Case #:57
Congenital Liver Disease in a Foal

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2-day-old, Female, Tennessee Walking Horse
Other Findings

- Sepsis (*Streptococcus equi* ssp. *zooepidemicus*)
- Marked pulmonary edema
- Alzheimer type II astrocytosis
- Neuronal necrosis
Differential Diagnosis

- Congestive heart failure
- Chronic exposure to hepatotoxins
- Copper poisoning
- Mesenchymal hamartoma
- Congenital hepatic fibrosis
Congenital Hepatic Fibrosis in People

- Autosomal recessive inherited ductal plate malformation
- Periportal fibrosis
- Irregularly shaped proliferating bile ducts
- Commonly diagnosed in childhood or early adulthood
- Pure/isolated congenital hepatic fibrosis is rare
- Frequently occurs in conjunction with portal hypertension and renal cystic disease
Congenital Hepatic Fibrosis in Veterinary Species

- Dogs
- Cats
- Horses
- Cattle
- African Green Monkey
- Pure congenital hepatic fibrosis more common in veterinary species

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Congenital Hepatic Fibrosis in Swiss Freiberger Foals

- Age of onset from 1 to 12 months
- Autosomal recessive pattern of inheritance
- Hepatic lesions were similar to reports in people
- Hepatic encephalopathy common
- One animal had enlarged kidneys and microscopic cysts
Questions?

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References


