Atypical Furunculosis in a Dog

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Signalment and History

- 8 month old Hound mix
- Ulcerative and draining lesions
- Right hind and Left front legs
- 1 month duration
- Minimal response to antibiotics
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Special stains and Culture

- Bacterial culture negative
- PAS negative
- GMS showed pseudohyphal structures within furunculosis lesions
- Fungal culture – Pythium sp. – presumptive
- DNA sequencing (UT) – Pythium insidiosum
Pythium insidiosum

- Fungus-like aquatic and flagellated oomycete
- Warm stagnant water with organic debris
- Primarily located along Gulf Coast states
- Gastrointestinal is most common form in dogs
- Cutaneous forms considered rare in the dog
- “Summer sores” in Horses
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