Primary Radial Granulomatous Osteomyelitis due to *Halicephalobus gingivalis* in an Argentinian Thoroughbred Horse

Wes Baumgartner
• 12 year old mare
• Lame left fore, 3 weeks
• Weight loss during this time
• 3/5 lameness at a trot
• Distal radius swollen medially
Radiographic interpretation

- Primary bone neoplasm, or possible fungal disease
- Euthanized
H. gingivalis

- A small free living rhabditoid nematode
- Characteristic pharynx-corpus, isthmus, bulb
- Rare parasite of horses
- Wide geographical range
- Wide environmental range
- Parthenogenetic
H. gingivalis

- CNS, kidney, mouth/nose- rarely bone
- Multiple infection routes
- Local or disseminated infection
- Hematogenous spread- vasculitis
- Granulomatous inflammation with large numbers of parasites
• Primary radial osteomyelitis- first report
• A rare cause of lameness


Acknowledgments

- Cathy Mochal
- Michael Thomas