SIGNALMENT AND HISTORY

- 2 year old Thoroughbred female
- Shipped from NE United States a week before presentation
- Problems
  - Ulcerative lip and gingival lesions
  - Elevated heart and respiratory rates
  - Watery diarrhea
  - Generalized dermatitis with friable skin
  - Thrombosis of both jugular veins
- Despite treatment, her condition deteriorated and she died
GROSS NECROPSY
HISTOPATHOLOGY

Lung
HISTOPATHOLOGY

Kidney
MORPHOLOGIC DIAGNOSES

• Pneumonia, pyogranulomatous and necrohemorrhagic, multifocal, subacute, severe, with vasculitis
• Nephritis, pyogranulomatous and necrohemorrhagic, multifocal, bilateral, subacute, severe, with vasculitis
BACTERIAL CULTURE

• Aerobic culture of lung yielded >99% Actinobacillus sp.
Actinobacillus equuli

- Gram-negative, commensal bacteria
  - Oral cavity
  - Upper respiratory tract
- Septicemia
  - More common in neonatal foals
  - Uncommon in adults unless immunocompromised
COMMON CLINICAL PRESENTATIONS

• Foals
  • Embolic nephritis (most common cause)
  • Embolic pneumonia

• Adults
  • Septicemia (nephritis, pneumonia)
  • Peritonitis
• Septicemic actinobacillosis
• May have originated from oral ulcer
• Embolic dispersal of bacteria to skin, kidneys, and lungs leading to necrosis
REFERENCES


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THANK YOU

- Dr. Michael Dark
- Dr. Whitney Zoll
- UF CVM Pathology Faculty and Residents
- Histology Lab