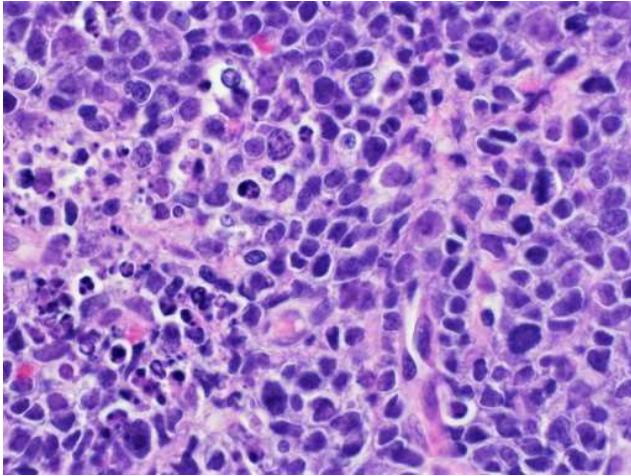


Lymph node

Prompt

May you please write a report for this image?



GPT-4V

Microscopic Image Report

Description:

The image presented is a magnified view of cells, likely from a tissue section, stained with a purple hue.

Observations:

1. The cells are densely packed with very little intervening stroma.
2. Cells predominantly exhibit a round to oval shape.
3. Most cells display a large nucleus that takes up a significant portion of the cell volume. The nuclei are of varying sizes and are predominantly stained dark purple.
4. There's evidence of multi-nucleated cells scattered throughout the field.
5. Some cells exhibit a clear or pale cytoplasmic region surrounding the nucleus, while others have a more densely

stained cytoplasm.

6. There is some variation in cell size, suggesting a potential mix of cell maturation stages or cell types.

Possible Interpretations:

This could represent a variety of tissues under microscopic examination. The high density of cells, large nuclei, and the presence of multi-nucleated cells can be seen in certain hematologic tissues, certain types of tumors, or in reactive conditions. However, without additional context such as the type of stain used, tissue origin, or clinical history, a definitive interpretation cannot be provided.

Prompt

This is an image of lymph node tissue. What is most likely diagnostic result based on the image and report?

GPT-4V

The image provided appears to be a high magnification of a lymph node tissue section. The presence of densely packed cells with large nuclei, occasional multi-nucleated cells, and variation in cell size can be suggestive of several conditions.

Given these observations, one possibility is that of a reactive lymph node, where the lymph node is responding to an infection or other stimulus. Reactive lymph nodes can have increased numbers of lymphocytes and can sometimes appear very cellular.

Another possibility, given the observations, is lymphoma. Lymphomas are cancers of the lymphatic system and can manifest in lymph nodes with a variety of appearances under the microscope. Certain types of lymphomas can present with densely packed cells and prominent nuclei.

Reference answer

High grade B cell lymphoma, NOS shows overlapping morphologic features with Burkitt lymphoma, including round nuclei, high nuclear: cytoplasmic ratio and numerous apoptotic bodies. These lymphoid cells are slightly more pleomorphic than seen in Burkitt lymphoma.