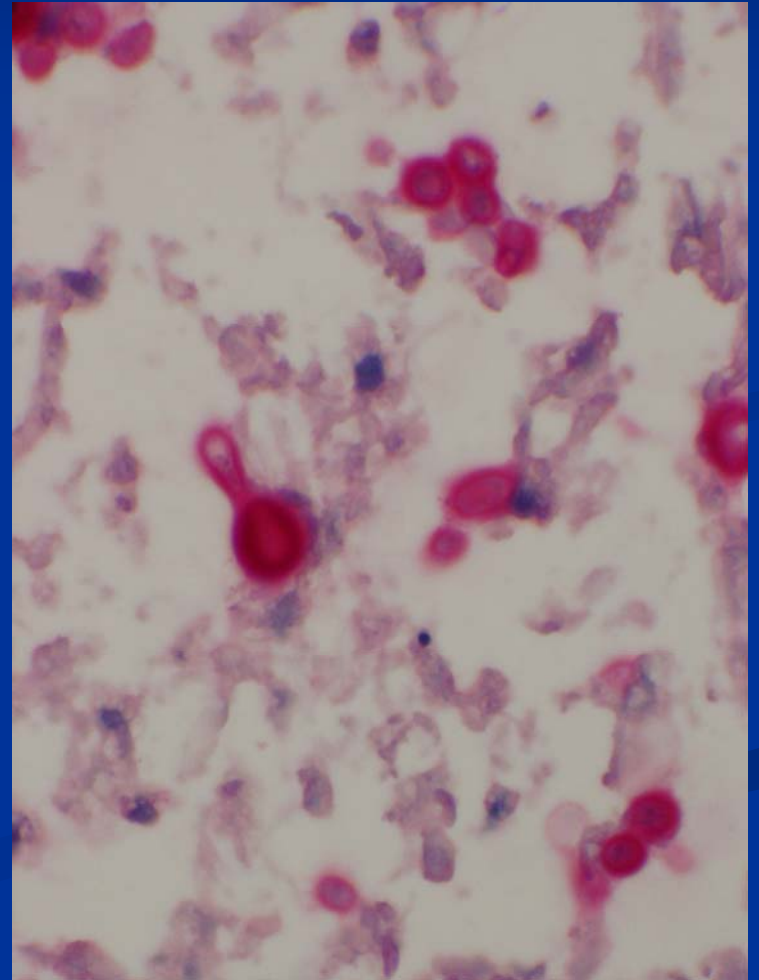
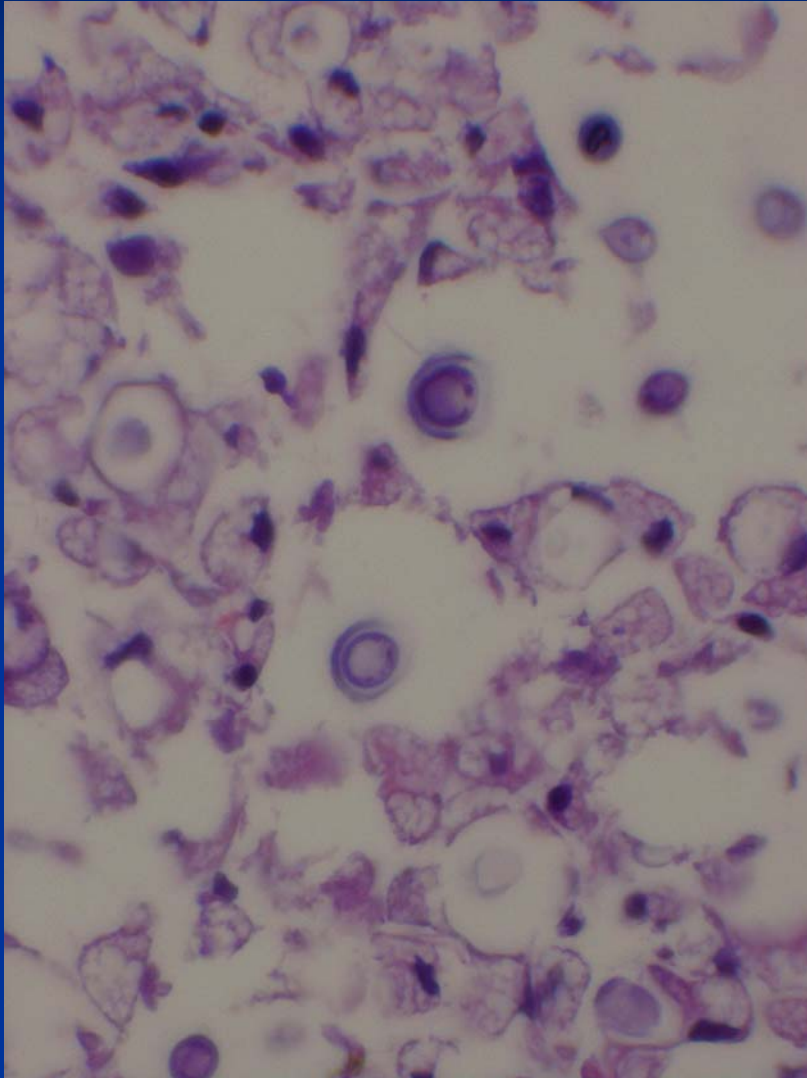


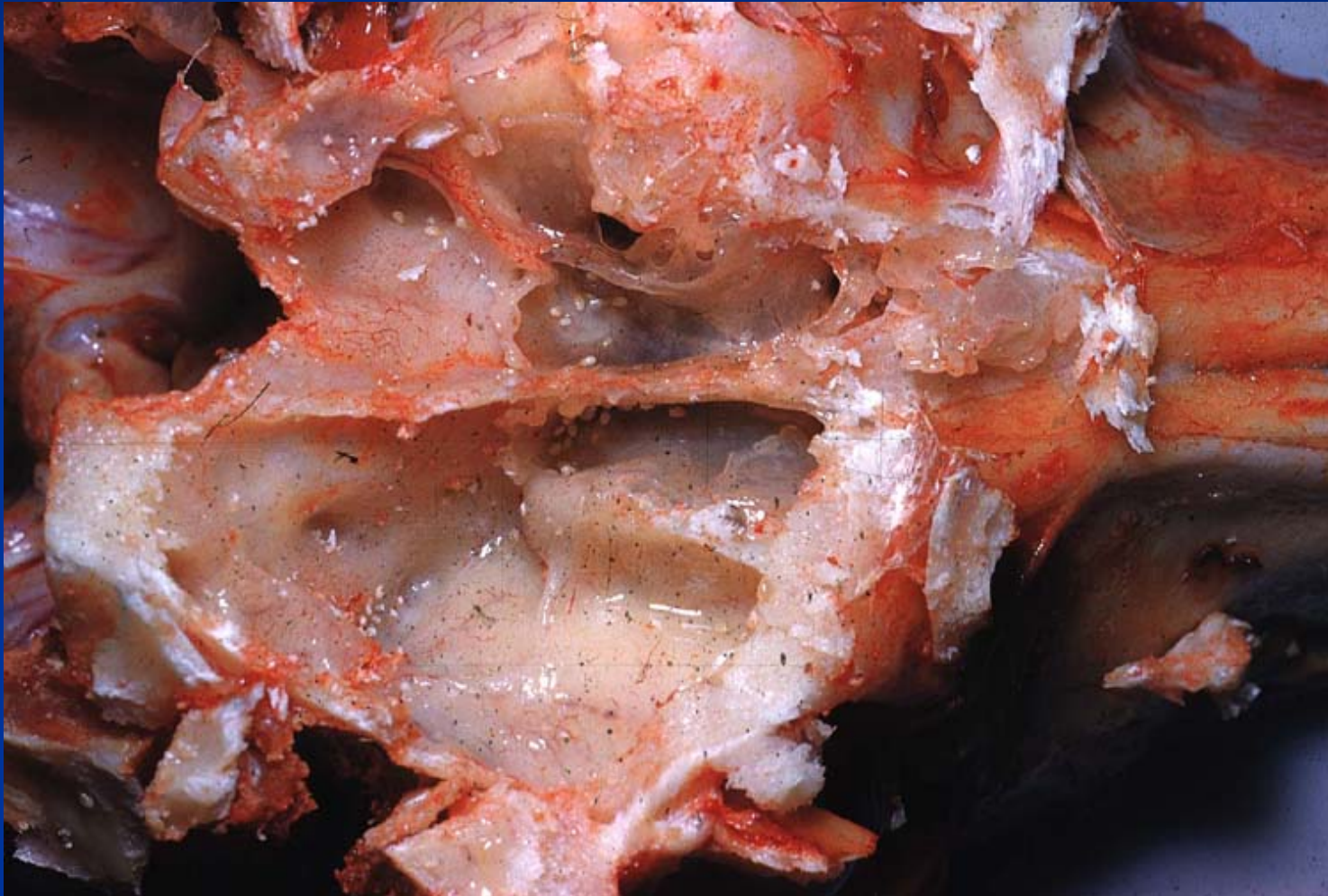
# *Cryptococcus spp* - Special Stain- Mucicarmine



# Parasitic Rhinitis

- *Pneumonyssoides caninum*
  - Nasal mites, occur worldwide in dogs
- *Cuterebra* sp. larvae - cats
- *Capillaria aerophila*
  - Occasionally in nose and sinuses
  - Generally in trachea and bronchi
- *Linguatula serrata*
  - Pentastomid, rare
  - Ingestion of uncooked ruminant meat
  - Nose, sometimes sinuses and middle ear

# *Pneumonyssoides caninum*





# Proliferative Lesions

## Nasopharyngeal Polyps of Cats

- Exophytic, often pedunculated masses
- Nasopharynx and eustachian tubes
- Histopathology: inflammatory polyps



# Neoplasia - Nasal Passages and Sinuses

## ■ General

- Invasive, epistaxis frequent, neurologic signs possible
- Frequently secondarily infected
- Carcinomas most common, then sarcomas

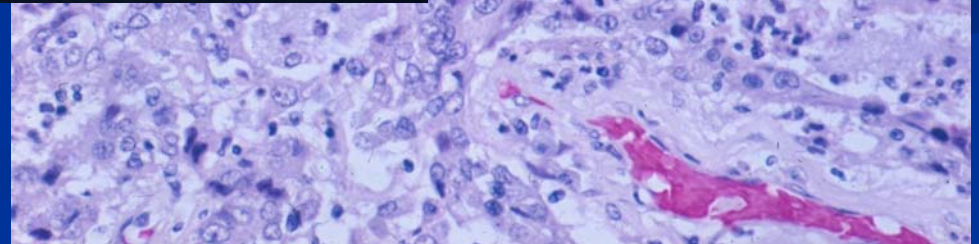
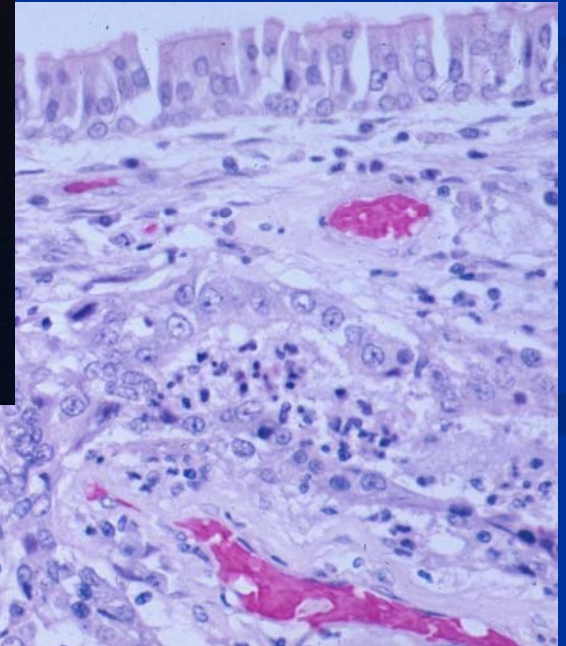
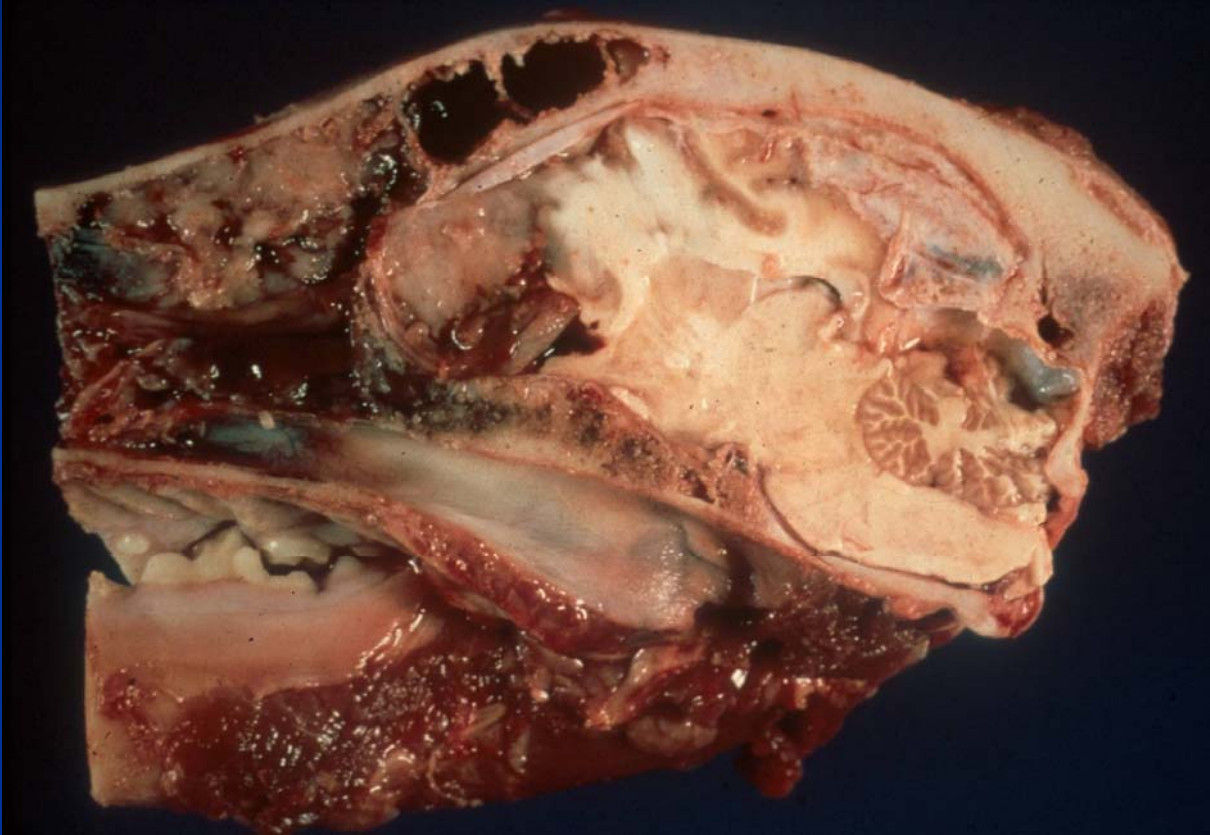
## ■ Dogs

- Transitional carcinoma most common, then adenocarcinoma
- Breed predisposition: Collies, Airedale terrier, basset hound, German Shepherd (Alsation)
- Location: nasal passages and sinuses
- Occasionally sarcoma

## ■ Cats

- Less commonly affected
- Squamous cell carcinoma most common

# Neoplasia of the Nasal Passages



# Airway Diseases

- Noninfectious – mainly dogs
  - Brachycephalic airway syndrome
  - Laryngeal paralysis/stenosis
  - Laryngeal edema
  - Tracheal hypoplasia, stenosis
  - Tracheal collapse
  - Bronchial dysplasia
  - Primary ciliary dyskinesia
  - Feline asthma
- Infectious
  - Canine infectious tracheobronchitis
  - Parasitic



# Brachycephalic Airway Syndrome

- Brachycephalic dog breeds: e.g. bulldogs, boxers, Boston terriers, pugs, Pekingese
- Respiratory impairment due to stenotic external nostrils and excessive soft palate leading to obstruction of airflow
- Laryngeal and nasal edema can result
- Anesthesia risk
- Predisposes to heat stress



# Laryngeal Edema

- Traumatic - chain/lead in dogs
- Brachycephalic airway syndrome
- Systemic anaphylaxis in cats
- Iatrogenic in both cats and dogs

# Laryngeal Stenosis - Dog

