

What are DDx (differential diagnoses)?

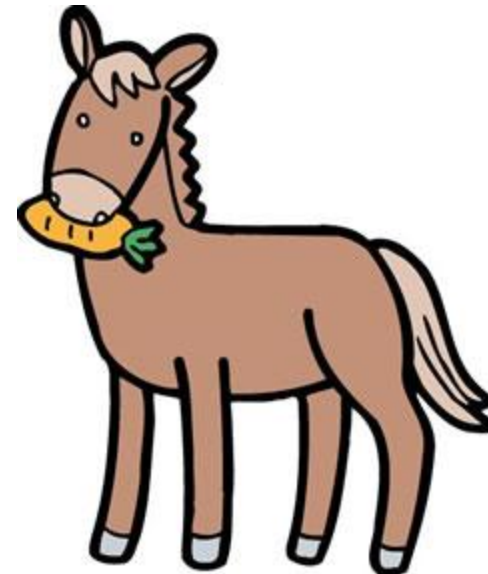
DDx

- ▶ These are Zebras in this case.
 - neoplasm
 - Trauma
 - Metabolic
 - Toxin
 - Drug
 - Autoimmune



DDx–infectious causes

- ▶ Influenza virus infection
- ▶ CAP (Community acquired pneumonia)
 - ▶ Streptococcus pneumoniae
 - ▶ Mycoplasma pneumoniae
 - ▶ H. influenzae
 - ▶ Chlamydia
 - ▶ Legionella
- ▶ Acute bronchitis
- ▶ TB
- ▶ Coxsackie B virus
- ▶ Acute HIV infection



Back to the case

- ▶ Intravenous vancomycin and ceftriaxone were administered, and levofloxacin was added later.
- ▶ Was intubated 8 hours after administration.
- ▶ In spite of intensive care and aggressive fluid resuscitation, his BP went down to 82/55mmHg 28 hours after administration.
- ▶ Thirty-one hours after presentation, bradycardia developed, followed rapidly by asystole, and cardio-pulmonary resuscitation was initiated.
- ▶ The patient was pronounced dead 32 hours after arrival in the emergency room

Back to the case

- ▶ The microbiology laboratory reported the detection of influenza A antigen in a nasal swab after death.

Clinical Dx

- ▶ Influenza A infection with shock, caused by either bacterial superinfection or possibly influenza, complicated by rhabdomyolysis, renal failure possibly due to rhabdomyolysis, and DIC.

Anatomical Dx

- ▶ Influenza A infection
- ▶ rhabdomyolysis
- ▶ Myoglobinuria
- ▶ viral tracheobronchitis and pneumonia
- ▶ virus-associated cardiac changes and pericardial effusion.
- ▶ DIC
- ▶ Hepatic centrilobular necrosis.
- ▶ Cardiac hypertrophy of unknown cause.