The University of Tennessee
Case No. NE 15-1111

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Signalment and History

- 3 year old female spayed domestic shorthair cat
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- Cat coughed up a hairball, vomited, fell over recumbent
Signalment and History

- 3 year old female spayed domestic shorthair cat
- Cat coughed up a hairball, vomited, fell over recumbent
- Owner believed cat was dead when she placed it in carrier for transport
Normal vs. “Wren”
Morphologic Diagnoses

- Severe chronic eosinophilic and proliferative pulmonary artery endarteritis
- Moderate chronic multifocal bronchiolar and arterial smooth muscle hypertrophy
Clinical Diagnosis for Wren?
Occlusion of the pulmonary arteries from endarteritis led to respiratory failure and death.
Occlusion of the pulmonary arteries from endarteritis led to respiratory failure and death

Anaphylaxis is another possibility
Comments

- Sudden death is a common clinical presentation in cats
Comments

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- Lesser adult worm burden than dogs
Comments

- Sudden death is a common clinical presentation in cats
- Lesser adult worm burden than dogs
- More severe pulmonary arterial reaction
Associated Findings

- Endarteritis
- Thrombosis
- Intimal fibrosis
- Smooth muscle hypertrophy and hyperplasia
Thank You!

- Dr. Linden E. Craig
- Dr. Kim Newkirk
- UTCVM Anatomic Pathology Laboratory Faculty and Staff
Questions?
References


