

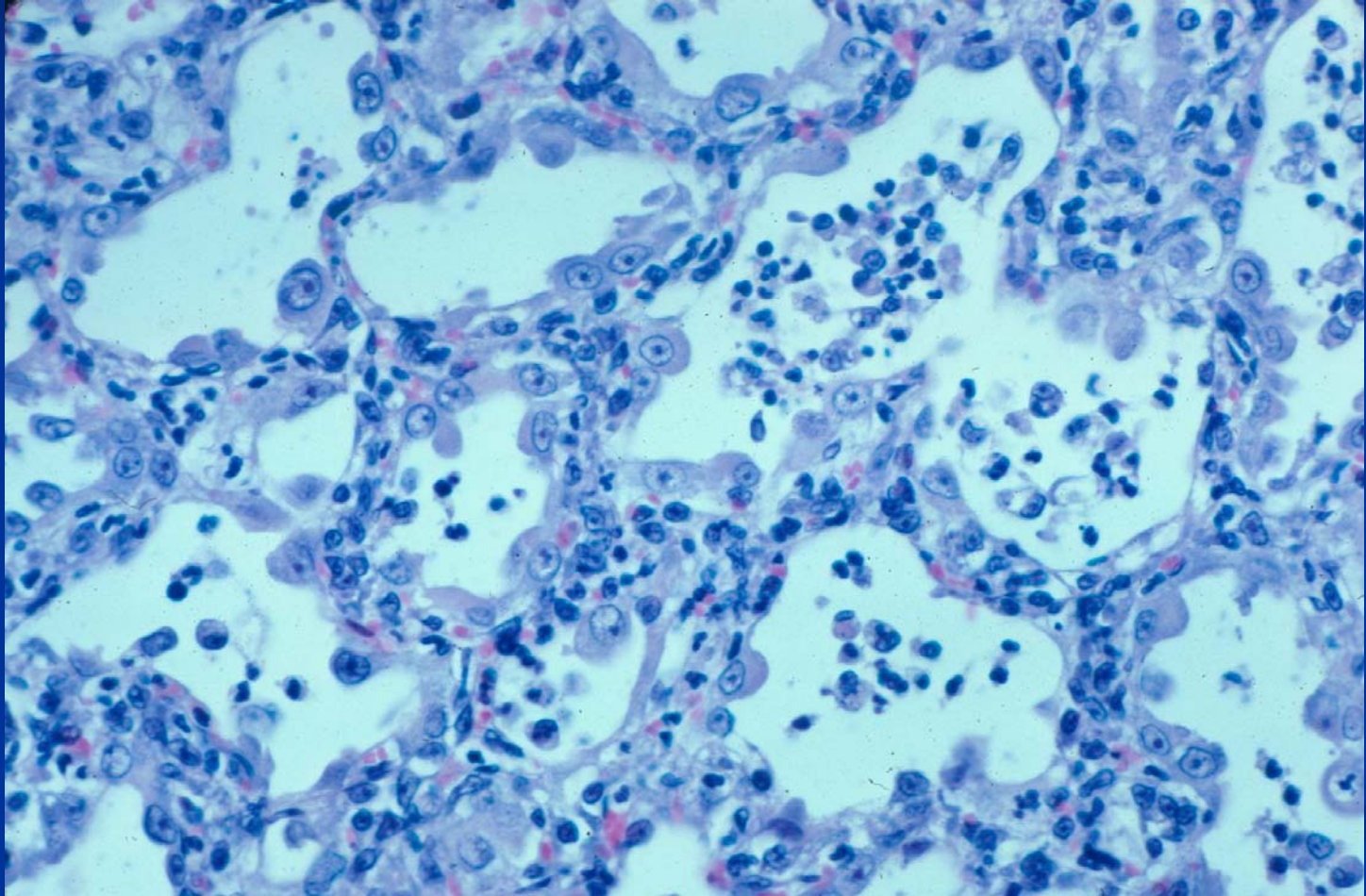
Herpes Virus Pneumonia—Cat



Feline Calicivirus

- Virulence varies by strain
- Domestic and exotic felids
- Oral ulceration in addition to URT signs
- Can have high mortality e.g. up to 50% with febrile hemorrhagic syndrome
- Pathology
 - Necrotizing bronchiolitis
 - Interstitial pneumonia
 - Secondary bacterial pneumonia

Feline Calicivirus



Viral Respiratory Disease in Dogs

- Canine herpesvirus I
- Canine distemper virus - morbillivirus
- Canine adenovirus 1 and 2
- Influenza A – mutation from equine strain
- Avian influenza

Canine Herpesvirus

- Canine herpesvirus 1 (CHV-1)
- Newborns (“fading puppy syndrome”)
 - Hypothermia
 - Generalized disease with renal hemorrhage
- Adults (rarely clinical disease)
 - Necrotizing rhinotracheitis
 - Secondary bronchopneumonia
 - Reactivation with placental transmission resulting in abortion and stillbirths

Canine Distemper Virus (CDV)

- Canidae, foxes, wild Felidae, Mustelidae (mink, ferret), Procyonidae (raccoons)
- Morbillivirus (Family Paramyxoviridae)
- Inhaled – lymph node proliferative - viremia
- Pantropic, mainly epithelial cells with immune suppression (down regulates cytokine production)

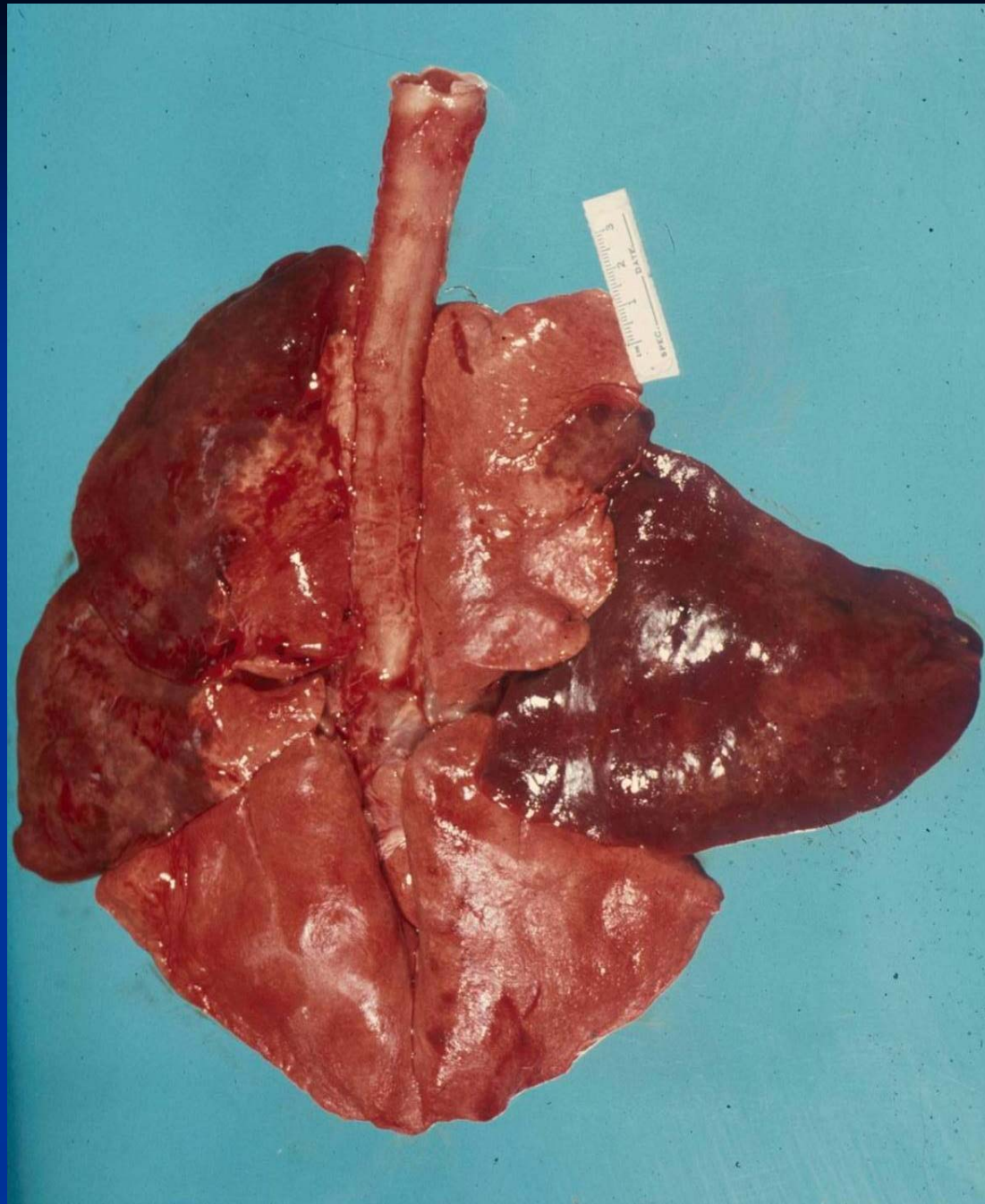
Canine Distemper Virus (CDV)

- Clinical signs in typical disease –fever, oculonasal discharge, diarrhea, skin papules, nervous signs
- Pathology
 - Mucopurulent rhinotracheitis
 - Bronchointerstitial pneumonia, secondary bronchopneumonia
 - Encephalomyelitis
 - Enamel hypoplasia (teeth)
 - Hyperkeratosis of foot pads

Canine Distemper Virus

- Other disease manifestations
 - Abortion, weak pups, neurologic disease in infected newborns
 - Neonatal disease
 - Thymic atrophy, necrotizing encephalitis
 - New reports of severe interstitial pneumonia with hemorrhages but no inclusion bodies

**Canine
Distemper
with
Secondary
Bacterial
Infection
(anteroventral
bronchopneu-
monia)**



Canine Distemper

