

برگشت (/Panel/Labs/Answers/47998)

چاپ

دوره پنجاه و سوم زمستان 1404

H2 Results

شمارش افتراقی گلبولهای سفید و بررسی مورفولوژی سلولهای خونی

| | | |
|---------------|------------|---------------------------|
| کد نمونه 2560 | EQAP-18421 | آزمایشگاه آزمایشگاه آرامش |
|---------------|------------|---------------------------|

MCHC:30.3 g/dl

RDWcv:24.2 %

RDWsd:38.9 fl

PLT:157000/ul

بیمار دارای CLL به همراه بیماری زمینه ای آلفا تالاسمی مینور هست که بالکتروفورز هموگلوبین (Hb-A₂:3.1, Hb-F:0.6, Hb-A:96.3) و فلوسایتومتري سلولهای (CD5+CD19+CD23+CD79b-CD200+) مورد تائید قرار گرفتند. تعداد پرولنفوسیت 1% و مقدار هموگلوبین کاهش یافته است ولی ترومبوسیتوبنی دیده نمی شود.

| تشخیص صحیح | | | | | | | | | | | | ✓ | |
|---------------------|------|-------|-----|-------|-------|-------|-------|-------|-------|-------|--------|---|----|
| تشخیص آزمایشگاه شما | | | | | | | | | | | | | |
| Parameter | 0 | 1-4 | 5-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | 80-100 | | |
| BandForms | 34 | 158 | 11 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| Basophils | ✓ 40 | 97 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| Blasts | 31 | 68 | 16 | 9 | 6 | 4 | 2 | 0 | 2 | 5 | | | 3 |
| Eosinophils | 18 | ✓ 815 | 29 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 |
| HairyCell | 38 | 9 | 11 | 5 | 7 | 4 | 3 | 5 | 0 | 3 | | | 3 |
| Lymphoblast | 29 | 116 | 38 | 19 | 16 | 6 | 5 | 1 | 7 | 9 | | | 40 |
| Lymphocytes | 1 | 14 | 9 | 27 | 12 | 15 | 30 | 29 | 58 | 194 | ✓ 842 | | |
| LymphVariantForm | 32 | ✓ 125 | 153 | 111 | 23 | 13 | 9 | 7 | 3 | 6 | | | 7 |
| Megakaryoblast | 37 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 |
| Metamyelocytes | 34 | 28 | 4 | 4 | 0 | 0 | 0 | 1 | 1 | 0 | | | 0 |
| Monoblast | 34 | 13 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 |
| Monocytes | ✓ 12 | 728 | 101 | 16 | 2 | 0 | 0 | 1 | 0 | 0 | | | 0 |

| | | | | | | | | | | | | | | | | | | | | | | |
|----------------|--|----|---|------------|--|-----|---|-----|--|----|--|---|--|---|--|---|--|---|--|---|--|---|
| Myeloblasts | | 36 | | 4 | | 1 | | 4 | | 0 | | 1 | | 2 | | 1 | | 1 | | 1 | | 7 |
| Myelocytes | | 35 | | 11 | | 12 | | 5 | | 3 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 |
| Neutrophils | | 1 | | 250 | | 753 | ✓ | 235 | | 27 | | 2 | | 7 | | 2 | | 2 | | 0 | | 0 |
| Others | | 44 | | 7 | | 3 | | 0 | | 3 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 |
| PlasmaCell | | 36 | | 9 | | 2 | | 1 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 1 |
| Prolymphocytes | | 27 | ✓ | 162 | | 85 | | 41 | | 12 | | 1 | | 3 | | 7 | | 0 | | 2 | | 1 |
| ProMonocytes | | 34 | | 3 | | 2 | | 2 | | 0 | | 1 | | 1 | | 1 | | 0 | | 0 | | 0 |
| Promyelocytes | | 35 | | 11 | | 2 | | 4 | | 3 | | 0 | | 1 | | 0 | | 1 | | 1 | | 1 |
| Pronormoblast | | 37 | | 3 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 | | 0 |

| Cell | Morphology | 1+ (Few) | 2+ (Mod) | 3+ (Many) | No-Answer | Your-Answer |
|------|---------------------|----------|----------|-----------|-----------|-------------|
| RBC | Acanthocytes | 346 | 94 | 5 | 876 | Few |
| RBC | Anisocytosis | 191 | 521 | 372 | 237 | Many |
| RBC | BasophilicStippling | 31 | 1 | 1 | 1288 | |
| RBC | BiteCells | 114 | 11 | 1 | 1195 | |
| RBC | BlisterCells | 43 | 3 | 1 | 1274 | |
| RBC | ContractedCells | 75 | 14 | 1 | 1231 | |
| RBC | Echinocytes | 395 | 133 | 7 | 786 | Few |
| RBC | Elliptocytes | 534 | 223 | 8 | 556 | Few |
| RBC | Howell-JollyBodies | 20 | 3 | 1 | 1297 | |
| RBC | HypochromicCells | 134 | 518 | 371 | 298 | Many |
| RBC | Macrocytes | 155 | 53 | 1 | 1112 | |
| RBC | Microcytes | 199 | 362 | 305 | 455 | Many |
| RBC | OvalMacrocytes | 79 | 44 | 10 | 1188 | |
| RBC | Ovalocytes | 382 | 210 | 15 | 714 | Mod |
| RBC | PappenheimerBodies | 6 | 1 | 1 | 1313 | |
| RBC | Polychromasia | 180 | 37 | 4 | 1100 | |
| RBC | Schistocytes | 559 | 135 | 31 | 596 | Few |
| RBC | SickleCells | 73 | 9 | 1 | 1238 | |
| RBC | Spherocytes | 77 | 16 | | 1228 | |
| RBC | Stomatocytes | 52 | 6 | | 1263 | |
| RBC | TargetCells | 441 | 443 | 110 | 327 | Mod |

| | | | | | | |
|------------------|-------------------|-----|-----|----|------|--|
| RBC | TeardropCells | 407 | 71 | 2 | 841 | |
| RBC | RouleauxFormation | 166 | 123 | 51 | 981 | |
| WBC | DohleBodies | 13 | | | 1308 | |
| WBC | Hypergranulation | 12 | | | 1309 | |
| WBC | Hypersegmented | 36 | 3 | | 1282 | |
| WBC | Hypogranulation | 19 | 5 | 2 | 1295 | |
| WBC | Vacuolation | 33 | 6 | 1 | 1281 | |
| Platelets | GiantPlatelets | 361 | 45 | 3 | 912 | |

مقادیر صحیح بر حسب نوع سلولها

1. Basophils (0.2%)
2. Eosinophils (1.3%)
3. Lymphocytes (83%)
4. Lymph. Variant Form (Reactive) (2%)
5. Monocytes (0.5%)
6. Neutrophils (12%)
7. Prolymphocytes (1%)
8. Smudge cell /Basket cell (Mod)

مورفولوژی

- Anisocytosis:3+
- Irregularly Contracted Cells:1+
- Echinocytes:1+
- Elliptocytes:2+
- Hypochromic Cells:3+
- Microcytes:3+
- Polychromasia:1+
- Schistocytes:1+
- Target-Cells:3+

تشخیص نهایی.

CLL with minor thalassemia