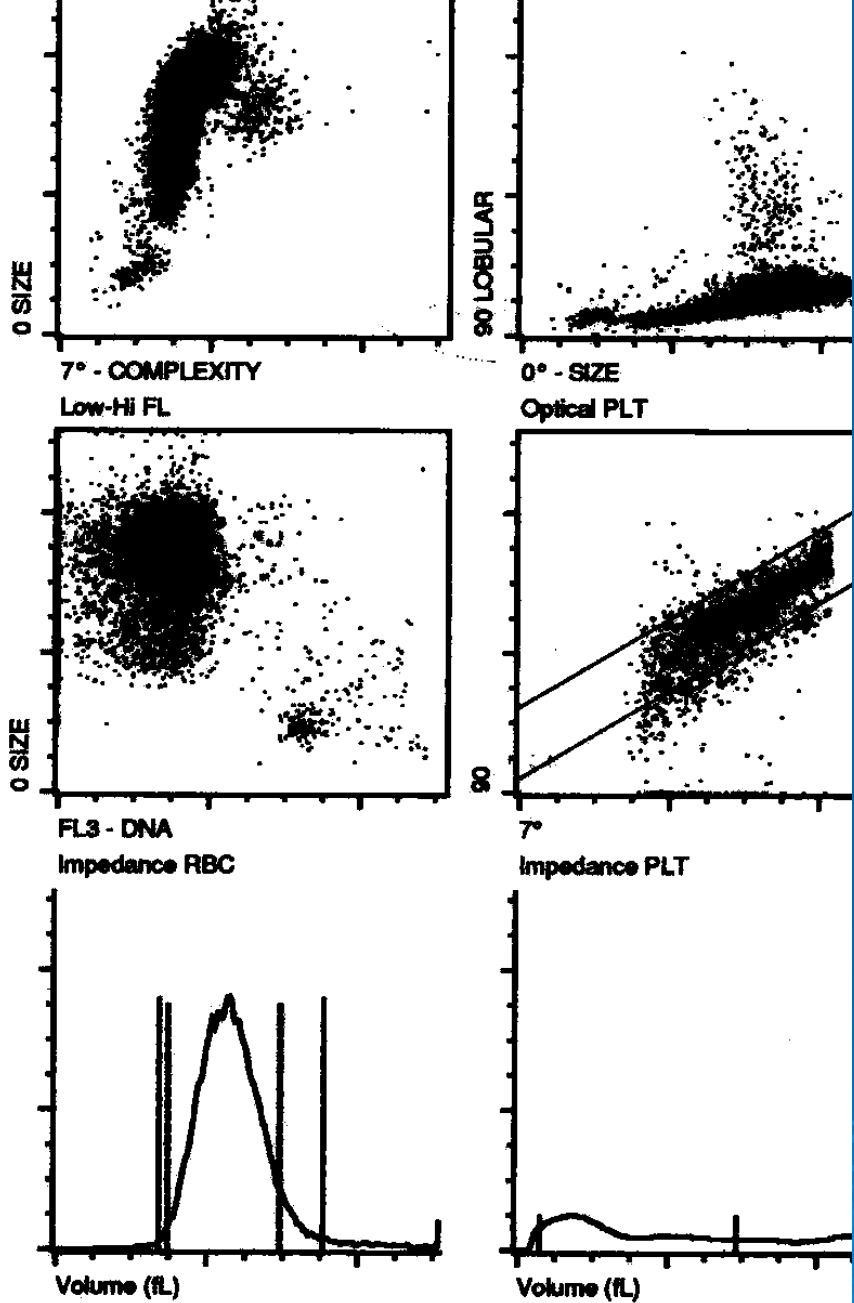
| Manual Differential | RBC Morphology |        |          |
|---------------------|----------------|--------|----------|
| SEG                 | META           | NORMAL | MICRO    |
| BAND                | MYELO          | POLYCH | MACRO    |
| LYMPH               | PRO            | HYPOCH | ANISO    |
| MONO                | BLAST          | PCIK   | BASOSTIP |
| EOSIN               | VAR LYM        | TARGET |          |
| BASO                | TOXGRAN        | SPHERO | NRBC     |

Dg: AML

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

| X-B In | WBC In       | RBC In  | PLT In | RETC In      |             |
|--------|--------------|---------|--------|--------------|-------------|
| WBC    | <u>18.0</u>  | 10e9/L  | WVF    | .980         |             |
| SEG    | <u>.097</u>  |         | %S     | <u>.540</u>  |             |
| BAND   | 0.00         |         | %BD    | 0.00         |             |
| IG     | .011         |         | %IG    | .062         | IG 0.54     |
| BLST   | 10.4*        |         | %BL    | 57.5*        | BLAST 0.90  |
| MONe   | <u>4.59*</u> |         | %Me    | <u>25.5*</u> |             |
| EOS    | .140         |         | %E     | .778         |             |
| BASO   | 0.00         |         | %B     | 0.00         |             |
| LYMe   | 2.64*        |         | %Le    | <u>14.7*</u> |             |
| VARL   | <u>.170*</u> |         | %VL    | <u>.944*</u> | VARLYM 0.50 |
| RBC    | <u>3.34</u>  | 10e12/L | RBCo   | <u>3.45</u>  |             |
| HGB    | <u>110.</u>  | g/L     | %MIC   | 1.34         |             |
| HCT    | <u>.313</u>  | L/L     | %MAC   | 7.49         |             |
| MCV    | 93.8         | fL      | %HPO   | ---          |             |
| MCH    | 33.0         | pg      | %HPR   | ---          |             |
| MCHC   | 352.         | g/L     |        |              |             |
| RDW    | <u>17.3</u>  | %CV     |        |              |             |
| HDW    | ---          | %       |        |              |             |
| RETC   | ---          | 10e9/L  | %R     | ---          |             |
| IRF    | ---          |         |        |              |             |
| NRBC   | .611         | 10e9/L  | NRW    | 3.39         |             |
| MCVr   | ---          | fL      |        |              |             |
| MCHr   | ---          | pg      |        |              |             |
| CHCr   | ---          | g/L     |        |              |             |
| PLTo   | <u>5.54</u>  | 10e9/L  | PLTI   |              |             |
| MPV    | <u>13.6</u>  | fL      | CD61   | ---          |             |
| PDW    | <u>12.2</u>  | 10(GSD) | PLTs   | ---          |             |
| PCT    | <u>.075</u>  | mL/L    | PLTI   | ---          |             |
| %rP    | ---          | %       |        |              |             |

| Manual Differential | RBC Morphology |           |          |
|---------------------|----------------|-----------|----------|
| SEG                 | META           | NORMAL    | MICRO    |
| BAND                | MYELO          | POLYCH    | MACRO    |
| LYMPH               | PRO            | HYPOCH    | ANISO    |
| MONO                | BLAST          | POIK      | BASOSTIP |
| EOSIN               | VARLYM         | TARGET    |          |
| BASO                | TOXGRAN        | SPHERO    | NRBC     |
| PIT EST             |                | PLT MORPH |          |

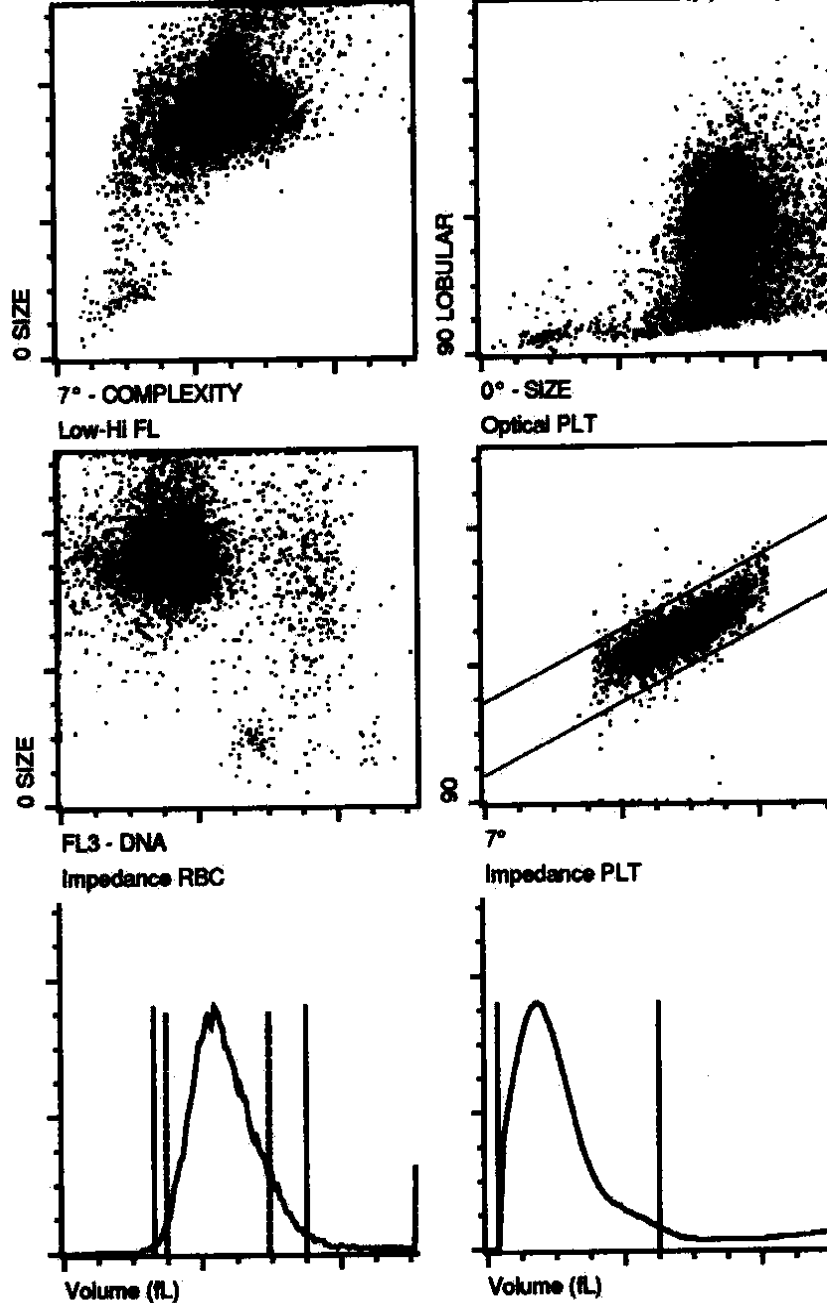


Unable to Find Clear Separation Between WBC Subpopulations

Sex: M  
 Doctor: 0679/13/05/2011  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

47M

| X-B In | WBC In | RBC In  | PLT In | RETC In | *InvalidData |
|--------|--------|---------|--------|---------|--------------|
| WBC    | 66.7   | 10e9/L  | WVF    | .889    | nvWBC        |
| SEG    | 20.1*  |         | %S     | 30.2*   |              |
| BAND   | 8.70*  |         | %BD    | 13.0*   | BAND 0.90    |
| IG     | 5.46*  |         | %IG    | 8.18*   | IG 0.90      |
| BLST   | 4.21*  |         | %BL    | 6.31*   | BLAST 0.90   |
| MONe   | 6.42*  |         | %Me    | 9.63*   |              |
| EOS    | 18.6*  |         | %E     | 27.9*   |              |
| BASO   | 245*   |         | %B     | .367*   |              |
| LYMe   | 2.93*  |         | %Le    | 4.40*   |              |
| VARL   | 0.00*  |         | %VL    | 0.00*   |              |
| RBC    | 3.32   | 10e12/L | RBCo   | 3.34    |              |
| HGB    | 106.   | g/L     | %MIC   | 1.93    |              |
| HCT    | .311   | L/L     | %MAC   | 10.9    |              |
| MCV    | 93.8   | fL      | %HPO   | ---     |              |
| MCH    | 31.9   | pg      | %HPR   | ---     |              |
| MCHC   | 340.   | g/L     |        |         |              |
| RDW    | 18.9   | %CV     |        |         |              |
| HDW    | ---    | %       |        |         |              |
| RETC   | ---    | 10e9/L  | %R     | ---     |              |
| IRF    | ---    |         |        |         |              |
| NRBC   | 1.20   | 10e9/L  | NRW    | 1.80    |              |
| MCVr   | ---    | fL      |        |         |              |
| MCHr   | ---    | pg      |        |         |              |
| CHCr   | ---    | g/L     |        |         |              |
| PLTo   | 67.0   | 10e9/L  | PLTi   | 74.3    |              |
| MPV    | 7.54   | fL      | CD61   | ---     |              |
| PDW    | 16.9   | 10(GSD) | PLTs   | ---     |              |
| PCT    | .505   | mL/L    | PLTI   | ---     |              |
| %rP    | ---    | %       |        |         |              |



Unable to Find Clear Separation Between WBC Subpopulations

Dg:  
 nemoci  
 bílých  
 krvinek,  
 eozinofílie

| Manual Differential | RBC Morphology |        |          |
|---------------------|----------------|--------|----------|
| SEG                 | META           | NORMAL | MICRO    |
| BAND                | MYELO          | POLYCH | MACRO    |
| LYMPH               | PRO            | HYPOCH | ANISO    |
| MONO                | BLAST          | POIK   | BASOSTIP |
| EOSIN               | VAR LYM        | TARGET |          |
| BASO                | TOXGRAN        | SPHERO | NRBC     |

Doctor: 0617/13/05/2011

User Defined A:

User Defined B:

User Defined C:

User Defined D:

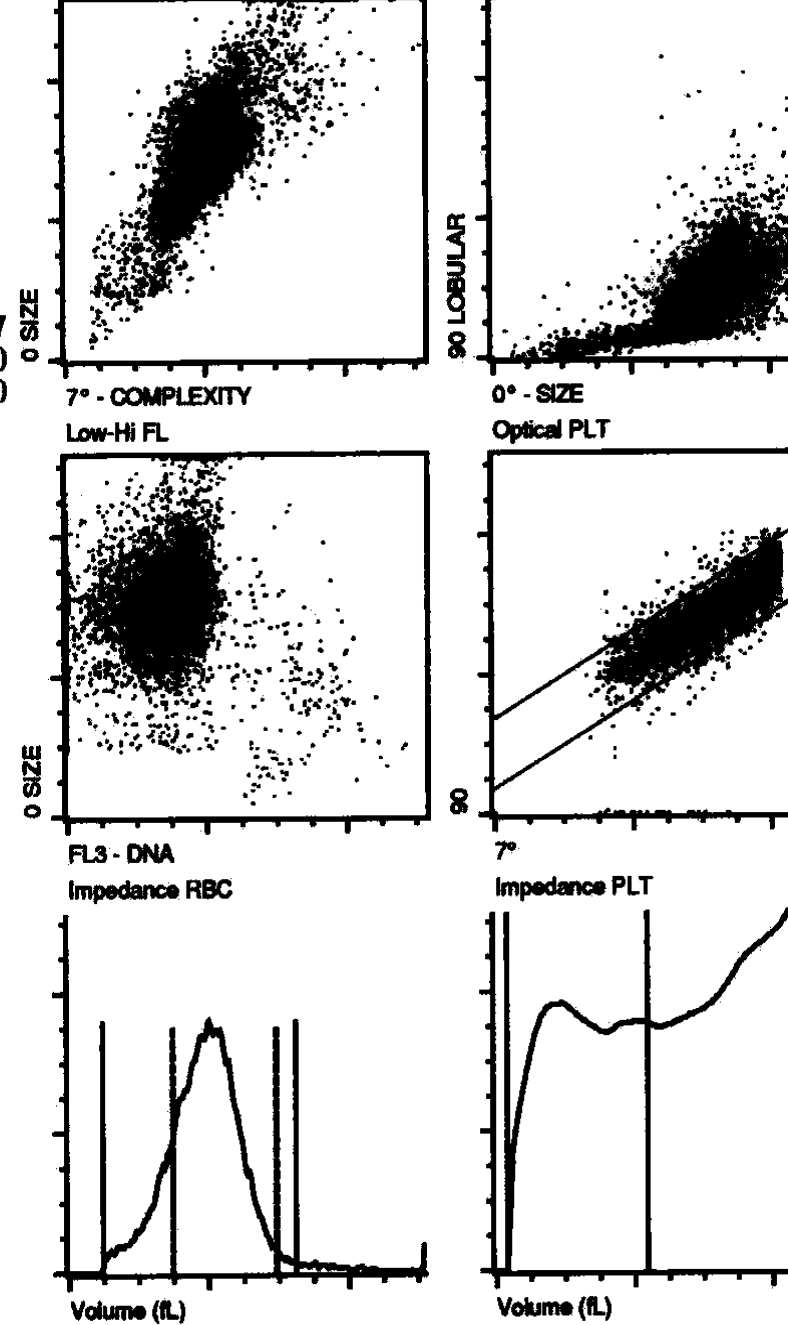
| X-B In | WBC In | RBC In  | PLT In | RETC In |       |      |
|--------|--------|---------|--------|---------|-------|------|
| WBC    | 25.6   | 10e9/L  | WVF    | .969    |       |      |
| SEG    | 10.0*  |         | %S     | 39.1*   |       |      |
| BAND   | 3.24*  |         | %BD    | 12.6*   | BAND  | 0.87 |
| IG     | 2.72*  |         | %IG    | 10.6*   | IG    | 0.90 |
| BLST   | .006*  |         | %BL    | .023*   | BLAST | 0.90 |
| MCNe   | 4.08*  |         | %Me    | 15.9*   |       |      |
| EOS    | .046*  |         | %E     | .180*   |       |      |
| BASO   | .054*  |         | %B     | .211*   |       |      |
| LYMe   | 5.45*  |         | %Le    | 21.3*   |       |      |
| VARL   | 0.00*  |         | %VL    | 0.00*   |       |      |
| RBC    | 3.52   | 10e12/L | RBCo   | 3.55    |       |      |
| HGB    | 91.9   | g/L     | %MIC   | 18.8    |       |      |
| HCT    | .273   | L/L     | %MAC   | 1.71    |       |      |
| MCV    | 77.6   | fL      | %HPO   | ---     |       |      |
| MCH    | 26.1   | pg      | %HPR   | ---     |       |      |
| MCHC   | 336.   | g/L     |        |         |       |      |
| RDW    | 26.0   | %CV     |        |         |       |      |
| HDW    | ---    | %       |        |         |       |      |
| RETC   | ---    | 10e9/L  | %R     | ---     |       |      |
| IRF    | ---    |         |        |         |       |      |
| NRBC   | .162   | 10e9/L  | NR/W   | .633    |       |      |
| MCVr   | ---    | fL      |        |         |       |      |
| MCHr   | ---    | pg      |        |         |       |      |
| CHCr   | ---    | g/L     |        |         |       |      |
| PLTo   | 53.7*  | 10e9/L  | PLTi   | 88.6*   |       |      |
| MPV    | 18.3*  | fL      | CD61   | ---     |       |      |
| PDW    | 10.1*  | 10(GSD) | PLTs   | ---     |       |      |
| PCT    | .982*  | mL/L    | PLTI   | ---     |       |      |
| %rP    | ---    | %       |        |         |       |      |

\*InvalidData

BAND 0.87

IG 0.90

BLAST 0.90



48M

Dg: MDS-RA s přebytkem blastů

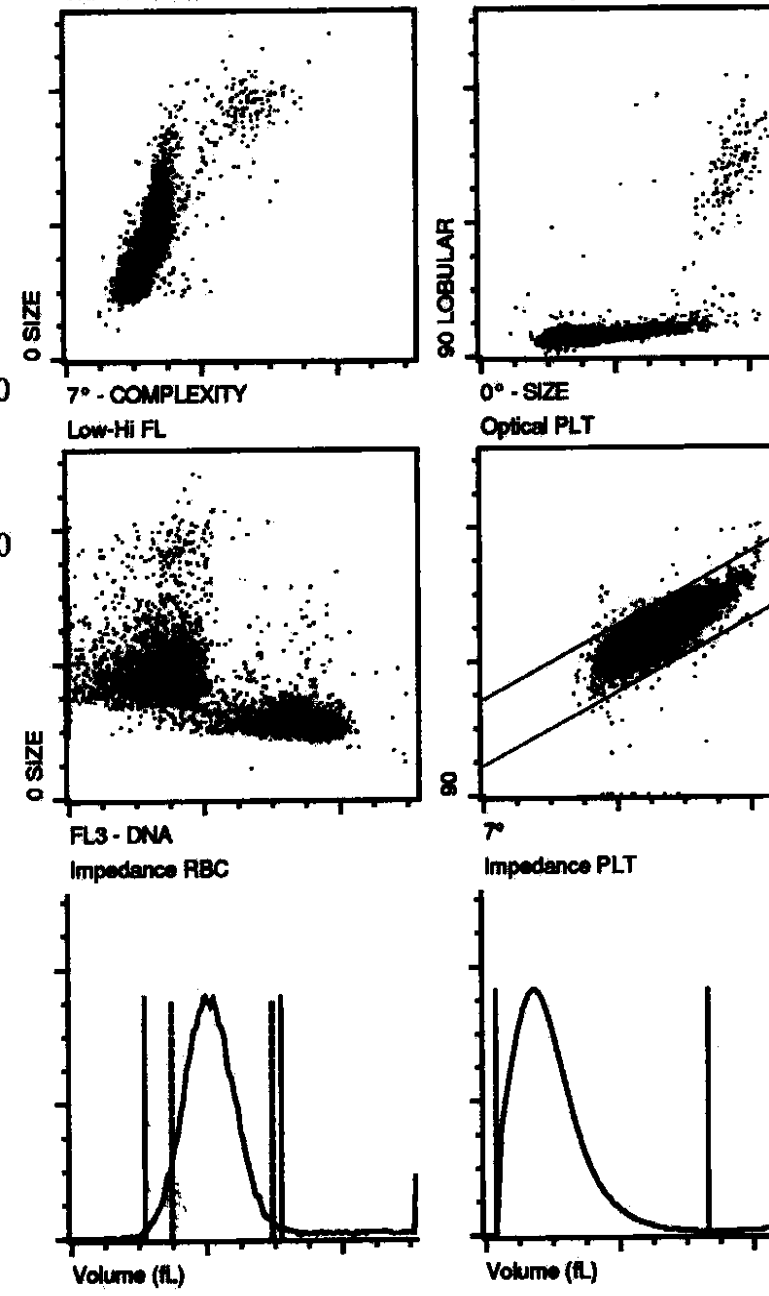
| Manual Differential | RBC Morphology |        |          |
|---------------------|----------------|--------|----------|
| SEG                 | META           | NORMAL | MICRO    |
| BAND                | MYELO          | POLYCH | MACRO    |
| LYMPH               | PRO            | HYPOCH | ANISO    |
| MONO                | BLAST          | POIK   | BASOSTIP |
| EOSIN               | VAR LYM        | TARGET |          |
| BASO                | TOXGRAN        | SPHERO | NRBC     |

Unable to Find Clear Separation Between WBC Subpopulations PIC/POC Delta

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

49M

| X-B  | WBC         | RBC     | PLT  | RETC        |             |
|------|-------------|---------|------|-------------|-------------|
| WBC  | <u>120</u>  | 10e9/L  | WVF  | <u>.613</u> | nvWBC       |
| SEG  | <u>3.59</u> |         | %S   | <u>2.98</u> |             |
| BAND | <u>0.00</u> |         | %BD  | <u>0.00</u> |             |
| IG   | <u>0.00</u> |         | %IG  | <u>0.00</u> |             |
| BLST | <u>.018</u> |         | %BL  | <u>.015</u> | BLAST 0.90  |
| MONe | <u>4.12</u> |         | %Me  | <u>3.42</u> |             |
| EOS  | <u>.036</u> |         | %E   | <u>.030</u> |             |
| BASO | <u>.405</u> |         | %B   | <u>.336</u> |             |
| LYMe | <u>66.5</u> |         | %Le  | <u>55.2</u> | VARLYM 0.90 |
| VARL | <u>45.9</u> |         | %VL  | <u>38.1</u> |             |
| RBC  | <u>3.53</u> | 10e12/L | RBCo | <u>3.48</u> |             |
| HGB  | <u>96.2</u> | g/L     | %MIC | <u>6.70</u> |             |
| HCT  | <u>292</u>  | L/L     | %MAC | <u>1.56</u> |             |
| MCV  | <u>82.7</u> | fL      | %HPO | <u>14.7</u> |             |
| MCH  | <u>27.2</u> | pg      | %HPR | <u>.181</u> |             |
| MCHC | <u>329.</u> | g/L     |      |             |             |
| RDW  | <u>17.9</u> | %CV     |      |             |             |
| HDW  | <u>10.0</u> | %       |      |             |             |
| RETC | <u>69.0</u> | 10e9/L  | %R   | <u>1.95</u> |             |
| IRF  | <u>.363</u> |         |      |             |             |
| NRBC | <u>0.00</u> | 10e9/L  | NRW  | <u>0.00</u> |             |
| MCVr | <u>92.7</u> | fL      |      |             |             |
| MCHr | <u>26.6</u> | pg      |      |             |             |
| CHCr | <u>284.</u> | g/L     |      |             |             |
| PLTo | <u>180.</u> | 10e9/L  | PLTi | <u>185.</u> |             |
| MPV  | <u>6.67</u> | fL      | CD61 | <u>----</u> |             |
| PDW  | <u>16.4</u> | 10(GSD) | PLTs | <u>----</u> |             |
| PCT  | <u>1.20</u> | mL/L    | PLTI | <u>----</u> |             |
| %rP  | <u>12.2</u> | %       |      |             |             |



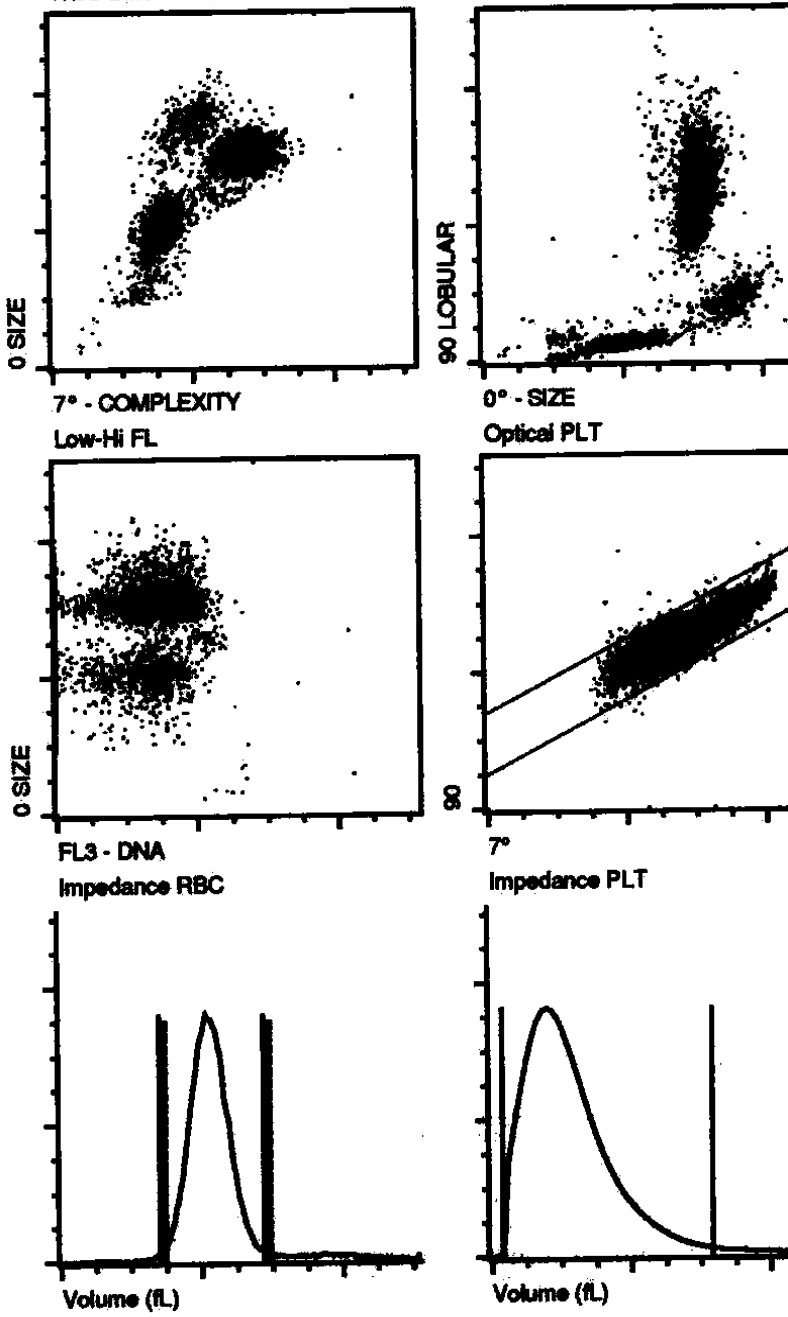
Dg: CLL

| Manual Differential | RBC Morphology |           |          |
|---------------------|----------------|-----------|----------|
| SEG                 | META           | NORMAL    | MICRO    |
| BAND                | MYELO          | POLYCH    | MACRO    |
| LYMPH               | PRO            | HYPOCH    | ANISO    |
| MONO                | BLAST          | POIK      | BASOSTIP |
| EOSIN               | VARLYM         | TARGET    |          |
| BASO                | TOXGRAN        | SPHERO    | NBRC     |
| PIT EST             |                | PIT MORPH |          |

Sex: F  
 Doctor: 0630/12/05/2011  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

| X-B In | WBC In | RBC In  | PLT In | RETC In |
|--------|--------|---------|--------|---------|
| WBC    | 6.32   | 10e9/L  | WVF    | .995    |
| SEG    | 3.69   |         | %S     | 58.5    |
| BAND   | 0.00   |         | %BD    | 0.00    |
| IG     | 0.00   |         | %IG    | 0.00    |
| BLST   | 0.00   |         | %BL    | 0.00    |
| MONe   | .557   |         | %Me    | 8.81    |
| EOS    | .118   |         | %E     | 1.87    |
| BASO   | .040   |         | %B     | .631    |
| LYMe   | 1.91   |         | %Le    | 30.2    |
| VARL   | 0.00   |         | %VL    | 0.00    |
| RBC    | 4.58   | 10e12/L | RBCo   | 4.45    |
| HGB    | 131.   | g/L     | %MIC   | 1.54    |
| HCT    | .391   | L/L     | %MAC   | .982    |
| MCV    | 85.4   | fL      | %HPO   | 3.84    |
| MCH    | 28.7   | pg      | %HPR   | 0.00    |
| MCHC   | 336.   | g/L     |        |         |
| RDW    | 12.5   | %CV     |        |         |
| HDW    | 6.52   | %       |        |         |
| RETC   | 60.7   | 10e9/L  | %R     | 1.33    |
| IRF    | .221   |         |        |         |
| NRBC   | 0.00   | 10e9/L  | NR/W   | 0.00    |
| MCVr   | 93.2   | fL      |        |         |
| MCHr   | 27.5   | pg      |        |         |
| CHCr   | 292.   | g/L     |        |         |
| PLTo   | 267.   | 10e9/L  | PLTi   | 265.    |
| MPV    | 7.20   | fL      | CD61   | ----    |
| PDW    | 17.3   | 10(GSD) | PLTs   | ----    |
| PCT    | 1.93   | mL/L    | PLTI   | ----    |
| %rP    | .619   | %       |        |         |

| Manual Differential |         | RBC Morphology |          |
|---------------------|---------|----------------|----------|
| SEG                 | META    | NORMAL         | MICRO    |
| BAND                | MYELO   | POLYCH         | MACRO    |
| LYMPH               | PRO     | HYPOCH         | ANISO    |
| MONO                | BLAST   | POIK           | BASOSTIP |
| EOSIN               | VAR LYM | TARGET         |          |
| BASO                | TOXGRAN | SPHERO         | NRBC     |



Dg: vady koagulace

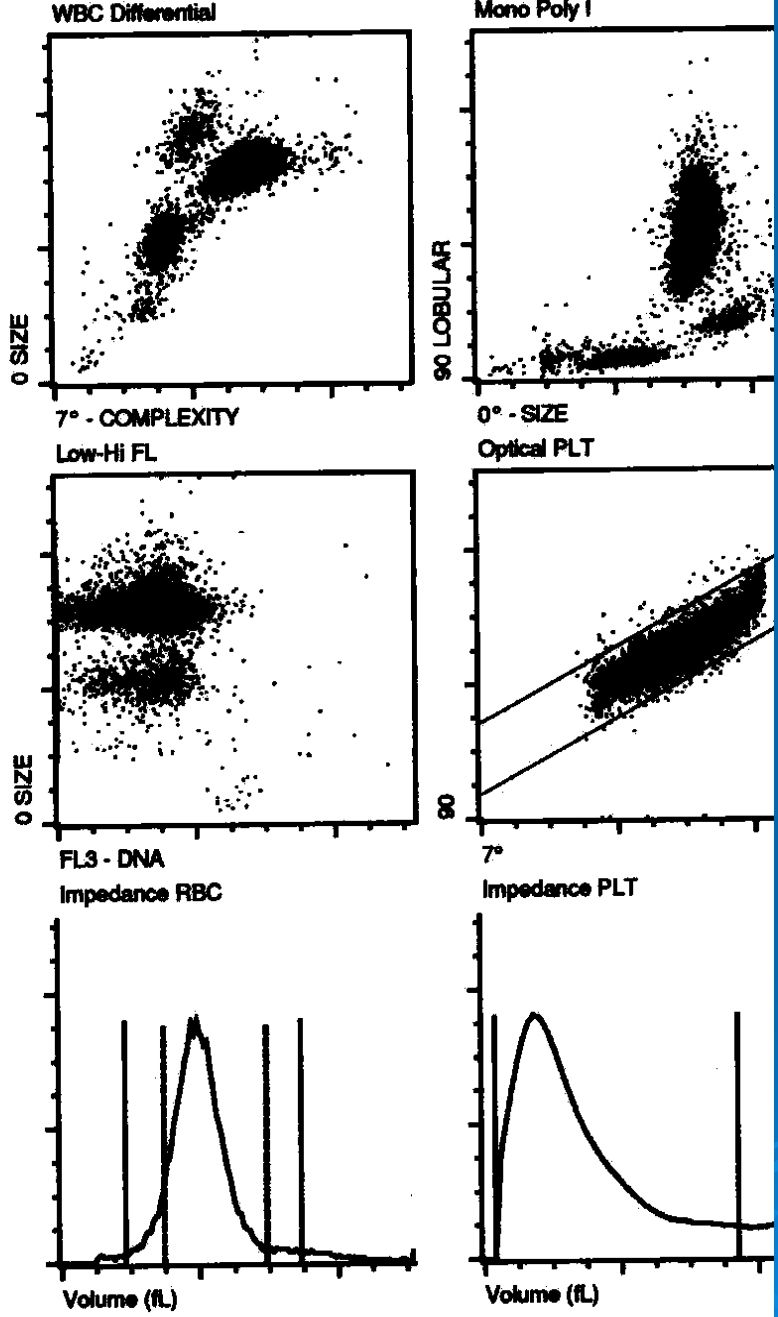




Sex: M  
 Doctor: 0678/12/05/2011  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

| X-B In | WBC In      | RBC In  | PLT In | RETC In     |  |  |
|--------|-------------|---------|--------|-------------|--|--|
| WBC    | 9.23        | 10e9/L  | WVF    | .993        |  |  |
| SEG    | <u>6.82</u> |         | %S     | <u>73.9</u> |  |  |
| BAND   | 0.00        |         | %BD    | 0.00        |  |  |
| IG     | 0.00        |         | %IG    | 0.00        |  |  |
| BLST   | 0.00        |         | %BL    | 0.00        |  |  |
| MONE   | .428        |         | %Me    | 4.63        |  |  |
| EOS    | .094        |         | %E     | 1.02        |  |  |
| BASO   | .067        |         | %B     | .731        |  |  |
| LYMe   | 1.82        |         | %Le    | <u>19.7</u> |  |  |
| VARL   | 0.00        |         | %VL    | 0.00        |  |  |
| RBC    | <u>3.55</u> | 10e12/L | RBCo   | <u>3.52</u> |  |  |
| HGB    | <u>102.</u> | g/L     | %MIC   | 9.69        |  |  |
| HCT    | <u>287.</u> | L/L     | %MAC   | 2.93        |  |  |
| MCV    | <u>80.9</u> | fL      | %HPO   | 7.06        |  |  |
| MCH    | 28.6        | pg      | %HPR   | .970        |  |  |
| MCHC   | 353.        | g/L     |        |             |  |  |
| RDW    | <u>20.5</u> | %CV     |        |             |  |  |
| HDW    | 11.0        | %       |        |             |  |  |
| RETC   | <u>101.</u> | 10e9/L  | %R     | <u>2.84</u> |  |  |
| IRF    | <u>327.</u> |         |        |             |  |  |
| NRBC   | 0.00        | 10e9/L  | NRW    | 0.00        |  |  |
| MCVr   | 88.3        | fL      |        |             |  |  |
| MCHr   | 26.9        | pg      |        |             |  |  |
| CHCr   | 298.        | g/L     |        |             |  |  |
| PLTo   | 202.        | 10e9/L  | PLTi   | 234.        |  |  |
| MPV    | 10.4        | fL      | CD61   | ----        |  |  |
| PDW    | <u>17.2</u> | 10(GSD) | PLTs   | ----        |  |  |
| PCT    | 2.11        | mL/L    | PLTI   | ----        |  |  |
| %rP    | 2.13        | %       |        |             |  |  |

| Manual Differential | RBC Morphology |        |          |
|---------------------|----------------|--------|----------|
| SEG                 | META           | NORMAL | MICRO    |
| BAND                | MYELO          | POLYCH | MACRO    |
| LYMPH               | PRO            | HYPOCH | ANISO    |
| MONO                | BLAST          | POIK   | BASOSTIP |
| EOSIN               | VAR LYM        | TARGET |          |
| BASO                | TOXGRAN        | SPHERO | NRBC     |

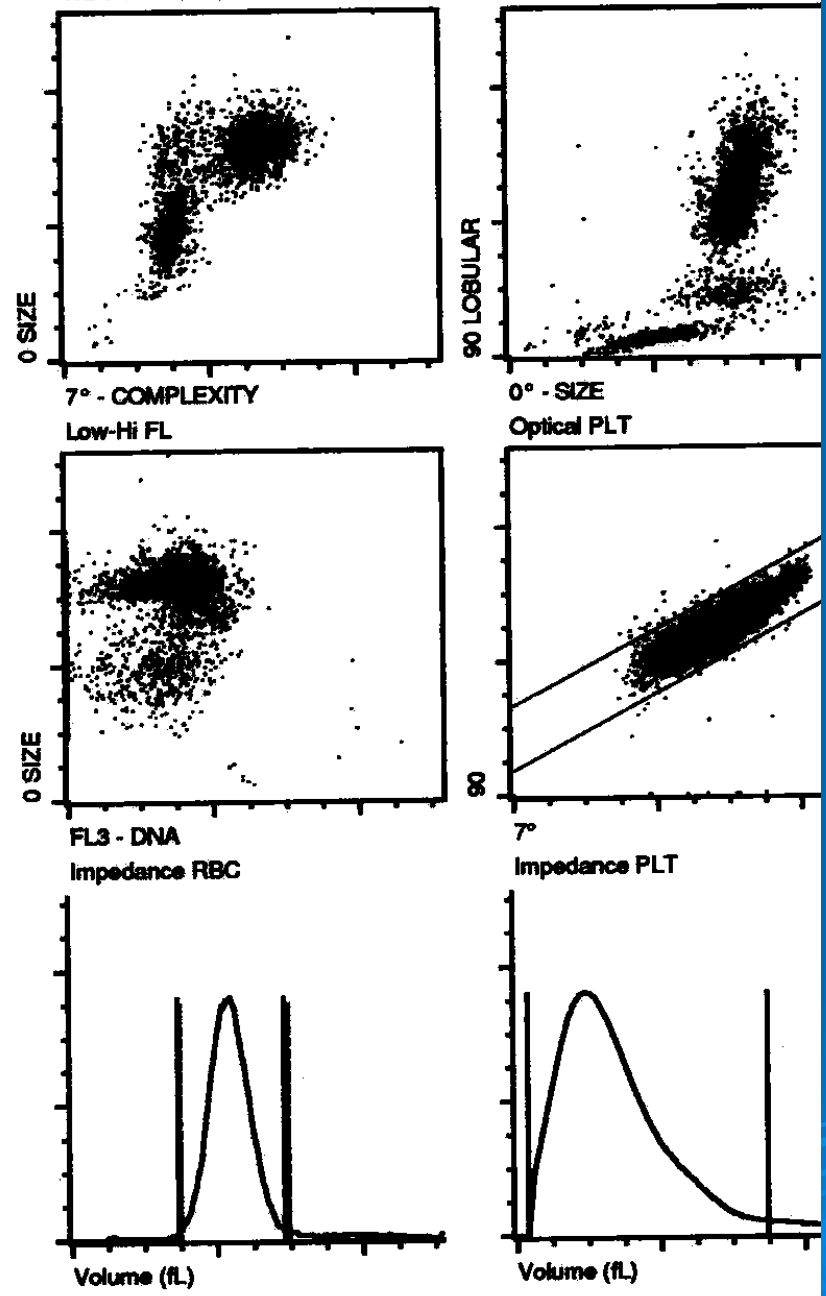


51M

Dg: MDS

Sex: F  
 Doctor: 0629/12/05/2011  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

| X-B In | WBC In      | RBC In  | PLT In | RETc In     |
|--------|-------------|---------|--------|-------------|
| WBC    | 4.44        | 10e9/L  | WVF    | .993        |
| SEG    | 2.50        |         | %S     | 56.3        |
| BAND   | 0.00        |         | %BD    | 0.00        |
| IG     | 0.00        |         | %IG    | 0.00        |
| BLST   | 0.00        |         | %BL    | 0.00        |
| MONE   | .459        |         | %Me    | 10.3        |
| EOS    | .293        |         | %E     | <u>6.60</u> |
| BASO   | .012        |         | %B     | .269        |
| LYMe   | <u>1.18</u> |         | %Le    | 26.5        |
| VARL   | 0.00        |         | %VL    | 0.00        |
| RBC    | <u>3.41</u> | 10e12/L | RBCo   | <u>3.39</u> |
| HGB    | <u>106.</u> | g/L     | %MIC   | 1.13        |
| HCT    | <u>299</u>  | L/L     | %MAC   | 1.18        |
| MCV    | 87.7        | fL      | %HPO   | .882        |
| MCH    | 31.1        | pg      | %HPR   | .202        |
| MCHC   | 355.        | g/L     |        |             |
| RDW    | 12.2        | %CV     |        |             |
| HDW    | 8.05        | %       |        |             |
| RETc   | <u>116.</u> | 10e9/L  | %R     | <u>3.40</u> |
| IRF    | .225        |         |        |             |
| NRBC   | 0.00        | 10e9/L  | NRW    | 0.00        |
| MCVr   | 94.6        | fL      |        |             |
| MCHr   | 29.3        | pg      |        |             |
| CHCr   | 307.        | g/L     |        |             |
| PLTo   | 169.        | 10e9/L  | PLTi   | 172.        |
| MPV    | 8.85        | fL      | CD61   | ----        |
| PDW    | 16.7        | 10(GSD) | PLTs   | ----        |
| PCT    | 1.50        | mL/L    | PLTI   | ----        |
| %rP    | 1.27        | %       |        |             |



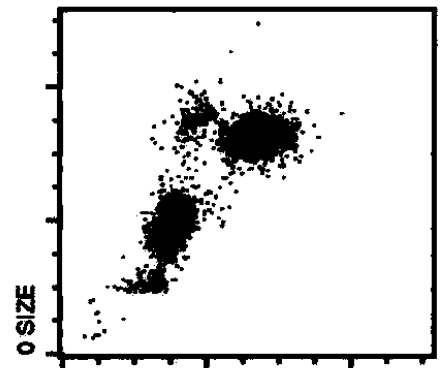
Dg: vady koagulace

| Manual Differential | RBC Morphology |           |          |
|---------------------|----------------|-----------|----------|
| SEG                 | META           | NORMAL    | MICRO    |
| BAND                | MYELO          | POLYCH    | MACRO    |
| LYMPH               | PRO            | HYPOCH    | ANISO    |
| MONO                | BLAST          | POIK      | BASOSTIP |
| EOSIN               | VAR LYM        | TARGET    |          |
| BASO                | TOXGRAN        | SPHERO    | NRBC     |
| PLT EST             |                | PLT MORPH |          |

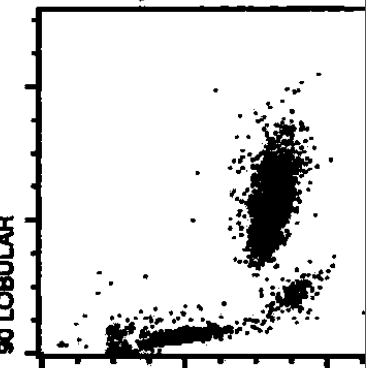
Sex: F  
 Doctor: 0610/12/05/2011  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

| X-B In | WBC In | RBC In  | PLT In | RETC In |
|--------|--------|---------|--------|---------|
| WBC    | 4.42   | 10e9/L  | WVF    | .996    |
| SEG    | 2.47   |         | %S     | 56.0    |
| BAND   | 0.00   |         | %BD    | 0.00    |
| IG     | 0.00   |         | %IG    | 0.00    |
| BLST   | 0.00   |         | %BL    | 0.00    |
| MONe   | .238   |         | %Me    | 5.38    |
| EOS    | .024   |         | %E     | .542    |
| BASO   | .031   |         | %B     | .697    |
| LYMe   | 1.65   |         | %Le    | 37.4    |
| VARL   | 0.00   |         | %VL    | 0.00    |
| RBC    | 4.53   | 10e12/L | RBCo   | 4.44    |
| HGB    | 138.   | g/L     | %MIC   | 1.10    |
| HCT    | .401   | L/L     | %MAC   | 1.05    |
| MCV    | 88.5   | fL      | %HPO   | .424    |
| MCH    | 30.4   | pg      | %HPR   | .013    |
| MCHC   | 344.   | g/L     |        |         |
| RDW    | 12.3   | %CV     |        |         |
| HDW    | 7.01   | %       |        |         |
| RETC   | 45.8   | 10e9/L  | %R     | 1.01    |
| IRF    | .105   |         |        |         |
| NRBC   | 0.00   | 10e9/L  | NR/W   | 0.00    |
| MCVr   | 97.3   | fL      |        |         |
| MCHr   | 30.4   | pg      |        |         |
| CHCr   | 310.   | g/L     |        |         |
| PLTo   | 197.   | 10e9/L  | PLTi   | 196.    |
| MPV    | 9.81   | fL      | CD61   | ----    |
| PDW    | 17.6   | 10(GSD) | PLTs   | ----    |
| PCT    | 1.94   | mL/L    | PLTI   | ----    |
| %rP    | .143   | %       |        |         |

| Manual Differential | RBC Morphology |           |          |
|---------------------|----------------|-----------|----------|
| SEG                 | META           | NORMAL    | MICRO    |
| BAND                | MYELO          | POLYCH    | MACRO    |
| LYMPH               | PRO            | HYPOCH    | ANISO    |
| MONO                | BLAST          | POIK      | BASOSTIP |
| EOSIN               | VAR LYM        | TARGET    |          |
| BASO                | TOXGRAN        | SPHERO    | NRBC     |
| PLT EST             |                | PLT MORPH |          |



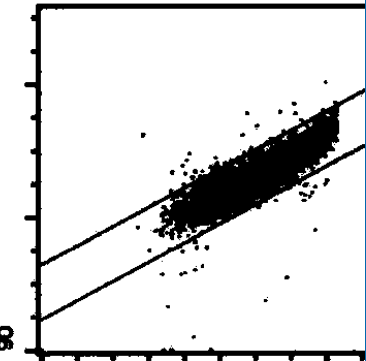
7° - COMPLEXITY  
Low-Hi FL



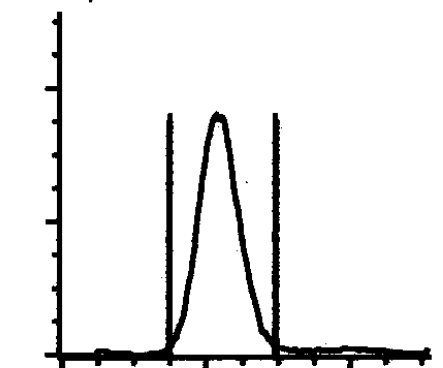
0° - SIZE  
Optical PLT



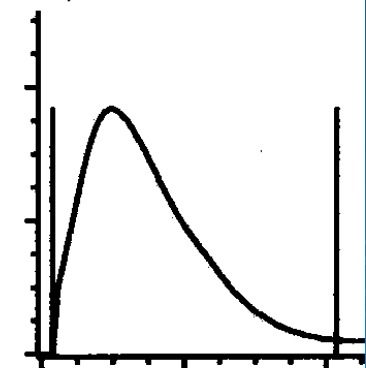
FL3 - DNA  
Impedance RBC



7°  
Impedance PLT



Volume (fL)



Volume (fL)

53F

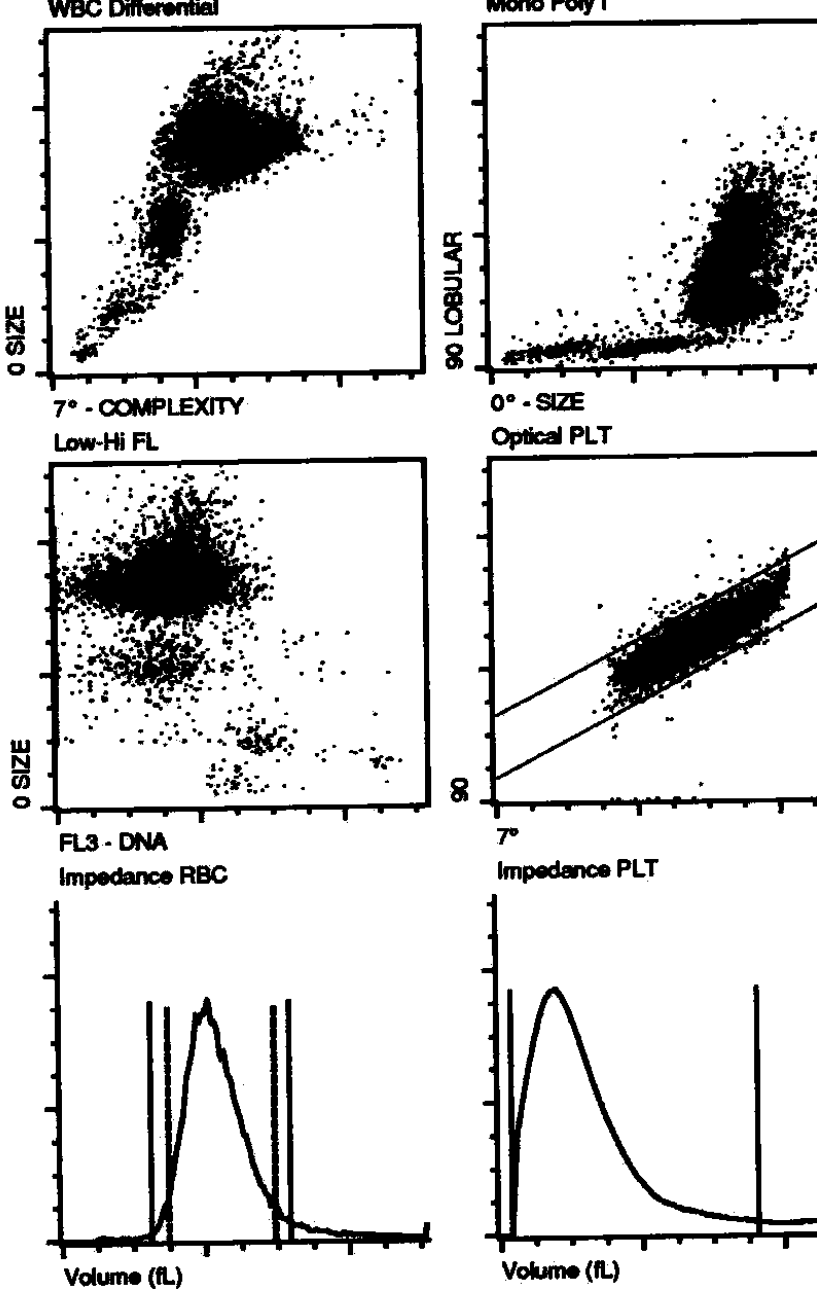
Dg: vady koagulace

Sex: F  
 Doctor: 0600/12/05/2011  
 User Defined A:  
 User Defined B:  
 User Defined C:  
 User Defined D:

| X-B In | WBC In | RBC In  | PLT In | RETC In |  |
|--------|--------|---------|--------|---------|--|
| WBC    | 13.4   | 10e9/L  | WVF    | .972    |  |
| SEG    | 7.29   |         | %S     | 54.6    |  |
| BAND   | 1.12   |         | %BD    | 8.37    |  |
| IG     | 2.34   |         | %IG    | 17.5    |  |
| BLST   | 0.00   |         | %BL    | 0.00    |  |
| MONE   | .778   |         | %Me    | 5.82    |  |
| EOS    | .024   |         | %E     | .177    |  |
| BASO   | .007   |         | %B     | .055    |  |
| LYMe   | 1.80   |         | %Le    | 13.5    |  |
| VARL   | 0.00   |         | %VL    | 0.00    |  |
| RBC    | 3.50   | 10e12/L | RBCo   | 3.51    |  |
| HGB    | 107.   | g/L     | %MIC   | 3.49    |  |
| HCT    | 302    | L/L     | %MAC   | 4.98    |  |
| MCV    | 86.3   | fL      | %HPO   | ----    |  |
| MCH    | 30.7   | pg      | %HPR   | ----    |  |
| MCHC   | 355.   | g/L     |        |         |  |
| RDW    | 17.6   | %CV     |        |         |  |
| HDW    | ----   | %       |        |         |  |
| RETC   | ----   | 10e9/L  | %R     | ----    |  |
| IRF    | ----   |         |        |         |  |
| NRBC   | .357   | 10e9/L  | NR/W   | 2.67    |  |
| MCVr   | ----   | fL      |        |         |  |
| MCHr   | ----   | pg      |        |         |  |
| CHCr   | ----   | g/L     |        |         |  |
| PLTo   | 160.   | 10e9/L  | PLTi   | 166.    |  |
| MPV    | 7.95   | fL      | CD61   | ----    |  |
| PDW    | 16.5   | 10(GSD) | PLTs   | ----    |  |
| PCT    | 1.27   | mL/L    | PLTi   | ----    |  |
| %rP    | ----   | %       |        |         |  |

BAND IG 0.67 0.90

| Manual Differential | RBC Morphology |           |          |
|---------------------|----------------|-----------|----------|
| SEG                 | META           | NORMAL    | MICRO    |
| BAND                | MYELO          | POLYCH    | MACRO    |
| LYMPH               | PRO            | HYPOCH    | ANISO    |
| MONO                | BLAST          | POIK      | BASOSTIP |
| EOSIN               | VAR LYM        | TARGET    |          |
| BASO                | TOXGRAN        | SPHERO    | NRBC     |
| PLT EST             |                | PLT MORPH |          |



54F

Dg:  
 T-buněčný  
 lymfom