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 branching 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