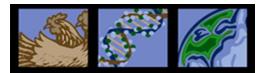
AVIAN INFECTIOUS BRONCHITIS SLIDE STUDY SET

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OPULATION

Introduction

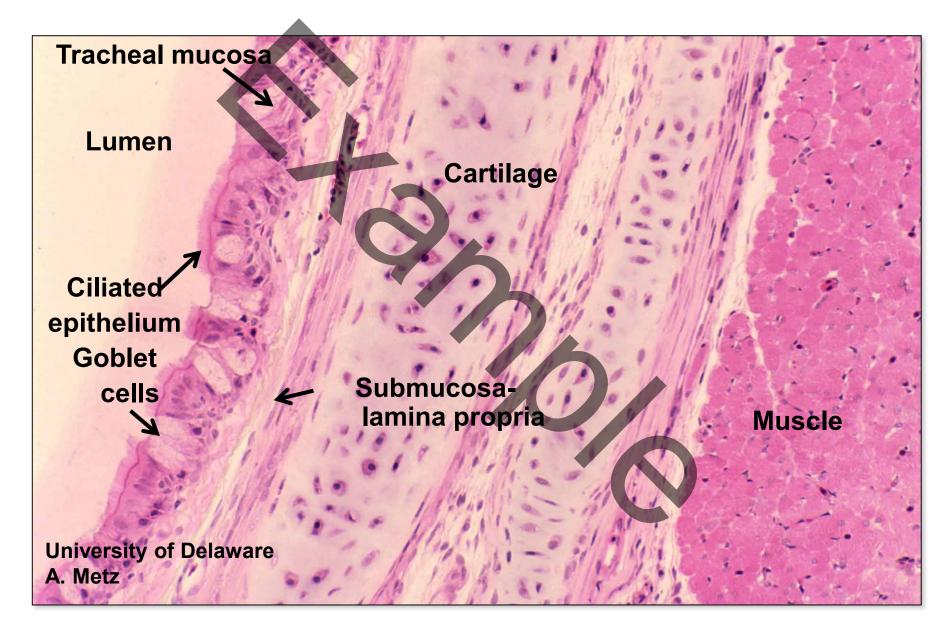
- Infectious bronchitis is a highly contagious upperrespiratory tract disease caused by the avian coronavirus infectious bronchitis virus (IBV)
 - Some strains of the virus can also cause an interstitial nephritis
- The disease is found worldwide and occurs mainly in chickens but the virus has also been isolated from peafowl, teal, geese, pigeons and ducks.

Introduction Continued

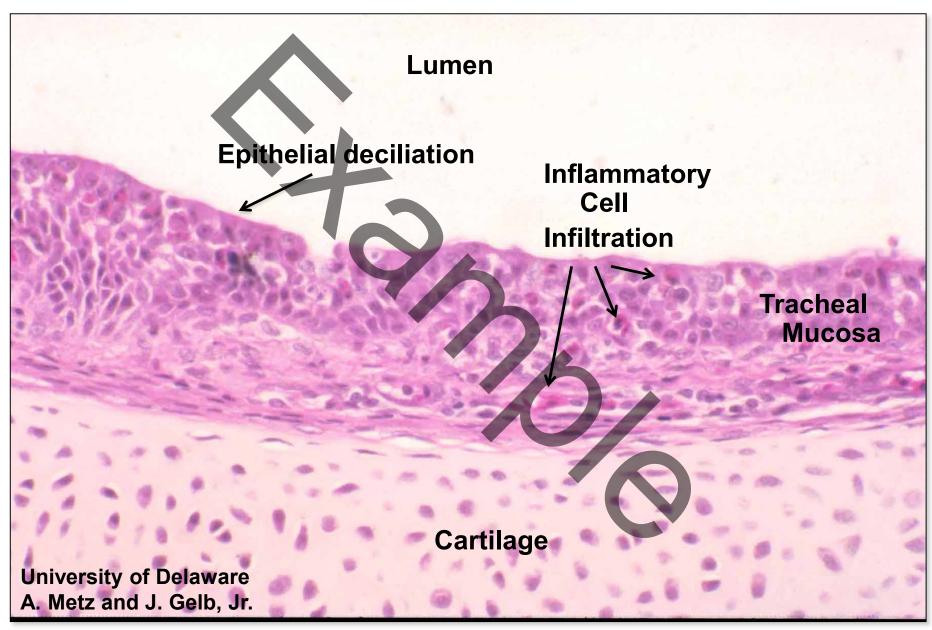
- Multiple types of the virus exist with little or no cross protection
 - Serotype: defined by an antigen-antibody relationship
 - Genotype: defined by genetic similarity among the S1 portion of the spike gene
- Secondary pathogens (avian mycoplasma, Escherichia coli, Ornithobacterium rhinotrachealie, Bordetella avium) can complicate the disease resulting in airsaculitis, pneumonia and peritonitis
- Attenuated live and killed vaccines are used for control



Normal Trachea

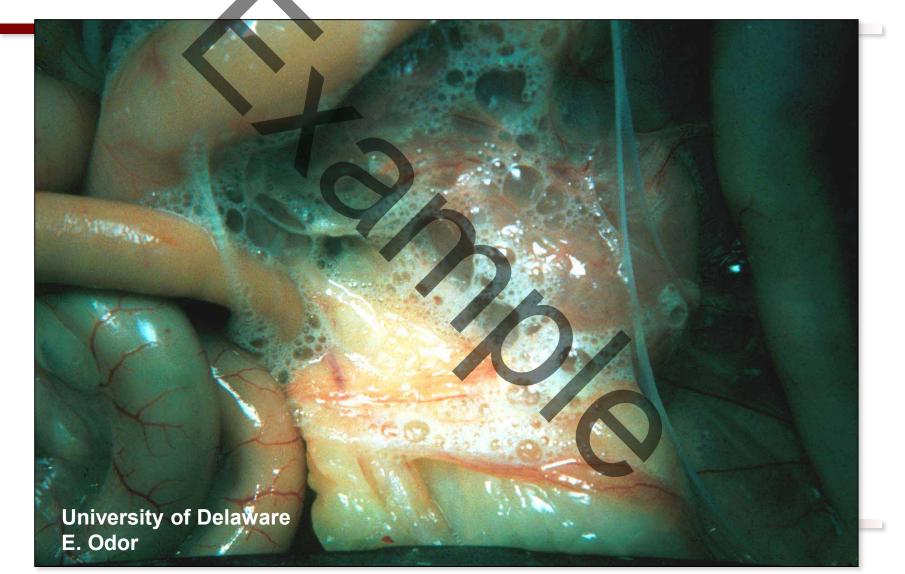


IBV Infected Trachea



Respiratory Form Airsacculitis - Acute Phase

F



Respiratory Form Airsacculitis - Chronic Phase



