W15-179

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Case History

- Adult, male, white-tailed deer
- Harvested in Arkansas
- Abnormal liver noted during field dressing
- Samples of fresh liver submitted to SCWDS for evaluation
Hepatocellular Antigen Immunohistochemistry
Other features

Necrosis and Mineralization

EMH

Vascular invasion
Hepatocellular carcinoma (adenoid)

- Previous reports in white-tailed deer  
  - Placke et al. 1982
    - Captive buck in NY, free-ranging buck from NJ

- Roe deer in Kielder Forest in England  
  - De Jong et al. 2004
    - High prevalence of hepatocellular carcinoma
    - Linked to potential carcinogens in spruce trees

- Aflatoxin exposure?  
  - Quist et al. 1997
    - Associated with hepatocellular carcinoma in people, rats, trout
    - 8 wk feeding trial in WTD
      - Mild hepatocellular degeneration, no neoplasia

- Viral?
Bonus!

- Larval cestode “Cysticercus”
- Tegument
- Parenchymatous body
- Calcareous corpuscles
- Scolex with hooks

- *Taenia hydatigena*
References


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- Histotechnicians at UGA