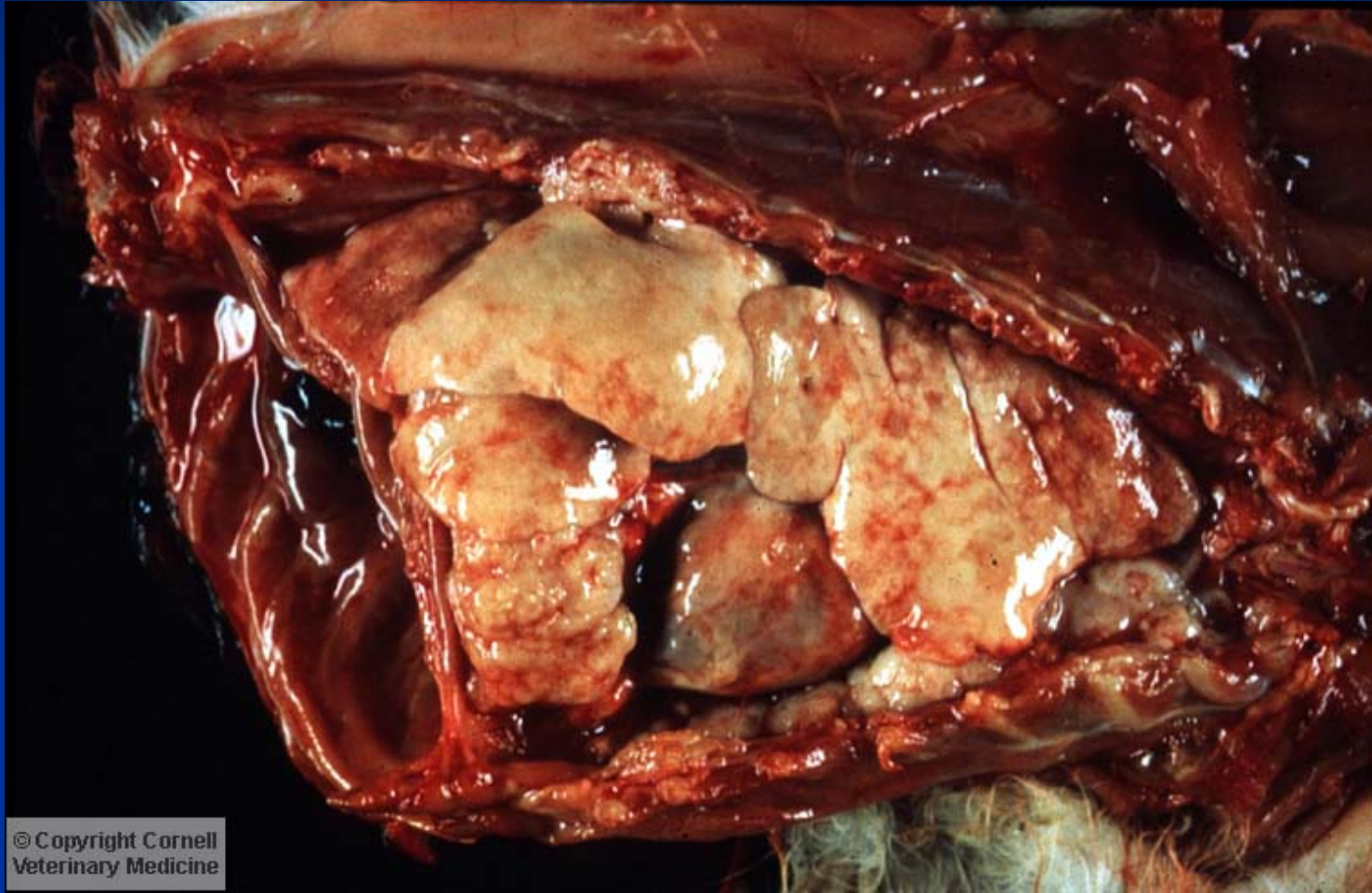


Aspiration Pneumonia

Dogs and Cats

- Low pH of gastric contents
- Etiology/predisposing factors
 - Improper force feeding - common in kittens
 - Megaesophagus - mainly in dogs
 - Cleft palate
 - Kerosine ingestion
 - Anesthesia
 - Iatrogenic

Exogenous Lipid Pneumonia—Cat



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Veterinary Medicine

Viral Rhinotracheitis

- Dog
 - None exclusively affecting nasal cavity or sinuses
 - Mostly part of generalized respiratory disease e.g. distemper, adenovirus, influenza, canine herpes virus 1 (CHV-1)
- Cat
 - Feline Respiratory Disease Complex
 - Secondary to immunosuppressive effects of feline retroviruses, FLV and FIV

Canine Infectious Tracheobronchitis

- Disease – common, contagious
 - Coughing exacerbated by exercise
 - High morbidity
- Etiology – often combination
 - Environmental factors
 - Viruses – esp. CAV-1 and -2, CPV
 - Bacteria – esp. *Bordetella bronchiseptica*
- Possible sequella
 - Predisposition to bronchopneumonia

Infectious Respiratory Disease in Dogs

- Viral
 - Canine herpesvirus I
 - Canine distemper virus - morbillivirus
 - Adenovirus
 - Influenza A – mutation from equine strain
- Bacterial
 - *Bordetella bronchiseptica*
- Mycotic
 - Blastomycoses
- Protozoal
 - Toxoplasmosis

Feline Respiratory Disease Complex

- High morbidity, URT signs and conjunctivitis
- Predispose to secondary bacterial pneumonia
- Feline viral rhinotracheitis – herpes virus
- Feline calicivirus

Other agents that can cause mild bronchointerstitial pneumonia, occasionally

Feline chlamydiosis -
Chlamydophila felis (psittaci)
Mycoplasma felis



Viral Respiratory Diseases of Cats

- Feline viral rhinotracheitis – herpes virus
- Feline calicivirus
- Feline infectious peritonitis (FIP) – vasculitis, pleuritis
- Avian influenza – domestic and wild felids
- Cats very susceptible to experimental infection with Hendra virus
- Nippah virus

Feline Viral Rhinotracheitis

- Feline herpesvirus 1 (FHV-1)
- Common, worldwide disease
- Domestic and exotic felids
- Age – mainly kittens
- Clinical signs
 - Typical URT signs
 - Fever
 - Conjunctival discharge
- Lesions are reversible
- Predisposes to secondary bacterial pneumonia

Feline Viral Rhinotracheitis

■ Lesions

- Ulcerative rhinitis, conjunctivitis and pharyngitis
- Rarely see INIB
- Secondary bacterial infection and pneumonia
- Ulcerative keratitis, hepatic necrosis, emaciation
- Abortion and stillbirths
- Proliferative and ulcerative dermatitis of nose and front legs with INIB – domestic cats and cheetahs

Feline Viral Rhinotracheitis

