Czar the Snow Leopard

Nathan Crilly
University of Tennessee CVM
Signalment and History

- 10 y/o intact male snow leopard (*Panthera uncia*)

Image Source: By Trisha Shears from Louisville, Kentucky, United States - SnowLeopard, CC BY-SA 2.0, https://commons.wikimedia.org/w/index.php?curid=4591932
Signalment and History

- 10 y/o intact male snow leopard (*Panthera uncia*)
- Inflammatory Bowel Disease
  – Prednisolone

Image Source: By Trisha Shears from Louisville, Kentucky, United States - SnowLeopard, CC BY-SA 2.0, https://commons.wikimedia.org/w/index.php?curid=4591932
History

• 2/16/2015: Respiratory distress
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  – Bronchointerstitial pattern with pleural effusion
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  – Treatment: Convenia, dexamethasone

Image source: Silke Hecht, UTCVM
History

• 2/18/2015: Respiratory distress worsened
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  - Treatment: Baytril and fluconazole
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  – *Blastomyces* and *Histoplasma* EIA pending
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• 2/20/2015: Died.
Morphological Diagnosis

• Severe acute multifocal pleuropneumonia
Histology

- Type II Pneumocyte hyperplasia
Histology

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Histology

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Histology

• Debris in alveolus
Histology

• Debris in alveolus
Histology

- Tachyzoites
Final Diagnosis

• Pulmonary toxoplasmosis!
  – Second report in a snow leopard

Toxoplasma Titers

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<thead>
<tr>
<th>Date</th>
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<td>Nov. 2013</td>
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Summary

• History of corticosteroid use
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- Unresponsive to antibiotics, antifungals
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• Pleuropneumonia
• Unresponsive to antibiotics, antifungals
• Multifocal lung nodules
• Pneumocyte hyperplasia
• Tachyzoites in fluids, tissues
Acknowledgements:

Dr. Robert Donnell and Dr. Jennie Jankovksy

Dr. Tony Ashley

Dr. Kim Newkirk
Questions?

Toxoplasma gondii

You probably touched cat poo!

References


