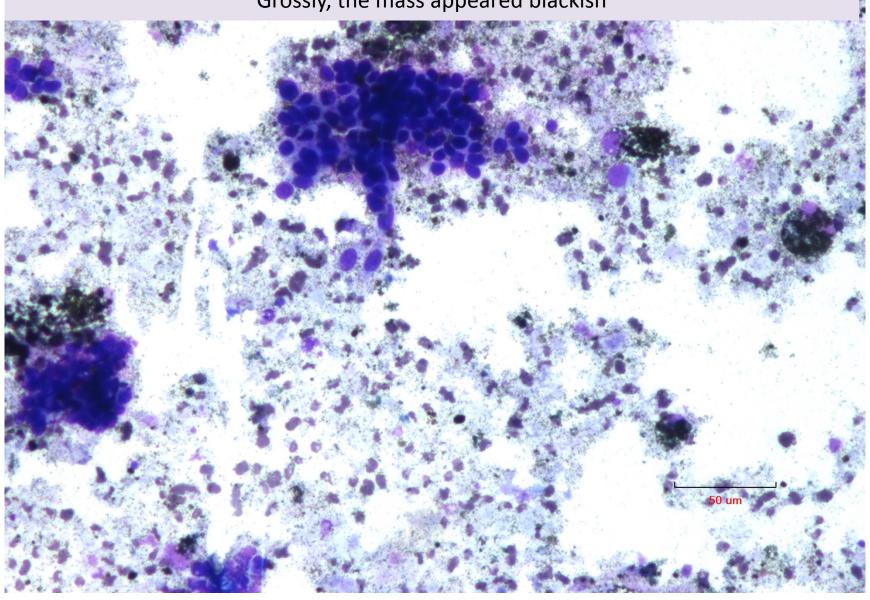
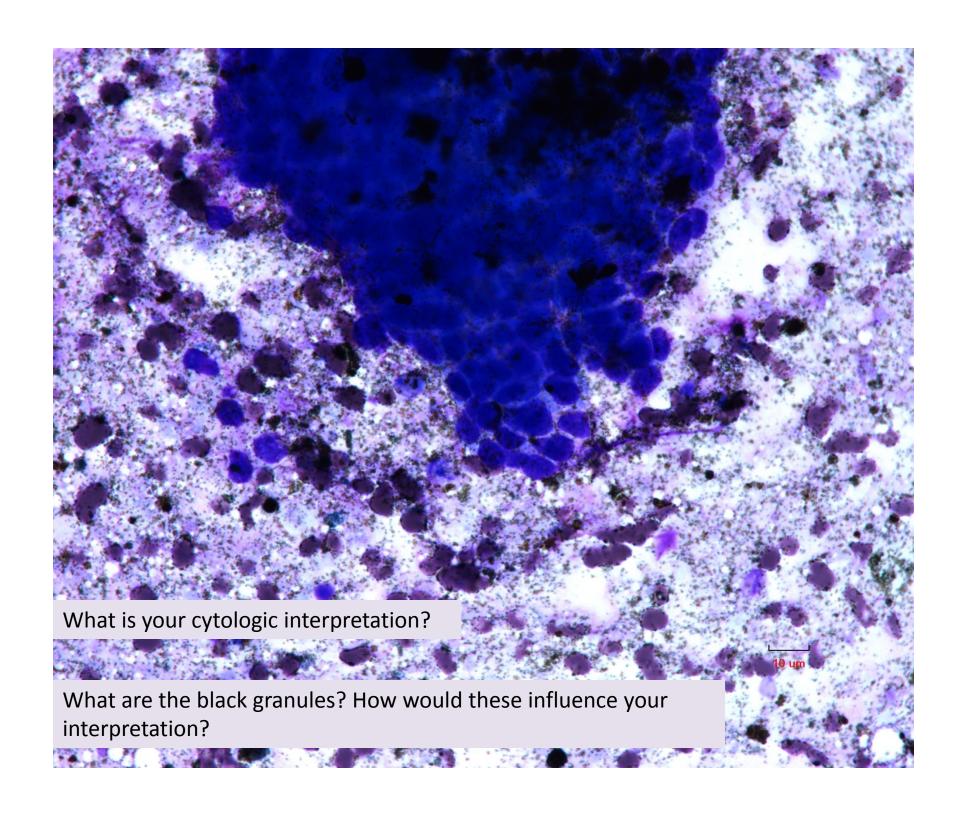
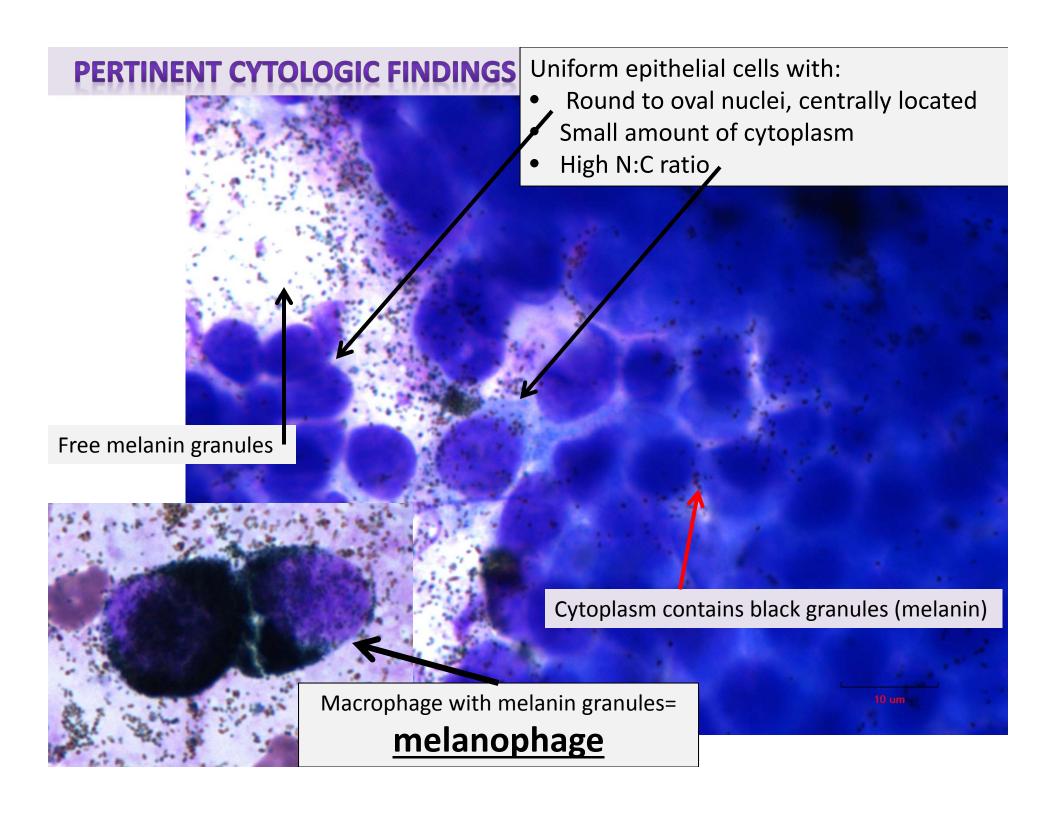
A 7-year-old domestic longhair cat

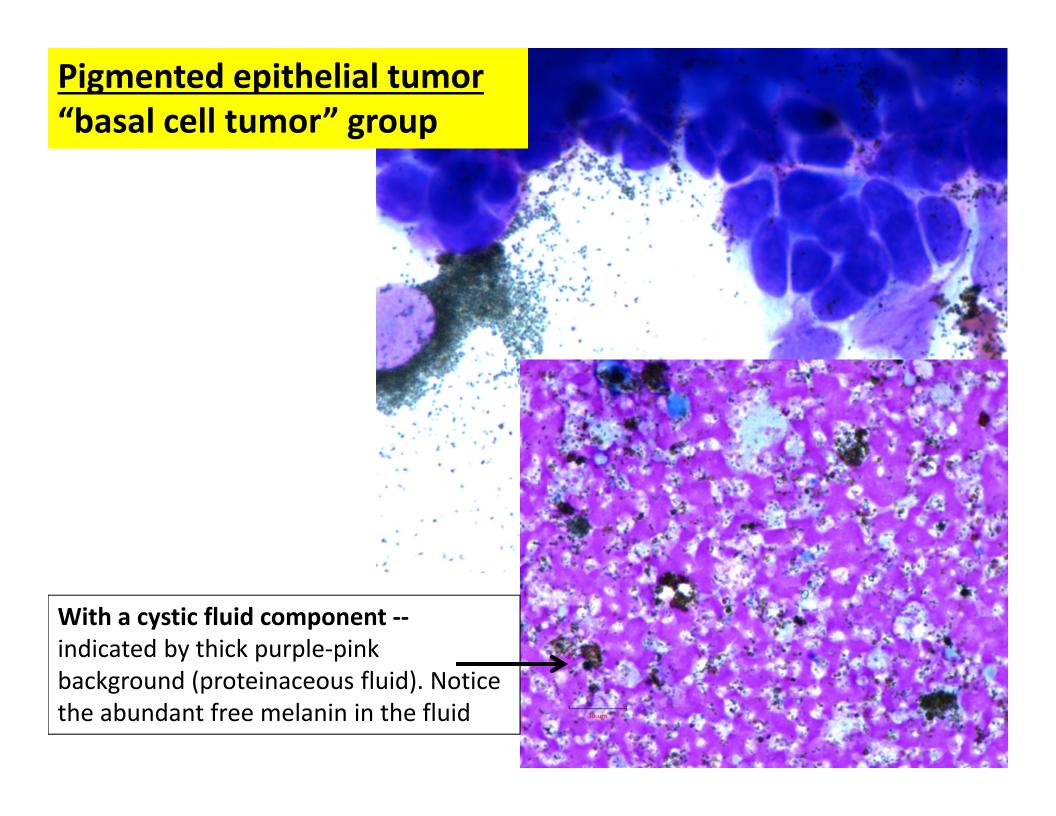
Fine needle aspirate from a subcutaneous mass on the shoulder

Grossly, the mass appeared blackish









"Basal cell tumors"

- Historically, "basal cell tumor" referred to a heterogeneous group of epidermal, trichofollicular and adnexal skin tumors with a common feature of basal cells¹
 - Recently, this large category has been parsed into more specific entities based on tissue architecture and immunohistochemical features^{2,3}
 - Trichoblastoma (dogs and cats-most common)
 - Solid-cystic apocrine ductular adenoma (cats-common)
 - Basal cell carcinoma or basal cell epithelioma (dogs and cats-rare)
 - Basal cell tumor (cats-rare)
 - Some of these classifications remain controversial^{2,3}
- Because of the reliance for specific classifications on either tissue architecture or immunohistochemical findings, cytologically these tumors are collectively referred to still as either basal cell tumors or cutaneous basilar epithelial neoplasms¹

Discussion

- On histopathologic exam, in addition to the basal cells and cystic structures, there were features of abrupt keratinization, consistent with a cystic trichoblastoma.
- Melanin pigmentation can be a prominent feature of all cutaneous basilar epithelial neoplasms, making a cytologic misdiagnosis of melanoma possible.
- Melan A can be useful in differentiating feline cutaneous melanoma from pigmented basal cell tumor⁴.

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