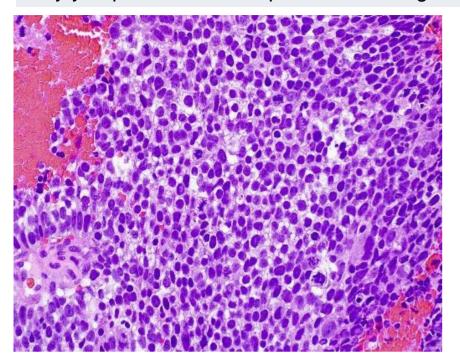
# **Nasal cavity**

# **Prompt**

May you please write a report for this image?



## **GPT-4V**

Microscopic Image Analysis Report

### **Image Description:**

The image displays a microscopic view of a tissue sample that has been stained, presumably to highlight specific cell structures. The predominant coloration is purple, indicative of hematoxylin and eosin (H&E) staining, a common staining technique in histology.

#### **Observations:**

- 1. The tissue sample appears to be densely cellular with closely packed cells.
- 2. The cells exhibit a high nucleus-to-cytoplasm ratio, with darkly stained nuclei.
- 3. The tissue architecture seems disrupted, as no clear organized structures or patterns are evident.
  - 4. A few areas show lighter staining, which might represent

either extracellular matrix or areas of lower cell density.

### **Preliminary Interpretation:**

The dense cellular nature and the high nucleus-to-cytoplasm ratio of the cells may suggest a proliferative condition, possibly a neoplastic process. The absence of a clear organized pattern further indicates the possibility of a malignant lesion. However, a definitive diagnosis would require a detailed clinical history, a comprehensive examination of the entire tissue sample, and possibly additional investigations.

## **Prompt**

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

# GPT-4V

Given that the image is of nasal cavity tissue and considering the observations from the report:

- 1. Densely cellular tissue.
- 2. High nucleus-to-cytoplasm ratio of cells.
- 3. Disrupted tissue architecture.
- 4. Possible proliferative condition.

The findings are suggestive of a neoplastic process, and given the high cellularity and disorganized pattern, a malignant lesion such as a nasal cavity carcinoma or sinonasal carcinoma could be a potential diagnostic consideration.

### Reference answer

Sinonasal carcinoma. Higher magnification showing diffuse sheets of round blue cells with eosinophilic to clear cytoplasm, hyperchromatic nuclei and inconspicuous nucleoli; atypical mitoses are readily seen.