River otter

Case 75
Slide T10-23007

Marcia RS Ilha, DVM, MSc, DACVP
Assistant Professor – VDIL Tifton, UGA

Permission granted only for viewing on SEVPAC website
Signalment and History

17-year-old, male river otter (African spotneck)
Found dead at conservation center
Gross findings

Regular nutritional condition
Tartar deposition
Bilateral adrenocortical nodular hyperplasia
Bilateral testicular mineralization
Nasal mucous discharge

Permission granted only for viewing on SEVPAC website
Gross diagnoses

Suppurative pleuropneumonia
Dilated cardiomyopathy
Chronic hepatic congestion
Laboratory findings

Anaerobic culture

*Fusobacterium necrophorum* (lung, lymph node, thoracic cavity)

*Bacteroids* spp. (lung)
Histopathology

Permission granted only for viewing on SEVPAC website
Morphologic diagnosis

Lung: Marked subacute necrotizing suppurative bronchopneumonia with intralesional bacterial colonies and fibrinosuppurative pleuritis
Comments

Respiratory tract disease – one of the main causes of death in river otters

Bacterial pneumonia – mixed bacteria
  *Streptococcus* spp. and *Bordetella* spp.

Canine distemper IHC lung - negative

EM – Lipofuscin Aging
Acknowledgments

Histopathology lab
Dr. Rajeev and Microbiology lab
Dr. Styer and EM lab
Lisa Whittington - IHC
Jason Porter – gross pictures

Permission granted only for viewing on SEVPAC website
Questions