

# Interesting case conference

12/3/12

## **22 year old female**

-25 weeks pregnant, presenting to the Breast Care Clinic at the University of Michigan for evaluation of a breast mass

-first noted by the patient approximately 20 weeks ago (actually before she realized she was pregnant)

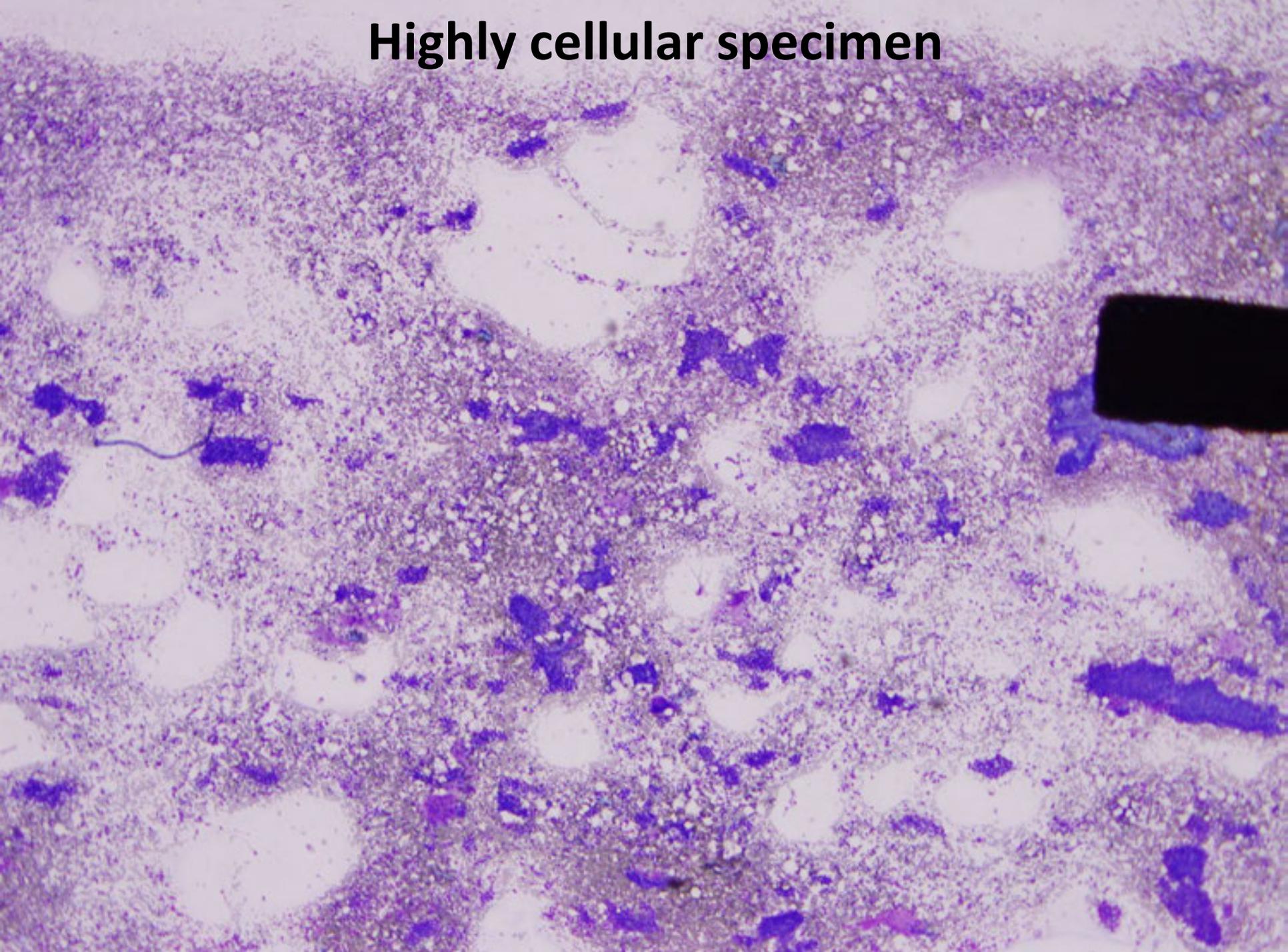
-mass located in the 12 o'clock position of the right breast, approximately 1 cm from the areola.

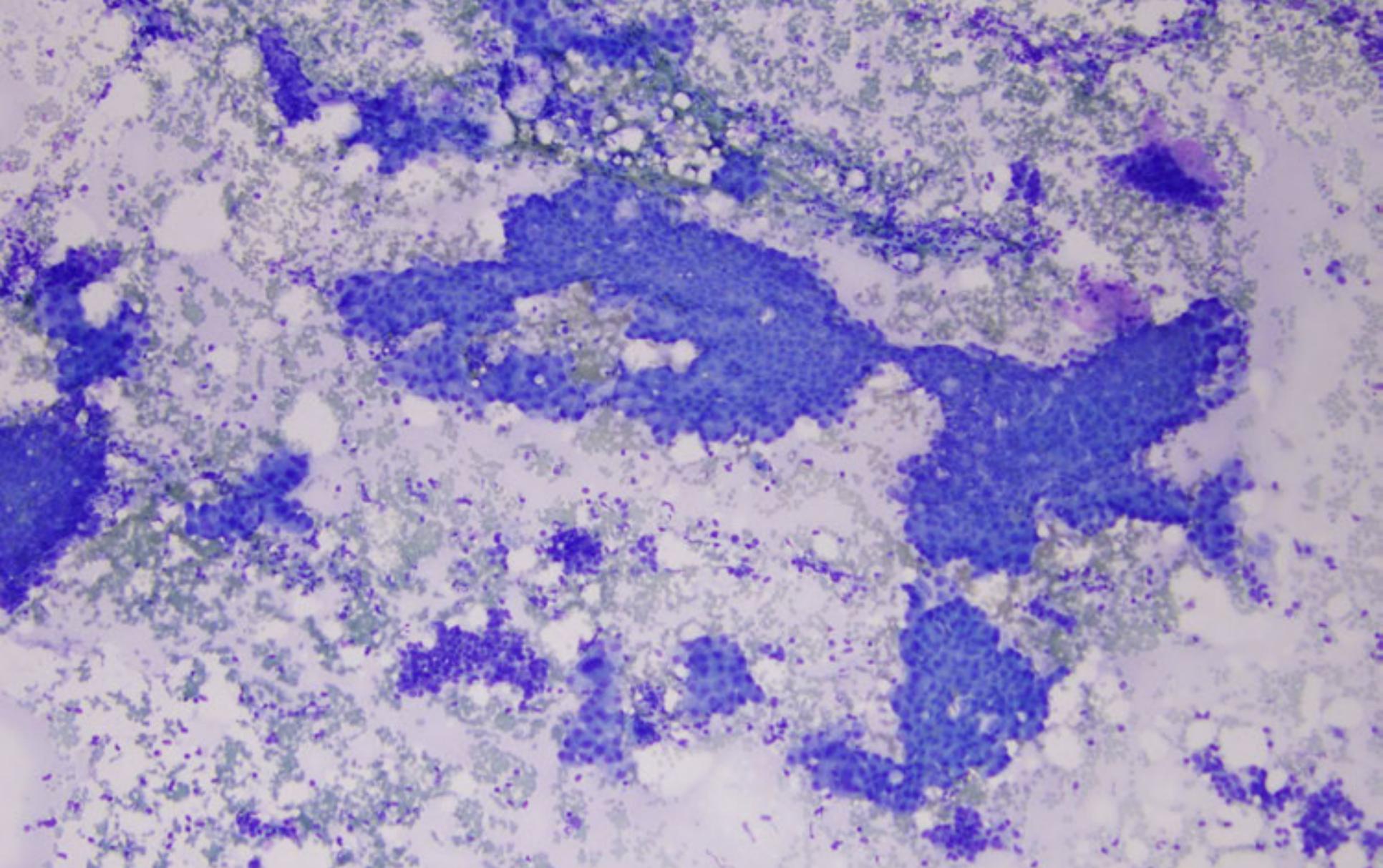
-since that time, the mass has been unchanged and is non-tender

- Breast cancer risk factors include: family hx on mother's side and family hx on father's side. Specifically she has two paternal aunts with cancer, one of which had cancer at a young age. Her father's mother also had breast cancer

**Imaging:** This mass measures 1.7 cm x 1.1 cm x 1.8 cm. It is considered suspicious as it is not absolutely consistent with fibroadenoma.

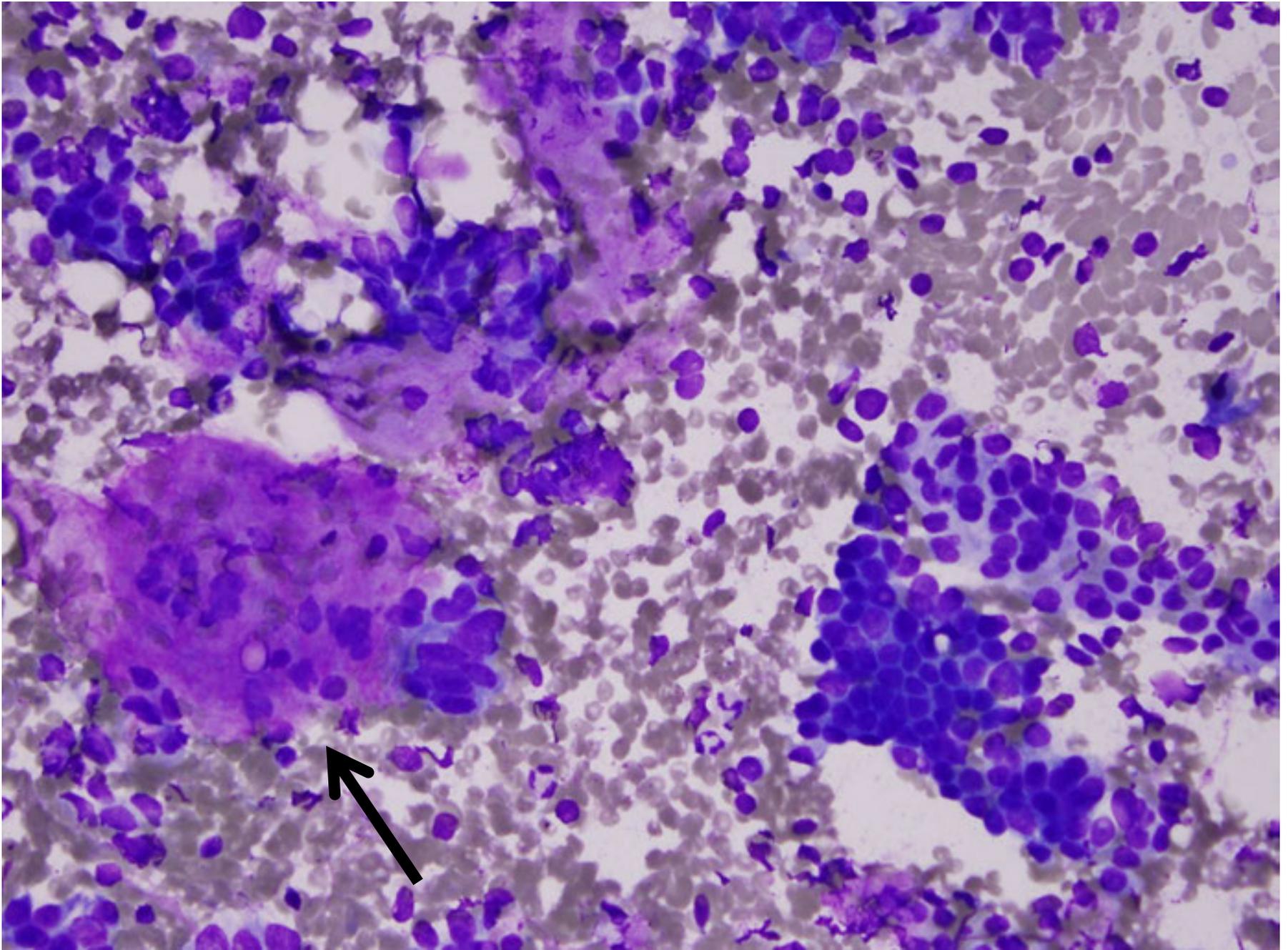
# Highly cellular specimen



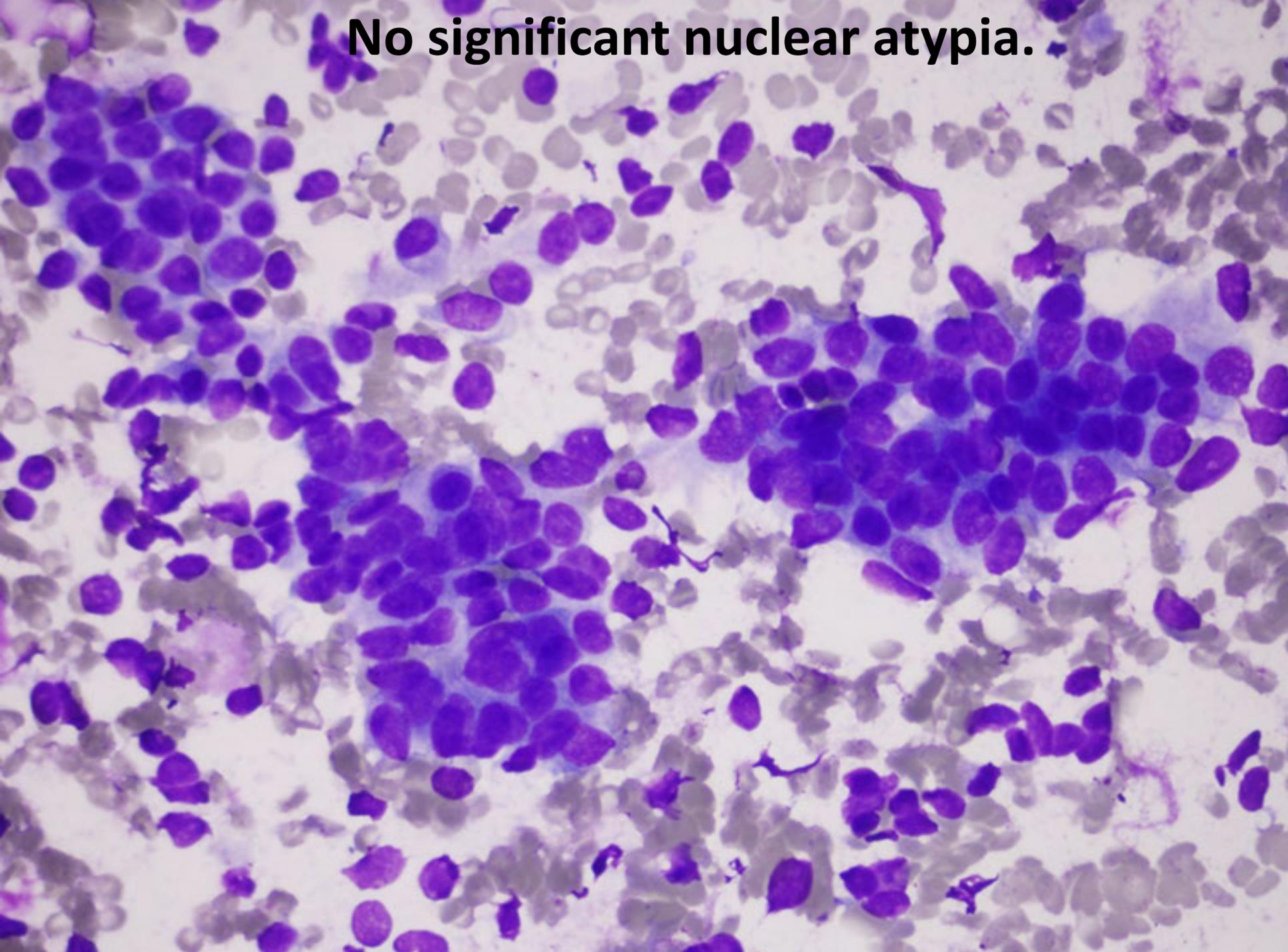


**Cohesive, branching clusters of ductal epithelial cells.  
Myoepithelial cells in background.**

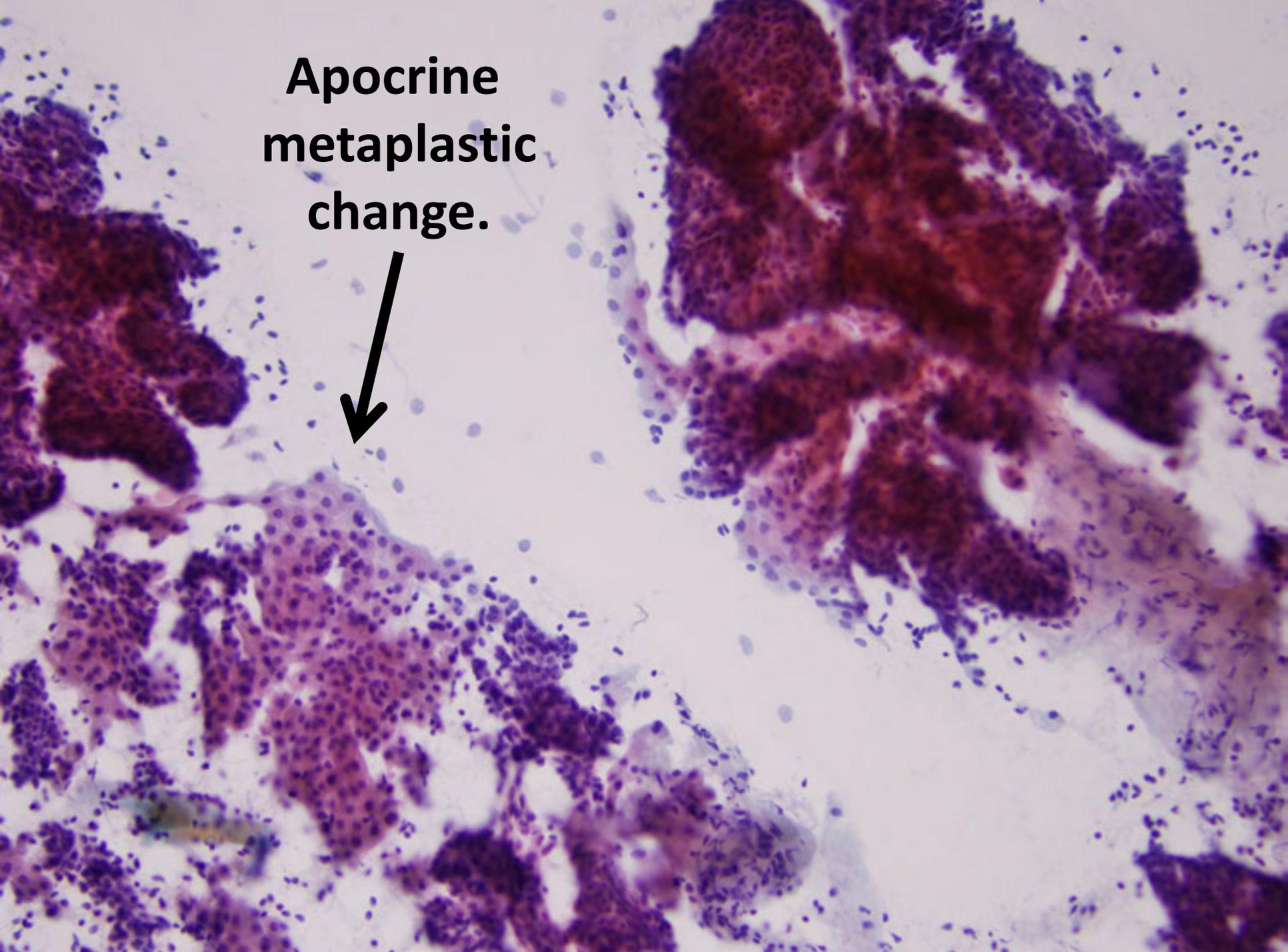
**Stromal fragments present.**

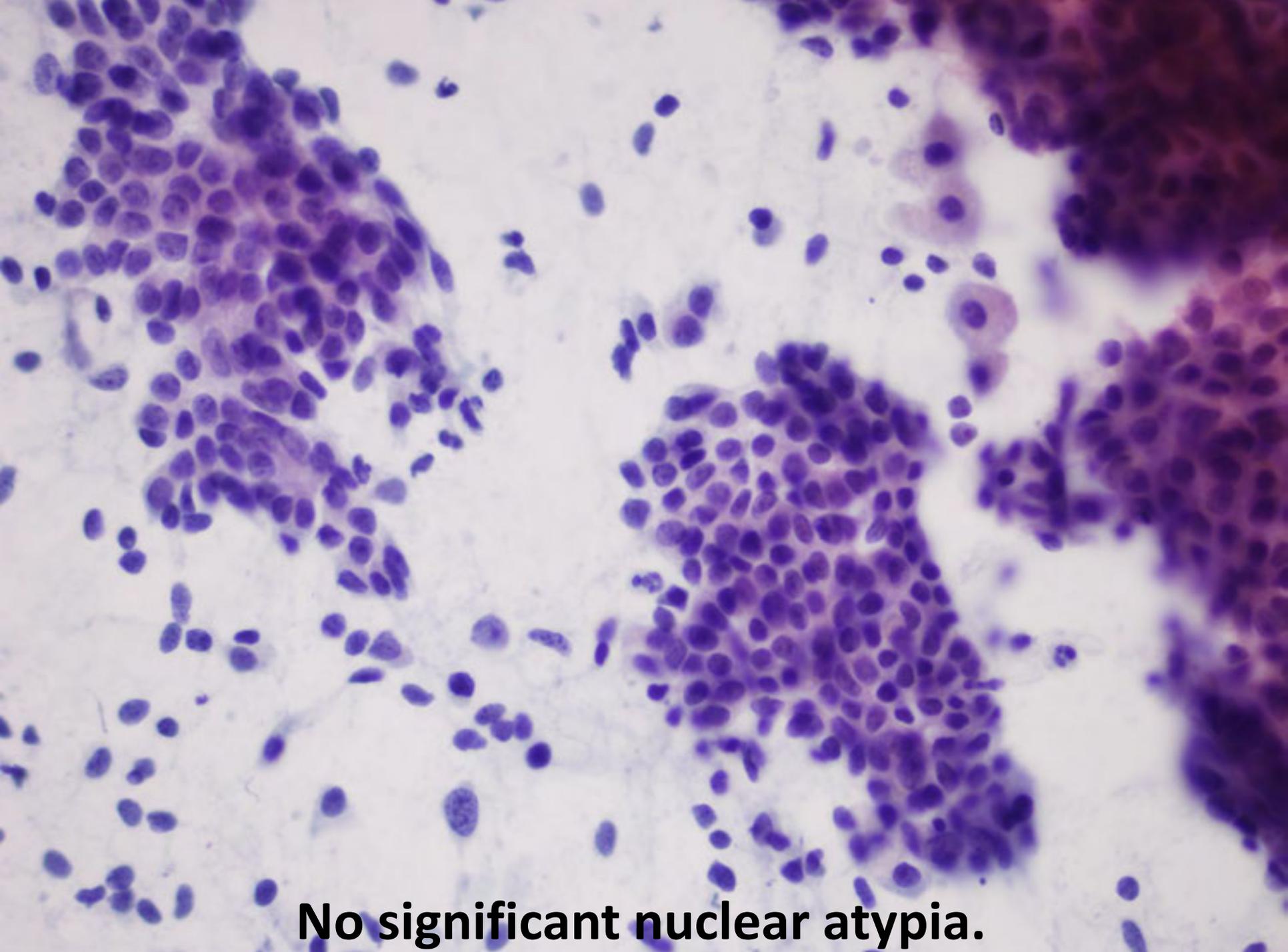


**No significant nuclear atypia.**



**Apocrine  
metaplastic  
change.**





**No significant nuclear atypia.**

DIAGNOSIS:

=====

Fibroadenoma with apocrine metaplasia.

## Fibroadenoma

-large honeycomb sheets and cohesive clusters, some braching and resembling antler horns.

-fibrillar stromal fragments

-bipolar cells and spindled or oval naked nuclei

-cytologic atypia can be present in some fibroadenomas

DDX: ductal proliferations, ductal carcinoma, papillary lesions