Interesting case conference

4/8/13
86-year-old female
-little available history other than “lung mass on imaging”
-no information about previous cancer history

CT-guided FNA and concurrent needle core biopsy performed of the lung mass
Epithelioid cells with admixed inflammatory cells
Epithelioid cells with cytologic atypia
Mitotic Activity
Core Bx reveals infiltration
Calretinin
Other immunostaining results:

**POS**
- CK7
- CK5/6
- calretinin
- EMA
- WT-1
- MOC-31, BerEP4, TAG-72

**NEG**
- desmin
- TTF-1
- napsin-A
- p63
- p53
Final Diagnosis:

-Malignant mesothelioma, epithelioid type
Mesothelioma

-less than 2% of malignant effusions
-grossly grow as multiple plaques that coalesce into larger nodules visible on imaging
-histologic subtypes=> epithelial, sarcomatoid, mixed (sarcomatoid meso not likely to exfoliate cells)
Mesothelioma

-large clusters of cells which look mesothelial (round nuclei, two-tone cytoplasm, “knobby” borders)

-cells are larger than normal, N/C deceptively normal, nuclear atypia mild in most cases

-some cases the cells are more individually dispersed rather than cohesive

-diffuse strong positivity for EMA supports neoplastic versus reactive mesothelial proliferations