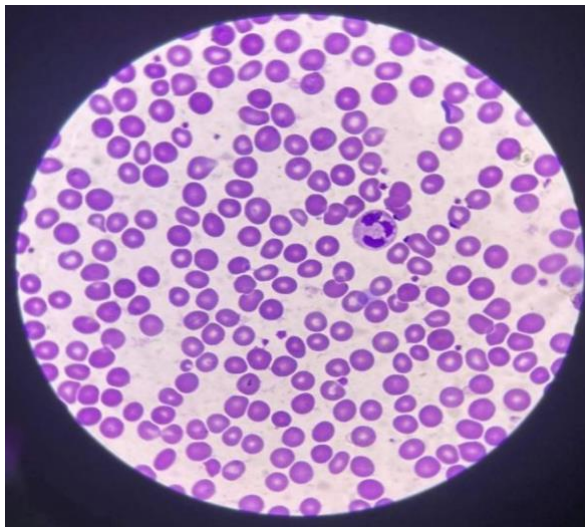


Activity 2: Peripheral Smears

Name of Patient: **Thyra Francine Canonoy**

DOB: **05/12/2002**

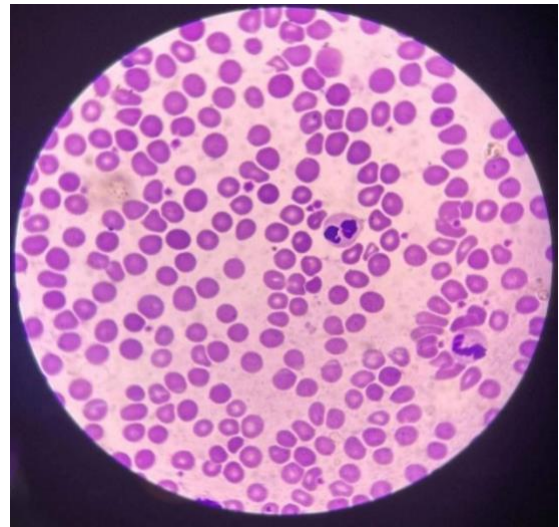
In this prepared slides, identify and count the number of WBCs and platelets you can find per field (specify type of white blood cell) and compute for the WBC estimate and platelet estimate.



WBC – 1: Neutrophil

Platelet: 14

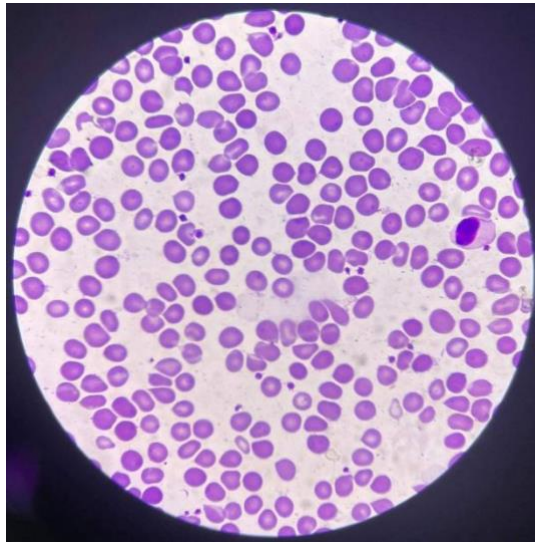
Poikilocytes: 20



WBC - 2: Basophil and Eosinophil

Platelet: 19

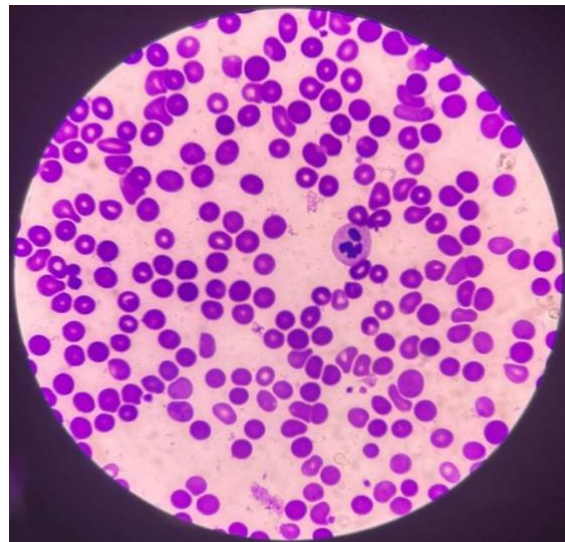
Poikilocytes: 26



WBC – 1: Monocyte

Platelet: 22

Poikilocytes: 18



WBC – 1: Neutrophil

Platelet: 9

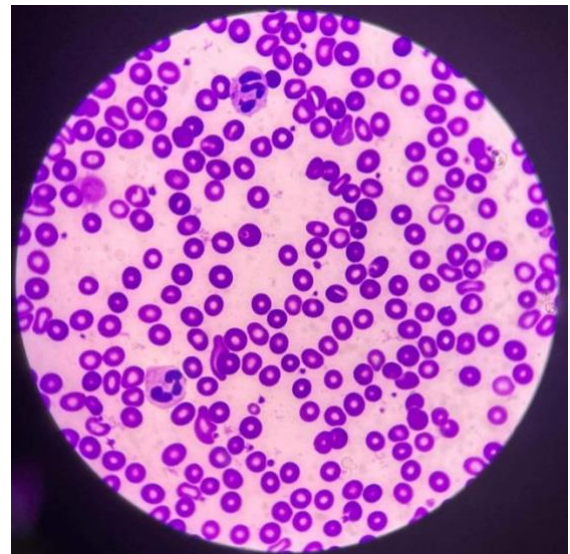
Poikilocytes: 30



WBC – 1: Neutrophil

Platelet: 15

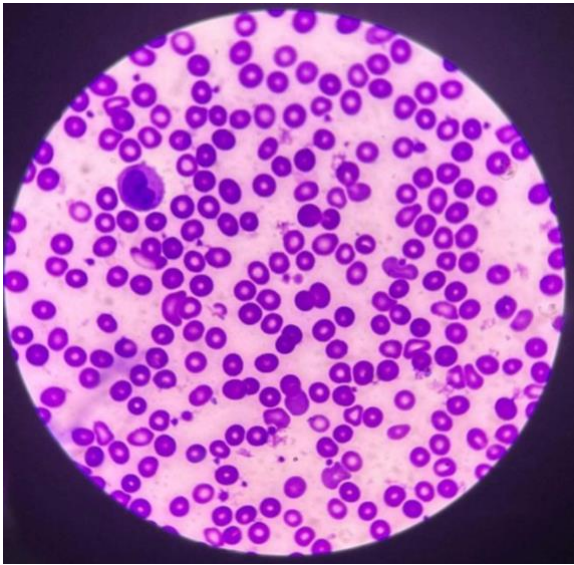
Poikilocytes: 15



WBC – 2: Neutrophil

Platelet: 27

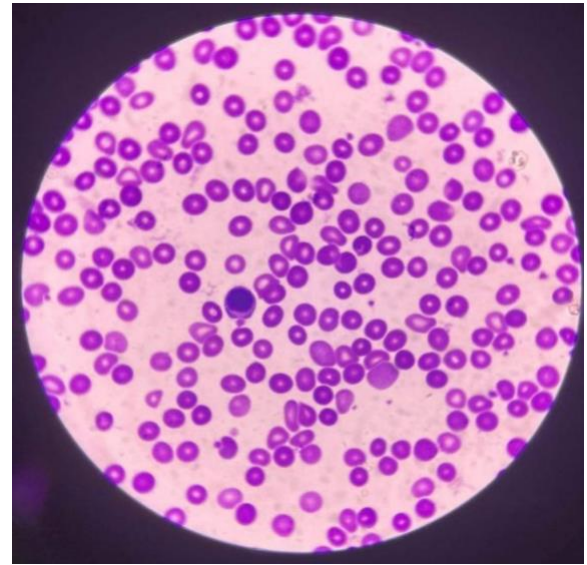
Poikilocytes: 21



WBC – 1: Monocyte

Platelet: 26

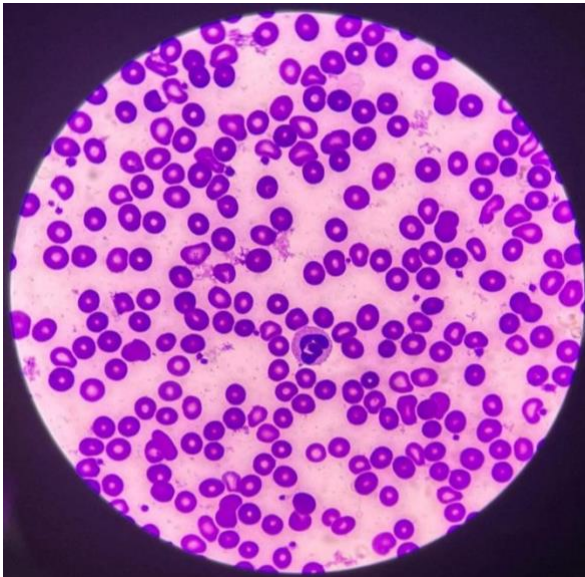
Poikilocytes: 16



WBC – 1: Lymphocyte

Platelet: 14

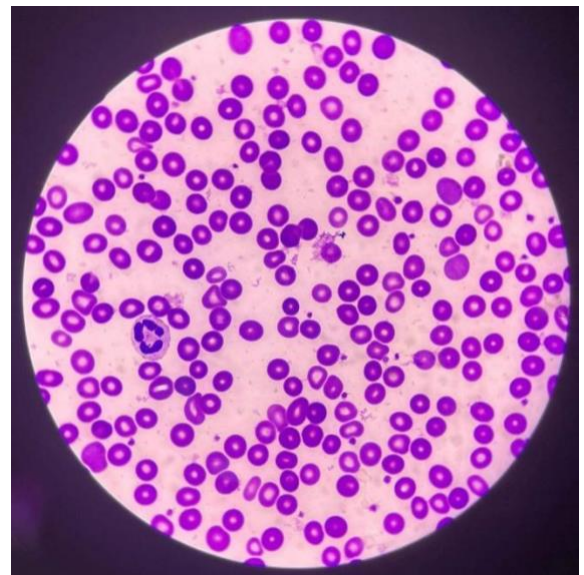
Poikilocytes: 27



WBC – 1: Neutrophil

Platelet: 22

Poikilocytes: 29



WBC – 1: Neutrophil

Platelet: 22

Poikilocytes: 19

Test/Method	Result	Reference Range
RBC MORPHOLOGY	3+	• 1+ = 2 – 10 poikilocytes/OIF (1-5%) • 2+ = 11-20 pokilocytes/ OIF (6 to 10%) • 3+ = 21 to 50 poikilocytes/ OIF (11 to 25%) • 4+ = 51 and above poikilocytes/ OIF
WBC ESTIMATE	2,400	Adult female normal range = 4,500 to 11,000 WBCs per microliter Adult male normal range = 5,000 to 10,000 WBCs per microliter
PLATELET ESTIMATE	380,000	Conventional Unit: 150,000-450,000/mm³ SI Unit: 150-450x10⁹/L

Computations:

RBC Morphology:

$$20 + 26 + 18 + 30 + 15 + 21 + 16 + 27 + 29 + 19 = 221 \quad 221 / 10 = 22.1 \quad 22.1 = 3+$$

Reference Range:

GRADING USED FOR POIKILOCYTOSIS:

- 1+ = 2 – 10 poikilocytes/OIF (1-5%)
- 2+ = 11-20 pokilocytes/ OIF (6 to 10%)
- 3+ = 21 to 50 poikilocytes/ OIF (11 to 25%)
- 4+ = 51 and above poikilocytes/ OIF

WBC Estimate:

$$((1+2+1+1+1+2+1+1+1+1)/10) \times 2000 = 2,400$$

Reference Range:

Adult female normal range = 4,500 to 11,000 WBCs per microliter

Adult male normal range = 5,000 to 10,000 WBCs per microliter

Platelet Estimate:

$14 + 19 + 22 + 9 + 15 + 27 + 26 + 14 + 22 + 22 = 190$ $190/10 = 19$ $19 \times 20,000 = \mathbf{380,000}$

Reference Range:

Conventional Unit: 150,000-450,000/mm³

SI Unit: 150-450x10⁹/L

Time and Date Performed: 6:30 PM 6/03/2022

Date Submitted: 6/03/2022

Medical Technologist: **Misty B. Cadalso**

RBC morphology

1:03 PM Sun Jun 5 docs.google.com 78%

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 mistybcadalso@su.edu.ph (not shared) [Switch account](#)  Draft saved

* Required

Name of Patient: (Lastname, Firstname M.I.) *

Canonoy Thyra

Date of birth *

MM DD YYYY

05 / 12 / 2002

Age *

20

Sex *

☒ Female

☐ Male

Name of test *

RBC MORPHOLOGY

Result *

3+

1:04 PM Sun Jun 5 docs.google.com 78%

Name of test *

RBC MORPHOLOGY

Result *

3+

Reference range *

1+ = 2 - 10 poikilocytes/OIF (1-5%) • 2+ = 11-20 poikilocytes/ OIF (6 to 10%) • 3+ = 21 to 50 poikilocytes/ OIF (11 to 25%) • 4+ = 51 and above poikilocytes/ OIF

Interpretation *

Not normal RBC morphology

Name of Medical Technologist *

Misty B. Cadalso

Date performed *

MM DD YYYY

06 / 03 / 2022

Time performed *

Time

06 : 30 PM

WBC ESTIMATE

1:05 PM Sun Jun 5 docs.google.com 77%

Laboratory Form A-1 (Cell B)

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* Required

Name of Patient: (Lastname, Firstname M.I.) *

Canonoy Thyra

Date of birth *

MM DD YYYY

05 / 12 / 2002

Age *

20

Sex *

☒ Female

☐ Male

Name of test *

WBC ESTIMATE

1:06 PM Sun Jun 5 docs.google.com 77%

Name of test *

WBC ESTIMATE

Result *

2,400 cells/mm

Reference range *

Adult female normal range = 4,500 to 11,000 WBCs per microliter
Adult male normal range = 5,000 to 10,000 WBCs per microliter

Interpretation *

Below normal white blood cell count

Name of Medical Technologist *

Misty B. Cadalso

Date performed *

MM DD YYYY

06 / 03 / 2022

Time performed *

Time

06 : 30 PM

Platelet count

1:08 PMSun Jun 5

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Laboratory Form A-1 (Cell B)

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Switch account

Draft saved

* Required

Name of Patient: (Lastname, Firstname M.I.) *

Canonoy Thyra

Date of birth *

MM DD YYYY

05 / 12 / 2002

Age *

20

Sex *

Female

Male

Name of test *

PLATELET ESTIMATE

Result *

1:08 PMSun Jun 5

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Result *

380,000 mm3

Reference range *

Conventional Unit: 150,000- 450,000/mm3
SI Unit: 150-450x109/L

Interpretation *

Normal platelet count

Name of Medical Technologist *

Misty B. Cadalso

Date performed *

MM DD YYYY

06 / 03 / 2022

Time performed *

Time

06 : 30 PM

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