Case W17-225

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History and Signalment

- Adult, male Key deer (*Odocoileus virginianus clavium*)
- Euthanized by gun shot by wildlife agency personnel.

Photos: Mark Cunningham

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• **Morphologic diagnosis:**
  Skin: Dermatitis, panniculitis, and myositis, necrotizing, eosinophilic, pyogranulomatous, chronic, severe, focally extensive, with intralesional arthropod larvae and secondary bacterial colonies

• **Etiology:** New world screwworm (*Cochliomyia hominivorax*)

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Who you gonna call?
1-800-HELP-FLA (1-800-435-7352) or non-Florida residents should call (850) 410-3800]
Discussion

- Potential hosts: All warm-blooded animals (anecdotal reports of reptiles in endemic regions)
- Disease manifestations: extensive tissue trauma, secondary bacterial infections, severe debilitation, ruminal perforation and umbilical lesions in calves, and death in untreated cases.
Life cycle of the New World Screwworm

- 8-12 hours after eggs are laid

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Management

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Questions?

Thank you to the UGA Histology Lab
FWC
USFWS
USDA
SCWDS Member States and Supporting Agencies

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