

برگشت (/IACLD/Panel/Labs/Answers/36744)

چاپ

دوره چهل و ششم پائیز 1402

H2 Results

شمارش افتراقی گلبولهای سفید و بررسی مورفولوژی سلولهای خونی

| | | |
|---------------|------------|------------------|
| کد نمونه 1832 | EQAP-19374 | آزمایشگاه کولایف |
|---------------|------------|------------------|

شرح مختصر بیمار لام 2:

آقای 25 ساله‌ای با سابقه آنمی مزمن حدود یک هفته قبل در بیمارستان بستری مجدد شده است. در بررسی CBC بیمار اندکسهای غیرطبیعی مشاهده گردید، از سوی دیگر، برای بررسی PBS و دیف نهایی، گستره لام مذکور تهیه و در سامانه **سیستم میکروسکوپ مجازی CaseViewerPro** جهت بررسی و گزارش، قابل مشاهده میباشد:

WBC:9700/ul

RBC:3.63×10⁶/ul

HB: 11.7g/dl

HCT:31.0%

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 | 26 | 601 | 154 | 58 | 13 | 0 | 0 | 1 | 0 | 0 | 0 |
| Basophils | 65 | ✓ 130 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Blasts | 66 | 20 | 6 | 3 | 0 | 1 | 6 | 0 | 0 | 0 | 1 |
| Eosinophils | 5 | ✓ 916 | 487 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HairyCell | 74 | 10 | 4 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lymphoblast | 65 | 10 | 2 | 11 | 20 | 12 | 1 | 0 | 1 | 0 | 0 |
| Lymphocytes | 2 | 9 | 40 | 333 | ✓ 702 | 313 | 41 | 5 | 1 | 0 | 0 |
| LymphVariantForm | 23 | 168 | ✓ 336 | 275 | 82 | 14 | 1 | 0 | 0 | 1 | 0 |
| Megakaryoblast | 75 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Metamyelocytes | 55 | 63 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Monoblast | 61 | 19 | 10 | 4 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |

| | | | | | | | | | | | | |
|----------------|----|-----|-----|----|-----|----|-----|---|-----|-----|----|---|
| Monocytes | 6 | 325 | 523 | ✓ | 512 | 30 | 4 | 0 | 0 | 0 | 0 | 0 |
| Myeloblasts | 70 | 4 | 2 | 0 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Myelocytes | 59 | 22 | 2 | 8 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 0 |
| Neutrophils | 1 | 1 | 1 | 10 | 4 | 28 | 271 | ✓ | 776 | 324 | 53 | 5 |
| Others | 75 | 9 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 |
| PlasmaCell | 55 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Prolymphocytes | 51 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| ProMonocytes | 53 | 5 | 2 | 3 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| Promyelocytes | 50 | 4 | 2 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pronormoblast | 50 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Cell | Morphology | 1+ (Few) | 2+ (Mod) | 3+ (Many) | No-Answer | Your-Answer |
|------|---------------------|----------|----------|-----------|-----------|-------------|
| RBC | Acanthocytes | 47 | 11 | 1 | 1451 | |
| RBC | Anisocytosis | 734 | 400 | 25 | 351 | Few |
| RBC | BasophilicStippling | 14 | 2 | 1 | 1493 | |
| RBC | BiteCells | 66 | 12 | | 1432 | |
| RBC | BlisterCells | 59 | 16 | 4 | 1431 | |
| RBC | ContractedCells | 52 | 10 | 3 | 1445 | |
| RBC | Echinocytes | 25 | 1 | 1 | 1483 | |
| RBC | Elliptocytes | 366 | 75 | 21 | 1048 | |
| RBC | Howell-JollyBodies | 50 | 1 | 2 | 1457 | |
| RBC | HypochromicCells | 397 | 120 | 7 | 986 | |
| RBC | Macrocytes | 150 | 52 | 7 | 1301 | |
| RBC | Microcytes | 308 | 63 | 16 | 1123 | |
| RBC | OvalMacrocytes | 158 | 74 | 14 | 1264 | Few |
| RBC | Ovalocytes | 422 | 314 | 142 | 632 | Many |
| RBC | PappenheimerBodies | 14 | | | 1496 | |
| RBC | Polychromasia | 114 | 17 | 5 | 1374 | |
| RBC | Schistocytes | 200 | 25 | 1 | 1284 | |
| RBC | SickleCells | 27 | 4 | | 1479 | |
| RBC | Spherocytes | 129 | 42 | 6 | 1333 | |
| RBC | Stomatocytes | 261 | 464 | 271 | 514 | Mod |

| | | | | | | |
|------------------|------------------|-----|-----|----|------|-----|
| RBC | TargetCells | 480 | 141 | 15 | 874 | Few |
| RBC | TeardropCells | 157 | 13 | | 1340 | |
| RBC | RoulexFormation | 96 | 40 | 16 | 1358 | |
| WBC | DohleBodies | 12 | 2 | | 1496 | |
| WBC | Hypergranulation | 49 | 12 | 1 | 1448 | |
| WBC | Hypersegmented | 284 | 73 | 7 | 1146 | |
| WBC | Hypogranulation | 40 | 8 | 1 | 1461 | |
| WBC | Vacuolation | 61 | 9 | | 1440 | |
| Platelets | GiantPlatelets | 331 | 29 | | 1150 | |

مقادير صحيح برحسب نوع سلولها

1. Band Forms (%)
2. Basophils (1%)
3. Blasts (if can not distinguish) (%)
4. Eosinophils (3%)
5. Hairy cell (%)
6. Lymphoblast (%)
7. Lymphocytes (20%)
8. Lymph. Variant Form (Reactive) (5%)
9. Megakaryoblast (%)
10. Metamyelocytes (%)
11. Monoblast (%)
12. Monocytes (13%)
13. Myeloblasts (%)
14. Myelocytes (%)
15. Neutrophils (58%)
16. Other (%)
17. Plasma Cells (%)
18. Prolymphocytes (%)
19. Promonocyte (%)
20. Promyelocytes (%)
21. Pronormoblast (%)
22. /Smudge Cells (%)
23. Toxic Granulation(%)
24. NRBC/100WBC (%wbc)

مورفولوجی

- Anisocytosis:1+
- Elliptocytes: 1+
- Oval Macrocytes:1+
- Roulex Formation:1+
- Ovalocytes:3+

- Polychromasia:1+
- Schistocytes:1+
- Stomatocytes:1+
- Hypersegmented(Neutrophil):1+

تشخيص نهایی.

Southeast Asian Ovalocytosis (SAO)

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