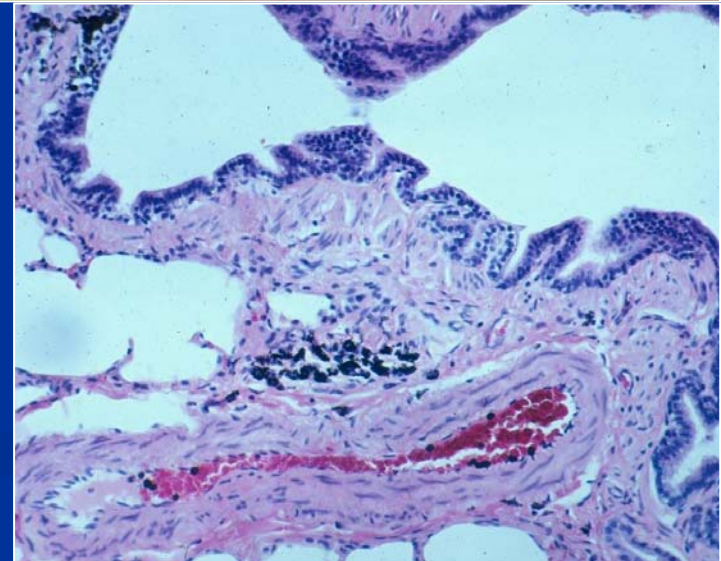


Pneumoconiosis

- Anthracosis
- Asbestosis
- Silicosis
- Clay - bentonite – cat litter ?????

Pneumoconiosis - Anthracosis

- Species: dogs, humans, etc, living in cities
- Disease: benign accumulation of carbon



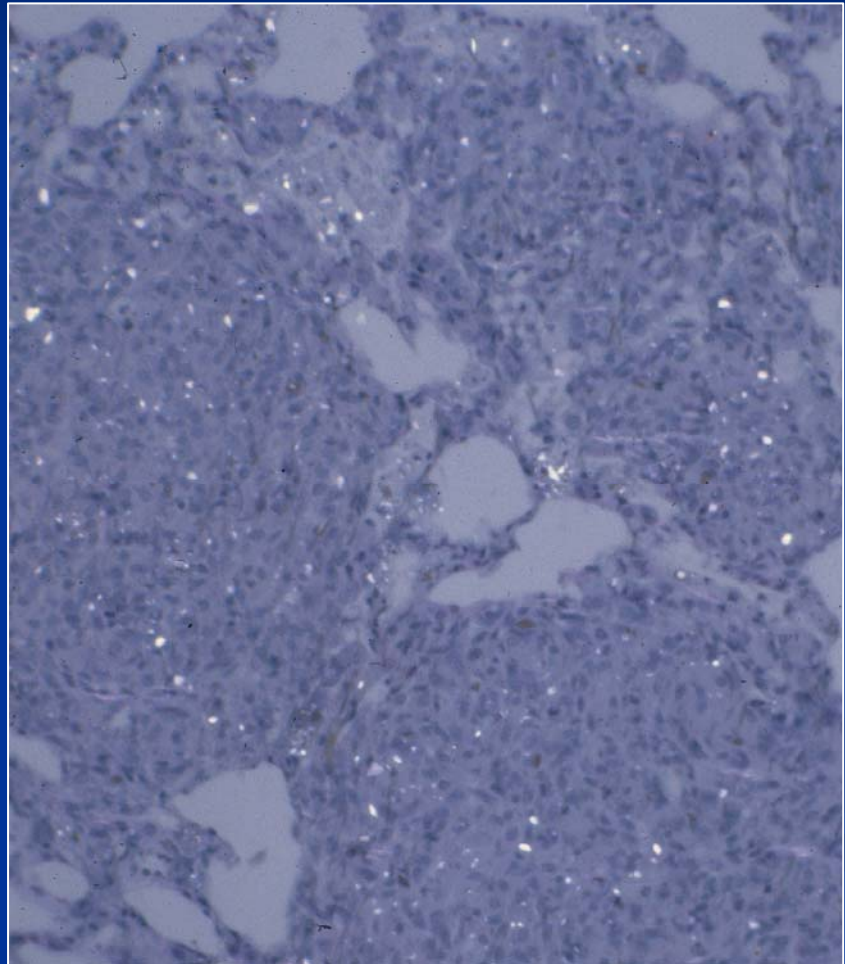
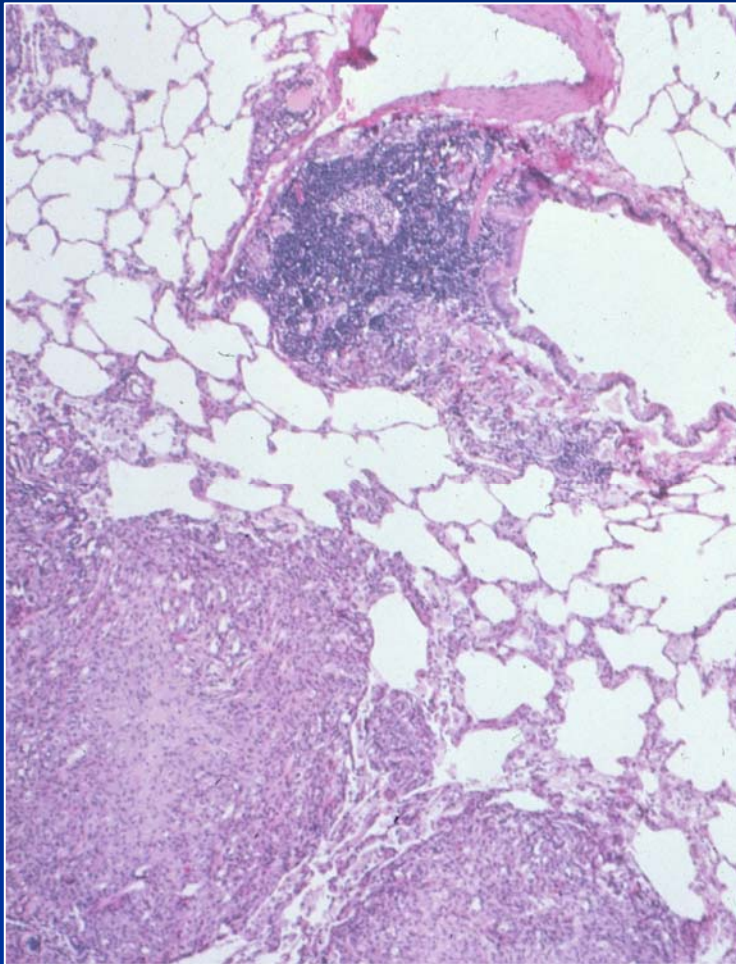
Pneumoconiosis - Asbestosis

- Species: man, dog, cattle
- Lesions
 - Inflammation, fibrosis, asbestos bodies
 - Mesothelioma
- Pathogenesis: macrophage and epithelial injury

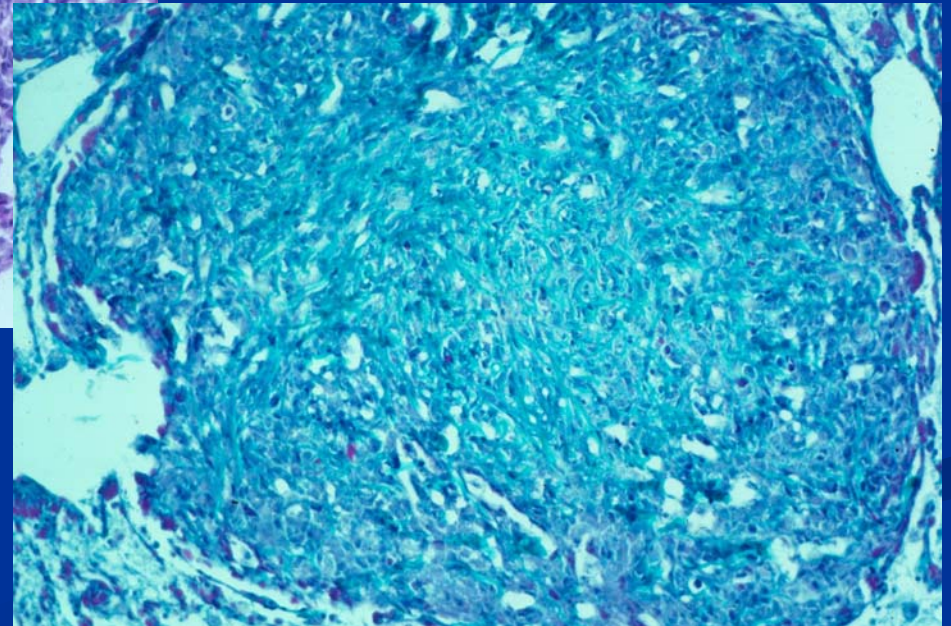
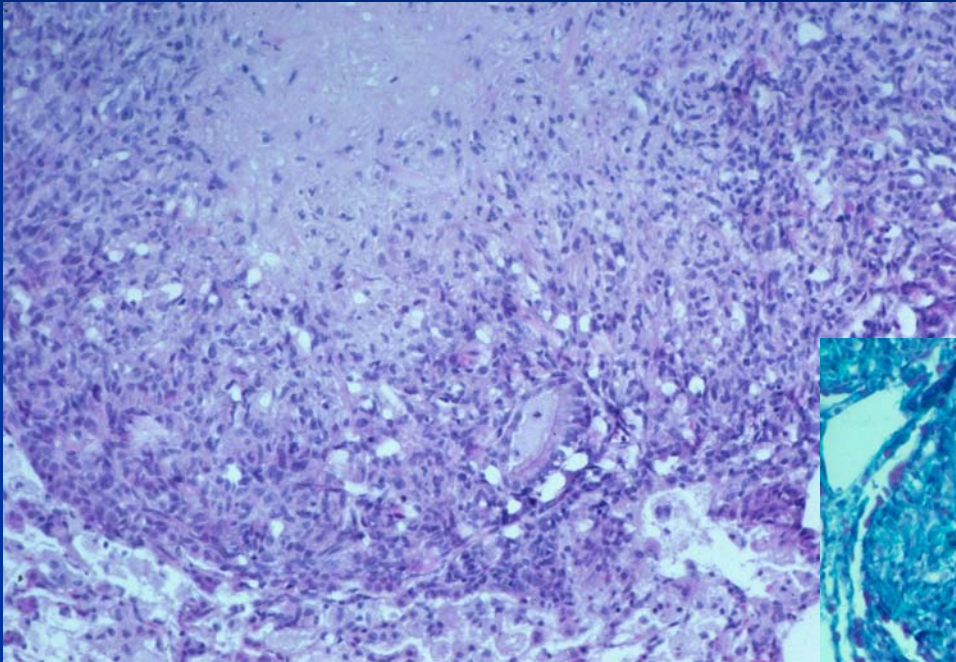
Pneumoconiosis - Silicosis

- Species: humans, horses, wildlife and zoo animals
- Origin: mines, sandblasting, sand flouncing
- Pathology: progressive granulomatous disease
- Pathogenesis: cytotoxicity to macrophages

Silicosis – Rat (Exp)



Pneumoconiosis - Silicosis



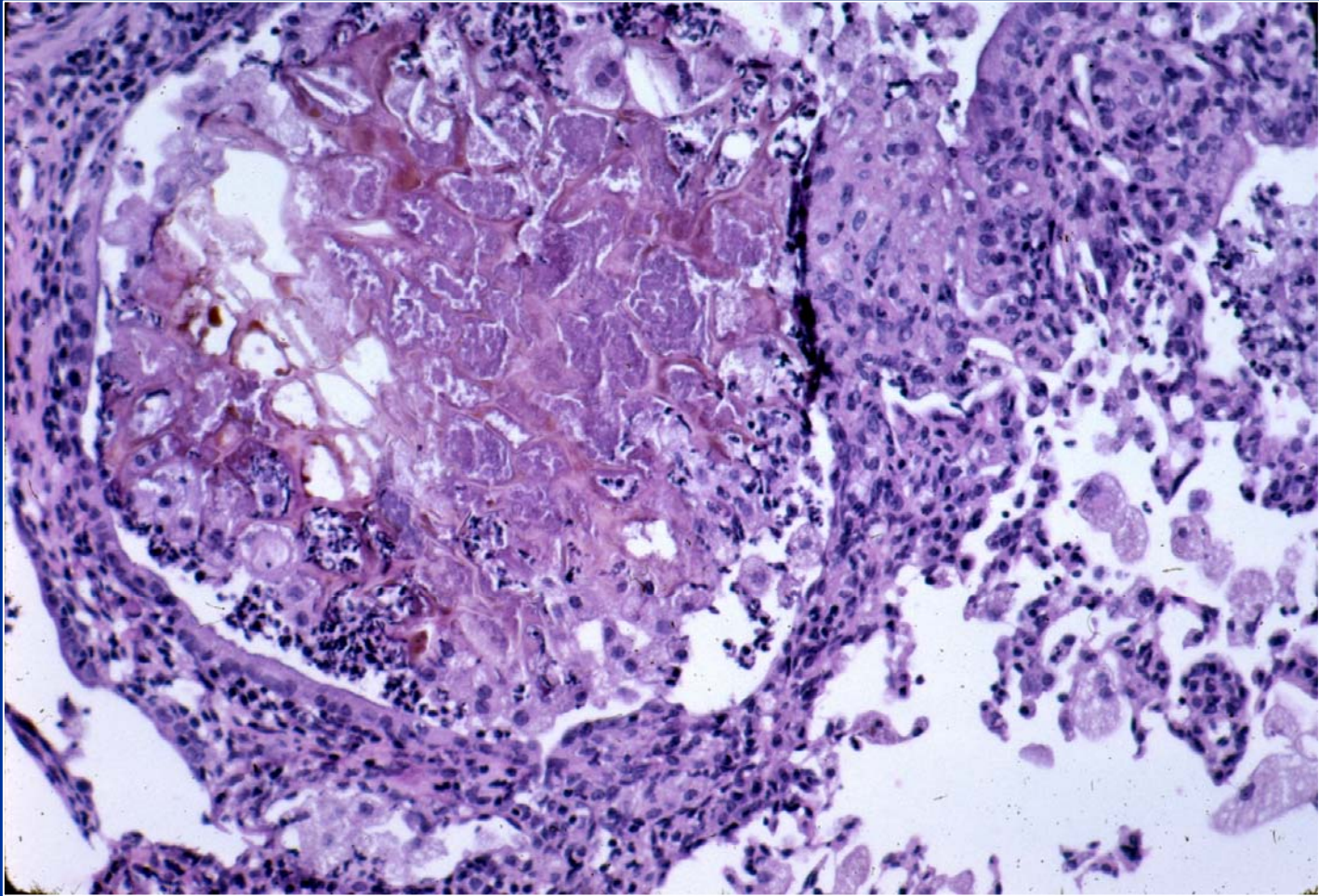
Aspiration Pneumonia

- Etiology/predisposing factors
 - Iatrogenic
 - Cleft palate
 - Anesthesia
 - CNS disorder
 - White muscle disease
 - Improper force feeding
 - Prenatal stress

Aspiration Pneumonia cont.

- Response to aspirated material
- Lesion
 - Bronchopneumonia
 - Distribution
 - Anteroventral/locally extensive
 - Multifocal
 - Severity
 - Identification of foreign material

Aspiration Pneumonia - Mouse



Fetal Aspiration Pneumonia

- Fetal hypoxia and acidosis (fetal distress)
- Relaxation of anal sphincter with release of meconium into amniotic fluid
- Loss of glossal reflex allows aspiration of amniotic fluid containing squames and meconium
- May also aspirate pathogens if placentitis present
- Inflammation results – easily missed