

# Viral Arthritis/Tenosynovitis

AAAP Slide Study Set

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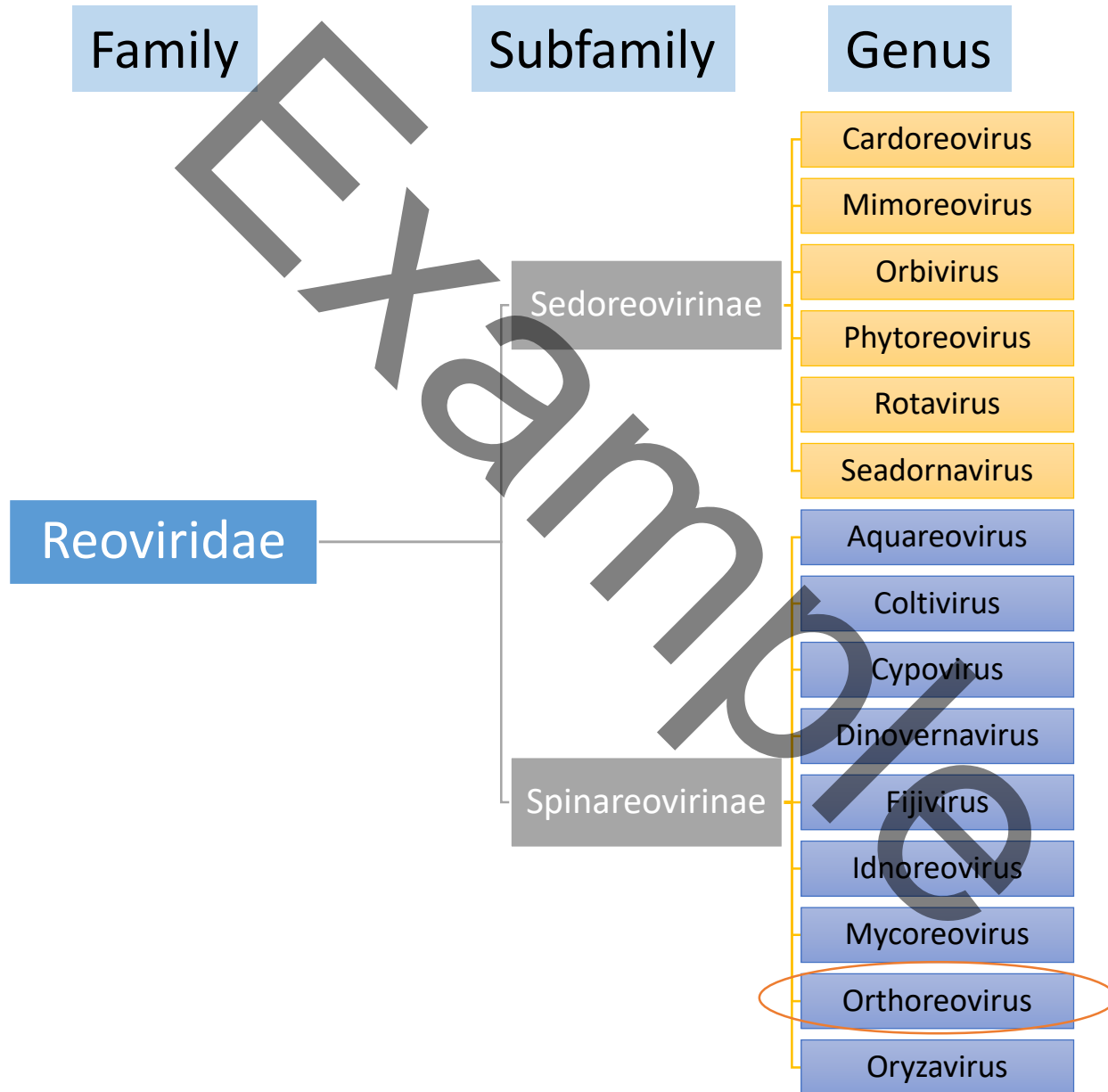
Poultry Diagnostic & Research Center

University of Georgia, Athens, GA, USA

# Reoviruses

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- Name derived from Respiratory Enteric Orphan
- Named “orphan” by Sabin in 1959 because the virus was not connected to any of the diseases it was associated with at the time

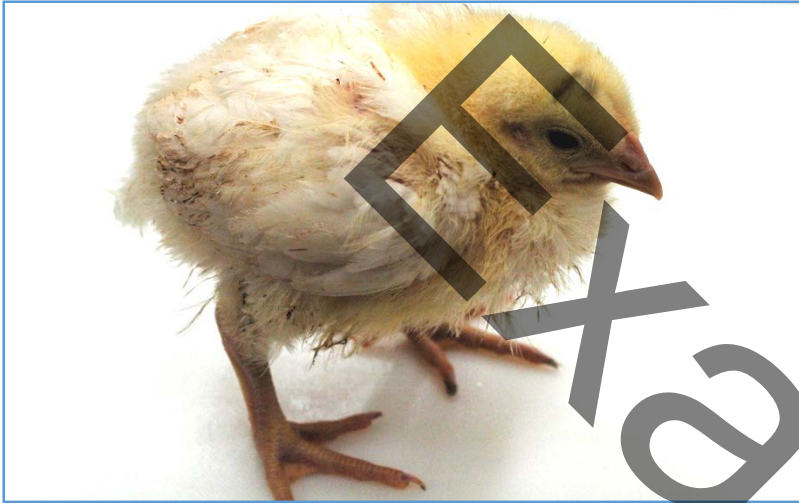


# Physiochemical Properties

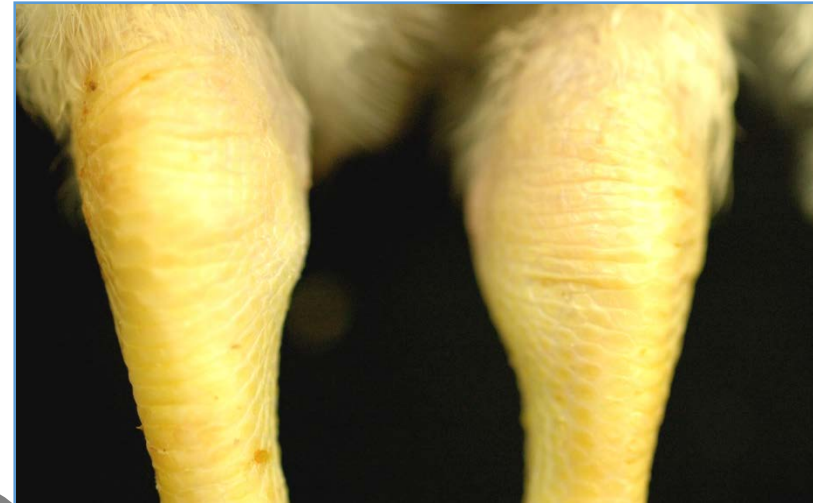
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- Heat resistant
  - 60C for 8-10 hrs
  - 56C for 22-24 hrs
  - 37C for 15-16 wks
- Very stable in poultry house environment
  - Survives for at least 10 days on feathers, wood shavings, egg shells and feed
  - Survives for 10 weeks in drinking water

# Viral Arthritis - Clinical Signs



Stunted Growth



Swollen Hocks



Swollen Hocks

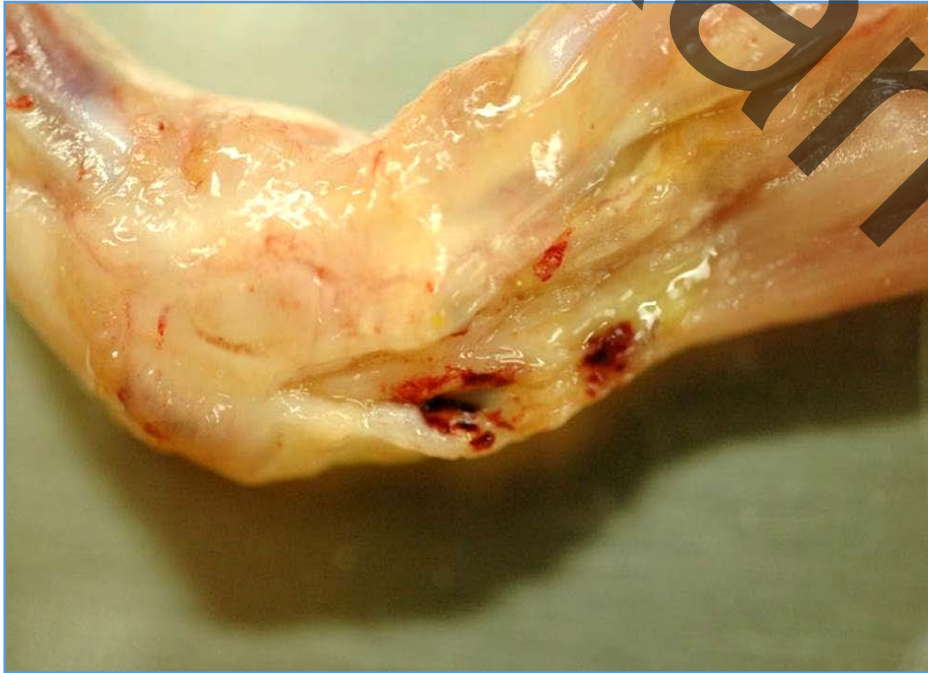


Swollen Hocks

# Tendon Lesions

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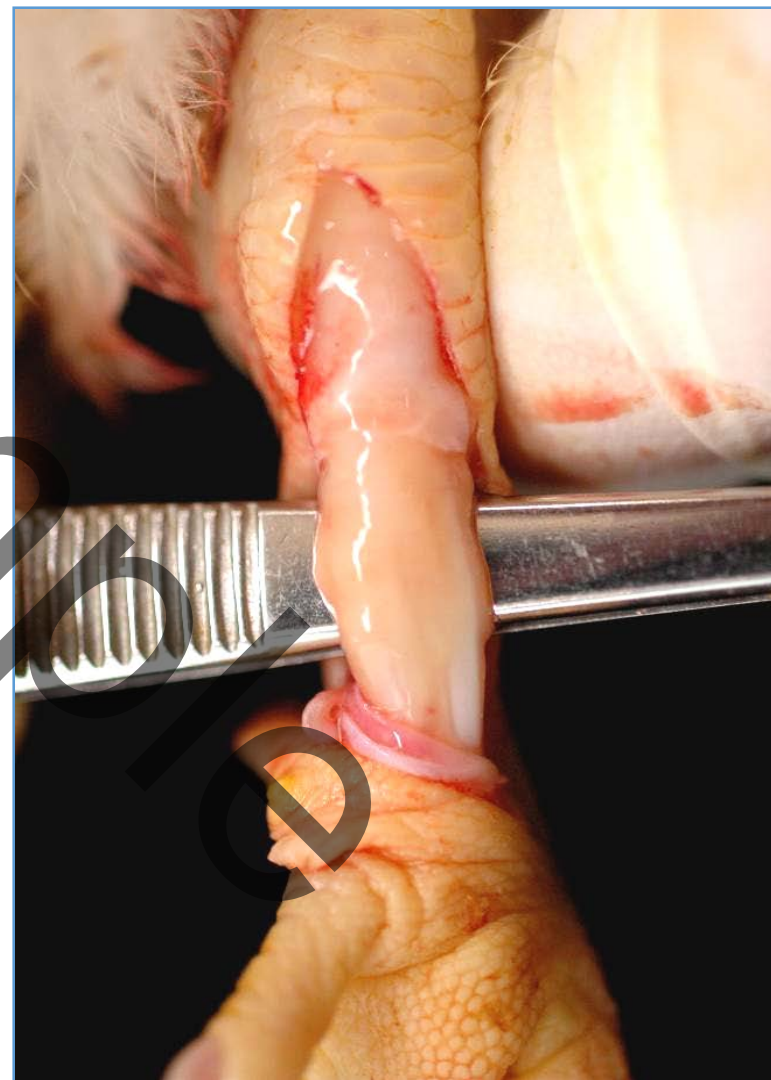
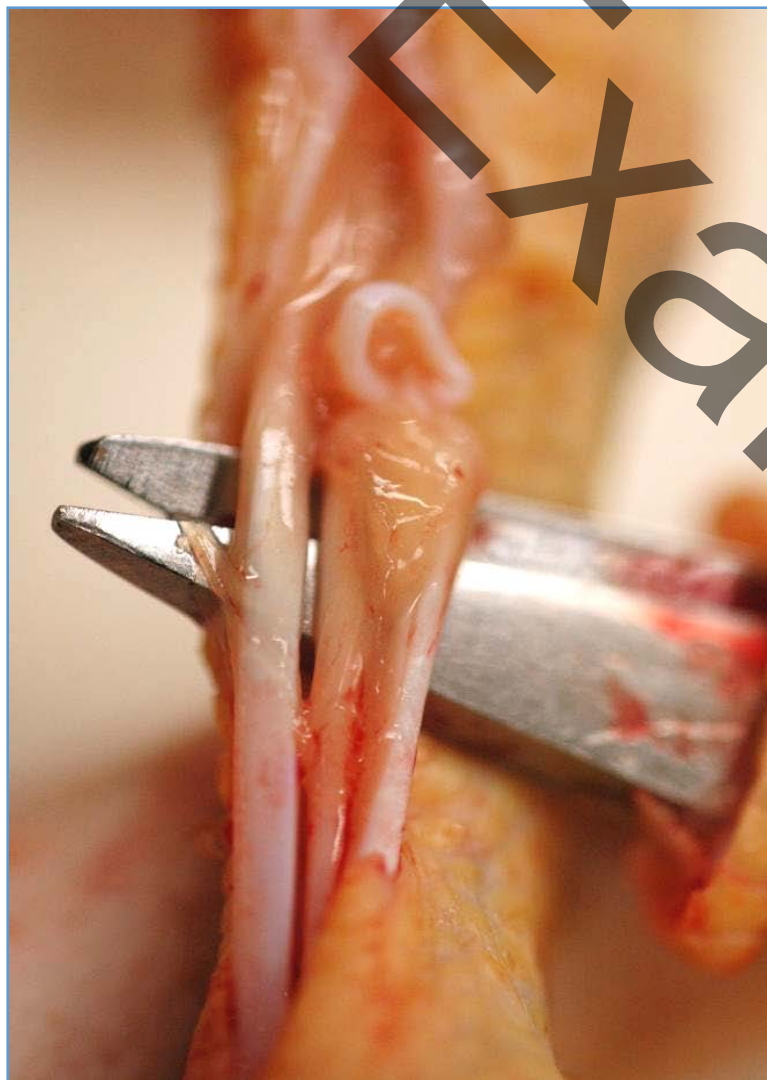
- Severe arthritis
- Severe tendonitis





# Tendonitis

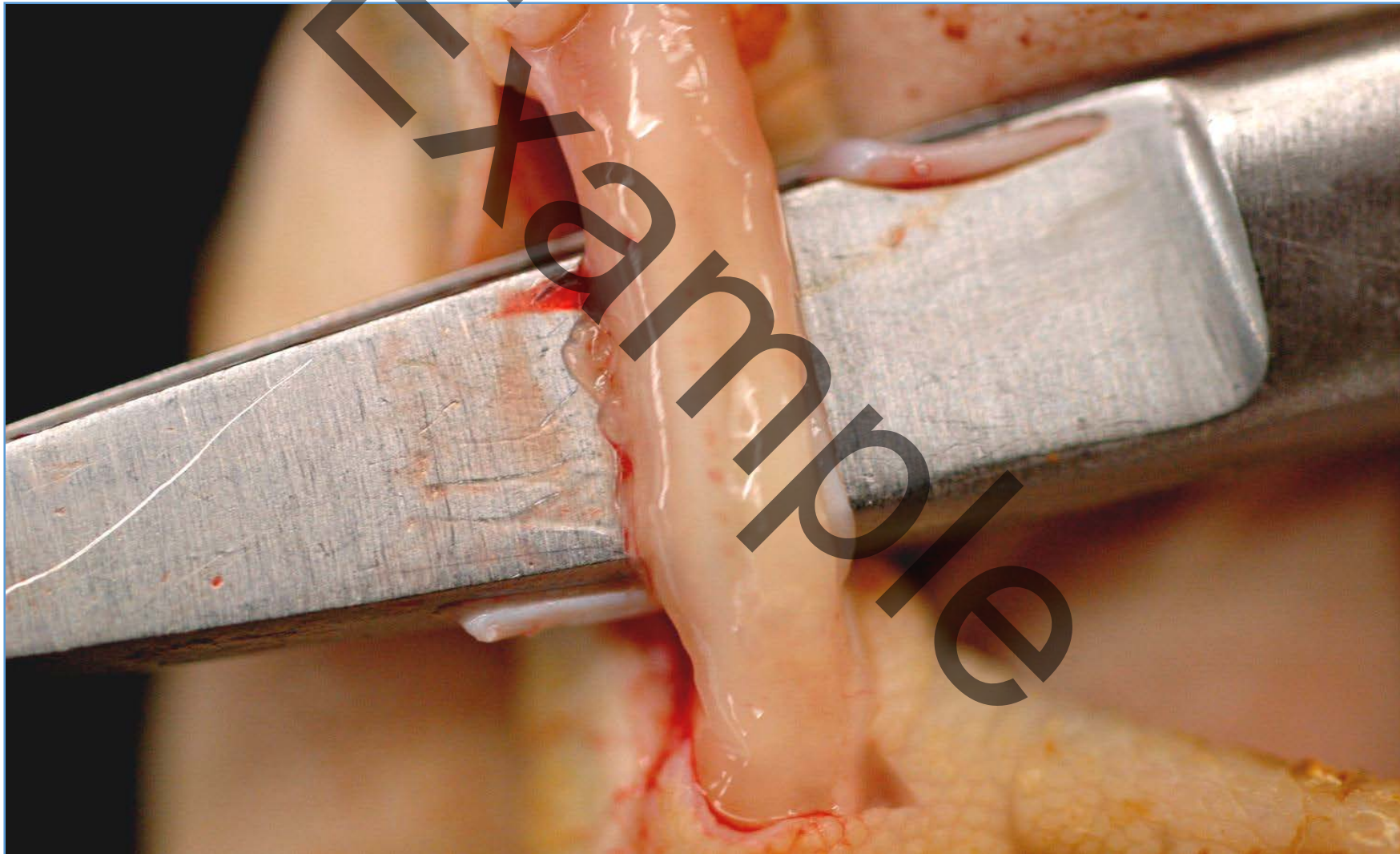
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Images courtesy of Dr. Guillermo Zavala, Avian Health Int'l

# Edematous Tendon w/ Petechial Hemorrhages

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Images courtesy of Dr. Guillermo Zavala, Avian Health Int'l