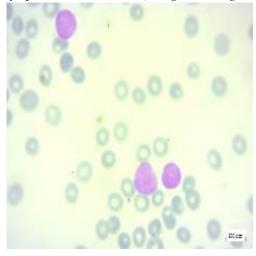
Prompt:

Assuming you are an experienced doctor, please analyze this peripheral blood smear image to see if you have acute lymphoblastic leukemia (benign or malignant), and if so, which stage you are in (early-pre, pre, pro).



GPT-4V:

- 1. Cell Morphology: The image displays several large, round or oval cells that may be lymphocytes. Some of these cells are larger in size with a centric radiating nucleus and reduced cytoplasm.
- 2. Cell Nucleus: Some cells exhibit a larger nucleus, deeply stained, with irregular boundaries.
- 3. Nucleus/Cytoplasm Ratio: Some cells show a higher nucleus to cytoplasm ratio, which can be observed in certain malignant transformations of lymphocytes.
- **4. Other Cells:** The image also contains some red cells and neutrophils, which appear relatively normal.

Preliminary Conclusion:

The cellular morphology in the image might be consistent with Acute Lymphoblastic Leukemia (ALL). However, it's challenging to determine from this image alone if it's benign or malignant, and if malignant, which stage it's in (early-pre, pre, pro). A genuine diagnosis requires detailed laboratory tests, including flow cytometry, cytogenetics, and molecular biology tests.

Reference answer:

Acute Lymphoblastic Leukemia, Pro-B.