Вариант 1

1. Fill in the empty cells (highlighted in green) so that you get an analysis of a patient with chronic iron deficiency anemia.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Erythrocytes | | hemoglobin | | | Color index | | | Platelets | | | Reticulocytes | | |
| 4-5 millions. | | g\l | | | 0,9-1,1 | | | 125-400 thousand. | | | 0,2-1,4% | | |
| \_ \_ | | \_ \_ | | | \_ \_ | | | \_ \_ | | | \_ \_ | | |
| Leukocytes | Basophils | Eosinophils | Hemocytoblasts | Myeloblasts | Promyelocytes | Myelocytes | Young | Band cells | Segmented | Lymphocytes | Monocytes | Plasma cell | Nuclear shift index |
| Norm in absolute numbers | 20-  -80 | 100-  -250 | ----- | ----- | ----- | ----- | ----- | 80-  -40 | 3.06-  5.600 | 1.610-  -2.10 | 200-  -600 | -------- | --------- |
| --8-thousand. | 0-1% | 2-1% |  |  |  |  |  | 3-6% | 51-67% | 23-42% | 4-8% |  |  |
| \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ |

Degenerative changes in neutrophils \_ \_

Anisocytosis \_\_ \_\_\_\_ poikilocytosis \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Polychromasia \_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Normoblasts \_ \_\_\_\_\_\_\_\_

ESR \_ \_\_ mm. hour.

1. Fill in the empty cells (highlighted in green) so that you get an analysis of a patient with acute leukemia.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Erythrocytes | | hemoglobin | | | Color index | | | Platelets | | | Reticulocytes | | |
| 4-5 millions. | | g\l | | | 0,9-1,1 | | | 125-400 thousand. | | | 0,2-1,4% | | |
| \_ \_ | | \_ \_ | | | \_ \_ | | | \_ \_ | | | \_ \_ | | |
| Leukocytes | Basophils | Eosinophils | Hemocytoblasts | Myeloblasts | Promyelocytes | Myelocytes | Young | Band cells | Segmented | Lymphocytes | Monocytes | Plasma cell | Nuclear shift index |
| Norm in absolute numbers | 20-  -80 | 100-  -250 | ----- | ----- | ----- | ----- | ----- | 80-  -40 | 3.06-  5.600 | 1.610-  -2.10 | 200-  -600 | -------- | --------- |
| --8-thousand. | 0-1% | 2-1% |  |  |  |  |  | 3-6% | 51-67% | 23-42% | 4-8% |  |  |
| \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ |

Degenerative changes in neutrophils \_ \_

Anisocytosis \_\_ \_\_\_\_ poikilocytosis \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Polychromasia \_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Normoblasts \_ \_\_\_\_\_\_\_\_

ESR \_ \_\_ mm. hour.

Вариант 2

1. Fill in the empty cells (highlighted in green) so that you get an analysis of a patient with B-12 deficiency anemia.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Erythrocytes | | hemoglobin | | | Color index | | | Platelets | | | Reticulocytes | | |
| 4-5 millions. | | g\l | | | 0,9-1,1 | | | 125-400 thousand. | | | 0,2-1,4% | | |
| \_ \_ | | \_ \_ | | | \_ \_ | | | \_ \_ | | | \_ \_ | | |
| Leukocytes | Basophils | Eosinophils | Hemocytoblasts | Myeloblasts | Promyelocytes | Myelocytes | Young | Band cells | Segmented | Lymphocytes | Monocytes | Plasma cell | Nuclear shift index |
| Norm in absolute numbers | 20-  -80 | 100-  -250 | ----- | ----- | ----- | ----- | ----- | 80-  -40 | 3.06-  5.600 | 1.610-  -2.10 | 200-  -600 | -------- | --------- |
| --8-thousand. | 0-1% | 2-1% |  |  |  |  |  | 3-6% | 51-67% | 23-42% | 4-8% |  |  |
| \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ |

Degenerative changes in neutrophils \_ \_

Anisocytosis \_\_ \_\_\_\_ poikilocytosis \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Polychromasia \_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Normoblasts \_ \_\_\_\_\_\_\_\_

ESR \_ \_\_ mm. hour.

1. Fill in the empty cells (highlighted in green) so that you get an analysis of a patient with chronic lymphocytic leukemia.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Erythrocytes | | hemoglobin | | | Color index | | | Platelets | | | Reticulocytes | | |
| 4-5 millions. | | g\l | | | 0,9-1,1 | | | 125-400 thousand. | | | 0,2-1,4% | | |
| \_ \_ | | \_ \_ | | | \_ \_ | | | \_ \_ | | | \_ \_ | | |
| Leukocytes | Basophils | Eosinophils | Hemocytoblasts | Myeloblasts | Promyelocytes | Myelocytes | Young | Band cells | Segmented | Lymphocytes | Monocytes | Plasma cell | Nuclear shift index |
| Norm in absolute numbers | 20-  -80 | 100-  -250 | ----- | ----- | ----- | ----- | ----- | 80-  -40 | 3.06-  5.600 | 1.610-  -2.10 | 200-  -600 | -------- | --------- |
| --8-thousand. | 0-1% | 2-1% |  |  |  |  |  | 3-6% | 51-67% | 23-42% | 4-8% |  |  |
| \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ |

Degenerative changes in neutrophils \_ \_

Anisocytosis \_\_ \_\_\_\_ poikilocytosis \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Polychromasia \_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Normoblasts \_ \_\_\_\_\_\_\_\_

ESR \_ \_\_ mm. hour.

Вариант 3

1. Fill in the empty cells (highlighted in green) so that you get an analysis of a patient with aplastic anemia.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Erythrocytes | | hemoglobin | | | Color index | | | Platelets | | | Reticulocytes | | |
| 4-5 millions. | | g\l | | | 0,9-1,1 | | | 125-400 thousand. | | | 0,2-1,4% | | |
| \_ \_ | | \_ \_ | | | \_ \_ | | | \_ \_ | | | \_ \_ | | |
| Leukocytes | Basophils | Eosinophils | Hemocytoblasts | Myeloblasts | Promyelocytes | Myelocytes | Young | Band cells | Segmented | Lymphocytes | Monocytes | Plasma cell | Nuclear shift index |
| Norm in absolute numbers | 20-  -80 | 100-  -250 | ----- | ----- | ----- | ----- | ----- | 80-  -40 | 3.06-  5.600 | 1.610-  -2.10 | 200-  -600 | -------- | --------- |
| --8-thousand. | 0-1% | 2-1% |  |  |  |  |  | 3-6% | 51-67% | 23-42% | 4-8% |  |  |
| \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ |

Degenerative changes in neutrophils \_ \_

Anisocytosis \_\_ \_\_\_\_ poikilocytosis \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Polychromasia \_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Normoblasts \_ \_\_\_\_\_\_\_\_

ESR \_ \_\_ mm. hour.

1. Fill in the empty cells (highlighted in green) so that you get an analysis of a patient with chronic myelogenous leukemia.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Erythrocytes | | hemoglobin | | | Color index | | | Platelets | | | Reticulocytes | | |
| 4-5 millions. | | g\l | | | 0,9-1,1 | | | 125-400 thousand. | | | 0,2-1,4% | | |
| \_ \_ | | \_ \_ | | | \_ \_ | | | \_ \_ | | | \_ \_ | | |
| Leukocytes | Basophils | Eosinophils | Hemocytoblasts | Myeloblasts | Promyelocytes | Myelocytes | Young | Band cells | Segmented | Lymphocytes | Monocytes | Plasma cell | Nuclear shift index |
| Norm in absolute numbers | 20-  -80 | 100-  -250 | ----- | ----- | ----- | ----- | ----- | 80-  -40 | 3.06-  5.600 | 1.610-  -2.10 | 200-  -600 | -------- | --------- |
| --8-thousand. | 0-1% | 2-1% |  |  |  |  |  | 3-6% | 51-67% | 23-42% | 4-8% |  |  |
| \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ |

Degenerative changes in neutrophils \_ \_

Anisocytosis \_\_ \_\_\_\_ poikilocytosis \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Polychromasia \_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Normoblasts \_ \_\_\_\_\_\_\_\_

ESR \_ \_\_ mm. hour.

Вариант 4

1. Fill in the empty cells (highlighted in green) so that you get an analysis of a patient with acute posthemorrhagic anemia.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Erythrocytes | | hemoglobin | | | Color index | | | Platelets | | | Reticulocytes | | |
| 4-5 millions. | | g\l | | | 0,9-1,1 | | | 125-400 thousand. | | | 0,2-1,4% | | |
| \_ \_ | | \_ \_ | | | \_ \_ | | | \_ \_ | | | \_ \_ | | |
| Leukocytes | Basophils | Eosinophils | Hemocytoblasts | Myeloblasts | Promyelocytes | Myelocytes | Young | Band cells | Segmented | Lymphocytes | Monocytes | Plasma cell | Nuclear shift index |
| Norm in absolute numbers | 20-  -80 | 100-  -250 | ----- | ----- | ----- | ----- | ----- | 80-  -40 | 3.06-  5.600 | 1.610-  -2.10 | 200-  -600 | -------- | --------- |
| --8-thousand. | 0-1% | 2-1% |  |  |  |  |  | 3-6% | 51-67% | 23-42% | 4-8% |  |  |
| \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ |

Degenerative changes in neutrophils \_ \_

Anisocytosis \_\_ \_\_\_\_ poikilocytosis \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Polychromasia \_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Normoblasts \_ \_\_\_\_\_\_\_\_

ESR \_ \_\_ mm. hour.

1. Fill in the empty cells (highlighted in green) so that you get an analysis of a patient with acute leukemia.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Erythrocytes | | hemoglobin | | | Color index | | | Platelets | | | Reticulocytes | | |
| 4-5 millions. | | g\l | | | 0,9-1,1 | | | 125-400 thousand. | | | 0,2-1,4% | | |
| \_ \_ | | \_ \_ | | | \_ \_ | | | \_ \_ | | | \_ \_ | | |
| Leukocytes | Basophils | Eosinophils | Hemocytoblasts | Myeloblasts | Promyelocytes | Myelocytes | Young | Band cells | Segmented | Lymphocytes | Monocytes | Plasma cell | Nuclear shift index |
| Norm in absolute numbers | 20-  -80 | 100-  -250 | ----- | ----- | ----- | ----- | ----- | 80-  -40 | 3.06-  5.600 | 1.610-  -2.10 | 200-  -600 | -------- | --------- |
| --8-thousand. | 0-1% | 2-1% |  |  |  |  |  | 3-6% | 51-67% | 23-42% | 4-8% |  |  |
| \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ |

Degenerative changes in neutrophils \_ \_

Anisocytosis \_\_ \_\_\_\_ poikilocytosis \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Polychromasia \_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Normoblasts \_ \_\_\_\_\_\_\_\_

ESR \_ \_\_ mm. hour.

Вариант 5

1. Fill in the empty cells (highlighted in green) so that you get an analysis of a patient with chronic iron deficiency anemia.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Erythrocytes | | hemoglobin | | | Color index | | | Platelets | | | Reticulocytes | | |
| 4-5 millions. | | g\l | | | 0,9-1,1 | | | 125-400 thousand. | | | 0,2-1,4% | | |
| \_ \_ | | \_ \_ | | | \_ \_ | | | \_ \_ | | | \_ \_ | | |
| Leukocytes | Basophils | Eosinophils | Hemocytoblasts | Myeloblasts | Promyelocytes | Myelocytes | Young | Band cells | Segmented | Lymphocytes | Monocytes | Plasma cell | Nuclear shift index |
| Norm in absolute numbers | 20-  -80 | 100-  -250 | ----- | ----- | ----- | ----- | ----- | 80-  -40 | 3.06-  5.600 | 1.610-  -2.10 | 200-  -600 | -------- | --------- |
| --8-thousand. | 0-1% | 2-1% |  |  |  |  |  | 3-6% | 51-67% | 23-42% | 4-8% |  |  |
| \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ |

Degenerative changes in neutrophils \_ \_

Anisocytosis \_\_ \_\_\_\_ poikilocytosis \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Polychromasia \_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Normoblasts \_ \_\_\_\_\_\_\_\_

ESR \_ \_\_ mm. hour.

1. Fill in the empty cells (highlighted in green) so that you get an analysis of a patient with chronic lymphocytic leukemia.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Erythrocytes | | hemoglobin | | | Color index | | | Platelets | | | Reticulocytes | | |
| 4-5 millions. | | g\l | | | 0,9-1,1 | | | 125-400 thousand. | | | 0,2-1,4% | | |
| \_ \_ | | \_ \_ | | | \_ \_ | | | \_ \_ | | | \_ \_ | | |
| Leukocytes | Basophils | Eosinophils | Hemocytoblasts | Myeloblasts | Promyelocytes | Myelocytes | Young | Band cells | Segmented | Lymphocytes | Monocytes | Plasma cell | Nuclear shift index |
| Norm in absolute numbers | 20-  -80 | 100-  -250 | ----- | ----- | ----- | ----- | ----- | 80-  -40 | 3.06-  5.600 | 1.610-  -2.10 | 200-  -600 | -------- | --------- |
| --8-thousand. | 0-1% | 2-1% |  |  |  |  |  | 3-6% | 51-67% | 23-42% | 4-8% |  |  |
| \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ |

Degenerative changes in neutrophils \_ \_

Anisocytosis \_\_ \_\_\_\_ poikilocytosis \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Polychromasia \_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Normoblasts \_ \_\_\_\_\_\_\_\_

ESR \_ \_\_ mm. hour.

Вариант 6

1. Fill in the empty cells (highlighted in green) so that you get an analysis of a patient with B-12 deficiency anemia.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Erythrocytes | | hemoglobin | | | Color index | | | Platelets | | | Reticulocytes | | |
| 4-5 millions. | | g\l | | | 0,9-1,1 | | | 125-400 thousand. | | | 0,2-1,4% | | |
| \_ \_ | | \_ \_ | | | \_ \_ | | | \_ \_ | | | \_ \_ | | |
| Leukocytes | Basophils | Eosinophils | Hemocytoblasts | Myeloblasts | Promyelocytes | Myelocytes | Young | Band cells | Segmented | Lymphocytes | Monocytes | Plasma cell | Nuclear shift index |
| Norm in absolute numbers | 20-  -80 | 100-  -250 | ----- | ----- | ----- | ----- | ----- | 80-  -40 | 3.06-  5.600 | 1.610-  -2.10 | 200-  -600 | -------- | --------- |
| --8-thousand. | 0-1% | 2-1% |  |  |  |  |  | 3-6% | 51-67% | 23-42% | 4-8% |  |  |
| \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ |

Degenerative changes in neutrophils \_ \_

Anisocytosis \_\_ \_\_\_\_ poikilocytosis \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Polychromasia \_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Normoblasts \_ \_\_\_\_\_\_\_\_

ESR \_ \_\_ mm. hour.

1. Fill in the empty cells (highlighted in green) so that you get an analysis of a patient with acute leukemia.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Erythrocytes | | hemoglobin | | | Color index | | | Platelets | | | Reticulocytes | | |
| 4-5 millions. | | g\l | | | 0,9-1,1 | | | 125-400 thousand. | | | 0,2-1,4% | | |
| \_ \_ | | \_ \_ | | | \_ \_ | | | \_ \_ | | | \_ \_ | | |
| Leukocytes | Basophils | Eosinophils | Hemocytoblasts | Myeloblasts | Promyelocytes | Myelocytes | Young | Band cells | Segmented | Lymphocytes | Monocytes | Plasma cell | Nuclear shift index |
| Norm in absolute numbers | 20-  -80 | 100-  -250 | ----- | ----- | ----- | ----- | ----- | 80-  -40 | 3.06-  5.600 | 1.610-  -2.10 | 200-  -600 | -------- | --------- |
| --8-thousand. | 0-1% | 2-1% |  |  |  |  |  | 3-6% | 51-67% | 23-42% | 4-8% |  |  |
| \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ |

Degenerative changes in neutrophils \_ \_

Anisocytosis \_\_ \_\_\_\_ poikilocytosis \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Polychromasia \_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Normoblasts \_ \_\_\_\_\_\_\_\_

ESR \_ \_\_ mm. hour.

Вариант 7

1. Fill in the empty cells (highlighted in green) so that you get an analysis of a patient with aplastic anemia.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Erythrocytes | | hemoglobin | | | Color index | | | Platelets | | | Reticulocytes | | |
| 4-5 millions. | | g\l | | | 0,9-1,1 | | | 125-400 thousand. | | | 0,2-1,4% | | |
| \_ \_ | | \_ \_ | | | \_ \_ | | | \_ \_ | | | \_ \_ | | |
| Leukocytes | Basophils | Eosinophils | Hemocytoblasts | Myeloblasts | Promyelocytes | Myelocytes | Young | Band cells | Segmented | Lymphocytes | Monocytes | Plasma cell | Nuclear shift index |
| Norm in absolute numbers | 20-  -80 | 100-  -250 | ----- | ----- | ----- | ----- | ----- | 80-  -40 | 3.06-  5.600 | 1.610-  -2.10 | 200-  -600 | -------- | --------- |
| --8-thousand. | 0-1% | 2-1% |  |  |  |  |  | 3-6% | 51-67% | 23-42% | 4-8% |  |  |
| \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ |

Degenerative changes in neutrophils \_ \_

Anisocytosis \_\_ \_\_\_\_ poikilocytosis \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Polychromasia \_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Normoblasts \_ \_\_\_\_\_\_\_\_

ESR \_ \_\_ mm. hour.

1. Fill in the empty cells (highlighted in green) so that you get an analysis of a patient with acute leukemia.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Erythrocytes | | hemoglobin | | | Color index | | | Platelets | | | Reticulocytes | | |
| 4-5 millions. | | g\l | | | 0,9-1,1 | | | 125-400 thousand. | | | 0,2-1,4% | | |
| \_ \_ | | \_ \_ | | | \_ \_ | | | \_ \_ | | | \_ \_ | | |
| Leukocytes | Basophils | Eosinophils | Hemocytoblasts | Myeloblasts | Promyelocytes | Myelocytes | Young | Band cells | Segmented | Lymphocytes | Monocytes | Plasma cell | Nuclear shift index |
| Norm in absolute numbers | 20-  -80 | 100-  -250 | ----- | ----- | ----- | ----- | ----- | 80-  -40 | 3.06-  5.600 | 1.610-  -2.10 | 200-  -600 | -------- | --------- |
| --8-thousand. | 0-1% | 2-1% |  |  |  |  |  | 3-6% | 51-67% | 23-42% | 4-8% |  |  |
| \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ |

Degenerative changes in neutrophils \_ \_

Anisocytosis \_\_ \_\_\_\_ poikilocytosis \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Polychromasia \_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Normoblasts \_ \_\_\_\_\_\_\_\_

ESR \_ \_\_ mm. hour.

Вариант 8

1. Fill in the empty cells (highlighted in green) so that you get an analysis of a patient with acute posthemorrhagic anemia.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Erythrocytes | | hemoglobin | | | Color index | | | Platelets | | | Reticulocytes | | |
| 4-5 millions. | | g\l | | | 0,9-1,1 | | | 125-400 thousand. | | | 0,2-1,4% | | |
| \_ \_ | | \_ \_ | | | \_ \_ | | | \_ \_ | | | \_ \_ | | |
| Leukocytes | Basophils | Eosinophils | Hemocytoblasts | Myeloblasts | Promyelocytes | Myelocytes | Young | Band cells | Segmented | Lymphocytes | Monocytes | Plasma cell | Nuclear shift index |
| Norm in absolute numbers | 20-  -80 | 100-  -250 | ----- | ----- | ----- | ----- | ----- | 80-  -40 | 3.06-  5.600 | 1.610-  -2.10 | 200-  -600 | -------- | --------- |
| --8-thousand. | 0-1% | 2-1% |  |  |  |  |  | 3-6% | 51-67% | 23-42% | 4-8% |  |  |
| \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ |

Degenerative changes in neutrophils \_ \_

Anisocytosis \_\_ \_\_\_\_ poikilocytosis \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Polychromasia \_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Normoblasts \_ \_\_\_\_\_\_\_\_

ESR \_ \_\_ mm. hour.

1. Fill in the empty cells (highlighted in green) so that you get an analysis of a patient with chronic lymphocytic leukemia.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Erythrocytes | | hemoglobin | | | Color index | | | Platelets | | | Reticulocytes | | |
| 4-5 millions. | | g\l | | | 0,9-1,1 | | | 125-400 thousand. | | | 0,2-1,4% | | |
| \_ \_ | | \_ \_ | | | \_ \_ | | | \_ \_ | | | \_ \_ | | |
| Leukocytes | Basophils | Eosinophils | Hemocytoblasts | Myeloblasts | Promyelocytes | Myelocytes | Young | Band cells | Segmented | Lymphocytes | Monocytes | Plasma cell | Nuclear shift index |
| Norm in absolute numbers | 20-  -80 | 100-  -250 | ----- | ----- | ----- | ----- | ----- | 80-  -40 | 3.06-  5.600 | 1.610-  -2.10 | 200-  -600 | -------- | --------- |
| --8-thousand. | 0-1% | 2-1% |  |  |  |  |  | 3-6% | 51-67% | 23-42% | 4-8% |  |  |
| \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ |

Degenerative changes in neutrophils \_ \_

Anisocytosis \_\_ \_\_\_\_ poikilocytosis \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Polychromasia \_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Normoblasts \_ \_\_\_\_\_\_\_\_

ESR \_ \_\_ mm. hour.

Вариант 9

1. Fill in the empty cells (highlighted in green) so that you get an analysis of a patient with B-12 deficiency anemia.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Erythrocytes | | hemoglobin | | | Color index | | | Platelets | | | Reticulocytes | | |
| 4-5 millions. | | g\l | | | 0,9-1,1 | | | 125-400 thousand. | | | 0,2-1,4% | | |
| \_ \_ | | \_ \_ | | | \_ \_ | | | \_ \_ | | | \_ \_ | | |
| Leukocytes | Basophils | Eosinophils | Hemocytoblasts | Myeloblasts | Promyelocytes | Myelocytes | Young | Band cells | Segmented | Lymphocytes | Monocytes | Plasma cell | Nuclear shift index |
| Norm in absolute numbers | 20-  -80 | 100-  -250 | ----- | ----- | ----- | ----- | ----- | 80-  -40 | 3.06-  5.600 | 1.610-  -2.10 | 200-  -600 | -------- | --------- |
| --8-thousand. | 0-1% | 2-1% |  |  |  |  |  | 3-6% | 51-67% | 23-42% | 4-8% |  |  |
| \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ |

Degenerative changes in neutrophils \_ \_

Anisocytosis \_\_ \_\_\_\_ poikilocytosis \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Polychromasia \_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Normoblasts \_ \_\_\_\_\_\_\_\_

ESR \_ \_\_ mm. hour.

2.Fill in the empty cells (highlighted in green) so that you get an analysis of a patient with chronic lymphocytic leukemia.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Erythrocytes | | hemoglobin | | | Color index | | | Platelets | | | Reticulocytes | | |
| 4-5 millions. | | g\l | | | 0,9-1,1 | | | 125-400 thousand. | | | 0,2-1,4% | | |
| \_ \_ | | \_ \_ | | | \_ \_ | | | \_ \_ | | | \_ \_ | | |
| Leukocytes | Basophils | Eosinophils | Hemocytoblasts | Myeloblasts | Promyelocytes | Myelocytes | Young | Band cells | Segmented | Lymphocytes | Monocytes | Plasma cell | Nuclear shift index |
| Norm in absolute numbers | 20-  -80 | 100-  -250 | ----- | ----- | ----- | ----- | ----- | 80-  -40 | 3.06-  5.600 | 1.610-  -2.10 | 200-  -600 | -------- | --------- |
| --8-thousand. | 0-1% | 2-1% |  |  |  |  |  | 3-6% | 51-67% | 23-42% | 4-8% |  |  |
| \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ |

Degenerative changes in neutrophils \_ \_

Anisocytosis \_\_ \_\_\_\_ poikilocytosis \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Polychromasia \_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Normoblasts \_ \_\_\_\_\_\_\_\_

ESR \_ \_\_ mm. hour.

Вариант 10

1. Fill in the empty cells (highlighted in green) so that you get an analysis of a patient with aplastic anemia.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Erythrocytes | | hemoglobin | | | Color index | | | Platelets | | | Reticulocytes | | |
| 4-5 millions. | | g\l | | | 0,9-1,1 | | | 125-400 thousand. | | | 0,2-1,4% | | |
| \_ \_ | | \_ \_ | | | \_ \_ | | | \_ \_ | | | \_ \_ | | |
| Leukocytes | Basophils | Eosinophils | Hemocytoblasts | Myeloblasts | Promyelocytes | Myelocytes | Young | Band cells | Segmented | Lymphocytes | Monocytes | Plasma cell | Nuclear shift index |
| Norm in absolute numbers | 20-  -80 | 100-  -250 | ----- | ----- | ----- | ----- | ----- | 80-  -40 | 3.06-  5.600 | 1.610-  -2.10 | 200-  -600 | -------- | --------- |
| --8-thousand. | 0-1% | 2-1% |  |  |  |  |  | 3-6% | 51-67% | 23-42% | 4-8% |  |  |
| \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ |

Degenerative changes in neutrophils \_ \_

Anisocytosis \_\_ \_\_\_\_ poikilocytosis \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Polychromasia \_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Normoblasts \_ \_\_\_\_\_\_\_\_

ESR \_ \_\_ mm. hour.

1. Fill in the empty cells (highlighted in green) so that you get an analysis of a patient with chronic myelogenous leukemia.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Erythrocytes | | hemoglobin | | | Color index | | | Platelets | | | Reticulocytes | | |
| 4-5 millions. | | g\l | | | 0,9-1,1 | | | 125-400 thousand. | | | 0,2-1,4% | | |
| \_ \_ | | \_ \_ | | | \_ \_ | | | \_ \_ | | | \_ \_ | | |
| Leukocytes | Basophils | Eosinophils | Hemocytoblasts | Myeloblasts | Promyelocytes | Myelocytes | Young | Band cells | Segmented | Lymphocytes | Monocytes | Plasma cell | Nuclear shift index |
| Norm in absolute numbers | 20-  -80 | 100-  -250 | ----- | ----- | ----- | ----- | ----- | 80-  -40 | 3.06-  5.600 | 1.610-  -2.10 | 200-  -600 | -------- | --------- |
| --8-thousand. | 0-1% | 2-1% |  |  |  |  |  | 3-6% | 51-67% | 23-42% | 4-8% |  |  |
| \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ |

Degenerative changes in neutrophils \_ \_

Anisocytosis \_\_ \_\_\_\_ poikilocytosis \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Polychromasia \_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Normoblasts \_ \_\_\_\_\_\_\_\_

ESR \_ \_\_ mm. hour.

Вариант 11

1. Fill in the empty cells (highlighted in green) so that you get an analysis of a patient with B-12 deficiency anemia.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Erythrocytes | | hemoglobin | | | Color index | | | Platelets | | | Reticulocytes | | |
| 4-5 millions. | | g\l | | | 0,9-1,1 | | | 125-400 thousand. | | | 0,2-1,4% | | |
| \_ \_ | | \_ \_ | | | \_ \_ | | | \_ \_ | | | \_ \_ | | |
| Leukocytes | Basophils | Eosinophils | Hemocytoblasts | Myeloblasts | Promyelocytes | Myelocytes | Young | Band cells | Segmented | Lymphocytes | Monocytes | Plasma cell | Nuclear shift index |
| Norm in absolute numbers | 20-  -80 | 100-  -250 | ----- | ----- | ----- | ----- | ----- | 80-  -40 | 3.06-  5.600 | 1.610-  -2.10 | 200-  -600 | -------- | --------- |
| --8-thousand. | 0-1% | 2-1% |  |  |  |  |  | 3-6% | 51-67% | 23-42% | 4-8% |  |  |
| \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ |

Degenerative changes in neutrophils \_ \_

Anisocytosis \_\_ \_\_\_\_ poikilocytosis \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Polychromasia \_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Normoblasts \_ \_\_\_\_\_\_\_\_

ESR \_ \_\_ mm. hour.

1. Fill in the empty cells (highlighted in green) so that you get an analysis of a patient with chronic myelogenous leukemia.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Erythrocytes | | hemoglobin | | | Color index | | | Platelets | | | Reticulocytes | | |
| 4-5 millions. | | g\l | | | 0,9-1,1 | | | 125-400 thousand. | | | 0,2-1,4% | | |
| \_ \_ | | \_ \_ | | | \_ \_ | | | \_ \_ | | | \_ \_ | | |
| Leukocytes | Basophils | Eosinophils | Hemocytoblasts | Myeloblasts | Promyelocytes | Myelocytes | Young | Band cells | Segmented | Lymphocytes | Monocytes | Plasma cell | Nuclear shift index |
| Norm in absolute numbers | 20-  -80 | 100-  -250 | ----- | ----- | ----- | ----- | ----- | 80-  -40 | 3.06-  5.600 | 1.610-  -2.10 | 200-  -600 | -------- | --------- |
| --8-thousand. | 0-1% | 2-1% |  |  |  |  |  | 3-6% | 51-67% | 23-42% | 4-8% |  |  |
| \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ | \_ \_ |

Degenerative changes in neutrophils \_ \_

Anisocytosis \_\_ \_\_\_\_ poikilocytosis \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Polychromasia \_\_ \_\_\_\_\_\_\_\_\_\_\_\_ Normoblasts \_ \_\_\_\_\_\_\_\_

ESR \_ \_\_ mm. hour.