

## **Toxoplasmosis in a red fox (*Vulpes vulpes*)** a case report

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# Slide seminar

Main topic seminar: Parasitic diseases

## Toxoplasmosis in a red fox (*Vulpes vulpes*), a case report

The 38th Annual Meeting and Symposium,

Nordic Society of Veterinary Pathology.

The Fram Centre, Tromsø, Norway

June 11th – 13th 2014

Tim K. Jensen

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## SLIDE SEMINAR SUBMISSION FORM, NSVP 2014

Slide for

<input checked="" type="checkbox"/>	main topic seminar: parasitic and/or vector-borne diseases
<input type="checkbox"/>	mystery slide seminar

Name of speaker:

Tim K. Jensen

Country:

Denmark

Case No.:

582-1

Species/breed:

Fox (*Vulpes vulpes*)

Sex:

♂

Age:

Adult

History:

The fox was found dead in Jutland in an area with distemper outbreaks.

Macroscopical findings:

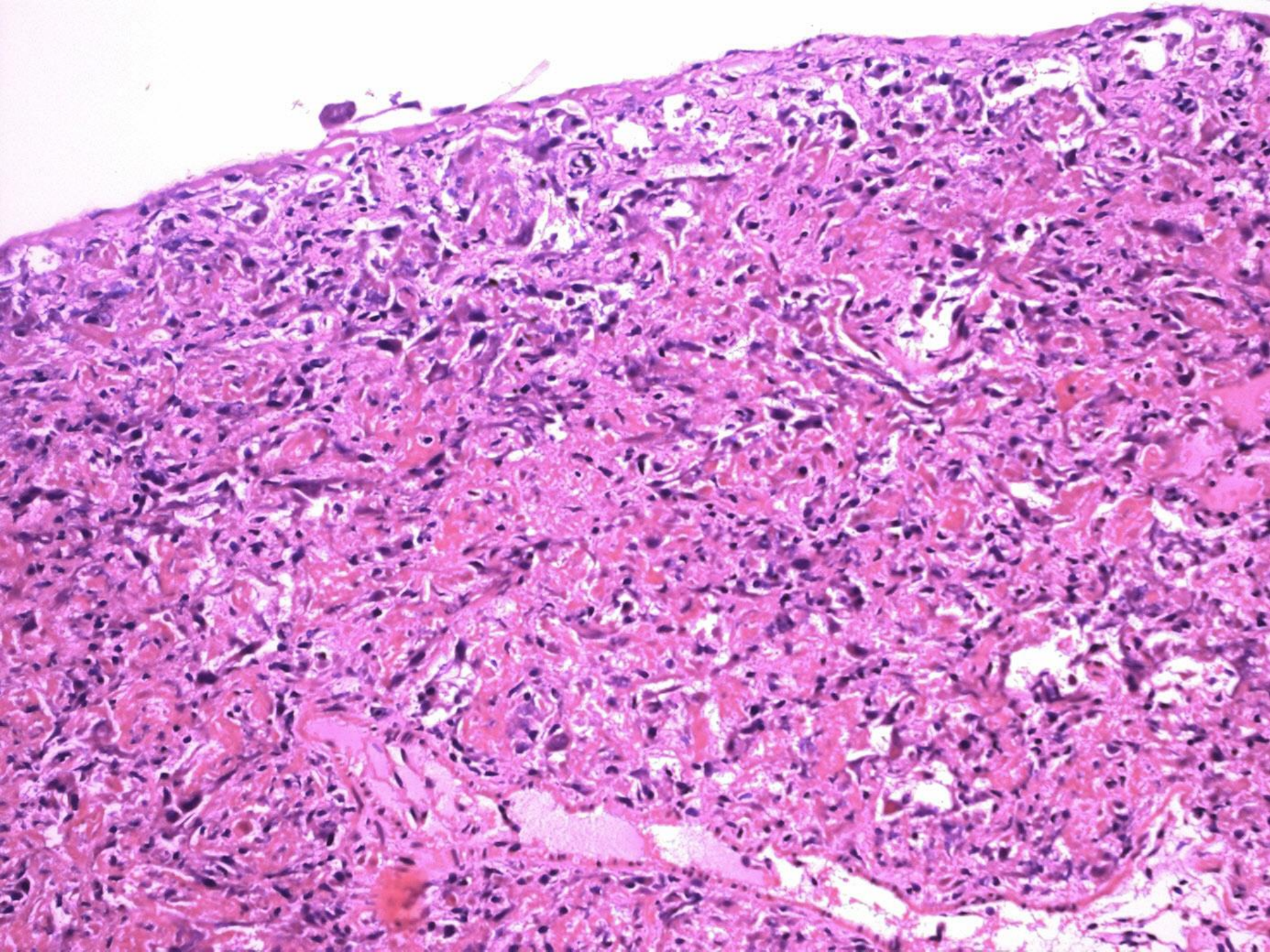
Adult male fox, fine body condition but emaciated, weight 4.9 kg. Dry oculo-nasal mucopurulent exudates.

The lungs were congested with signs of diffuse interstitial pneumonia. No lesions were found in the other organs.

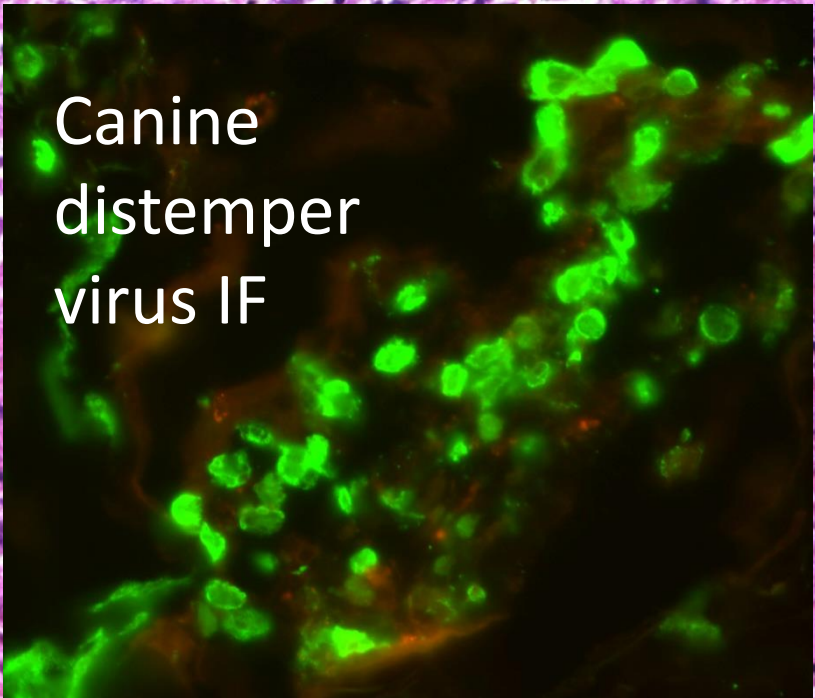
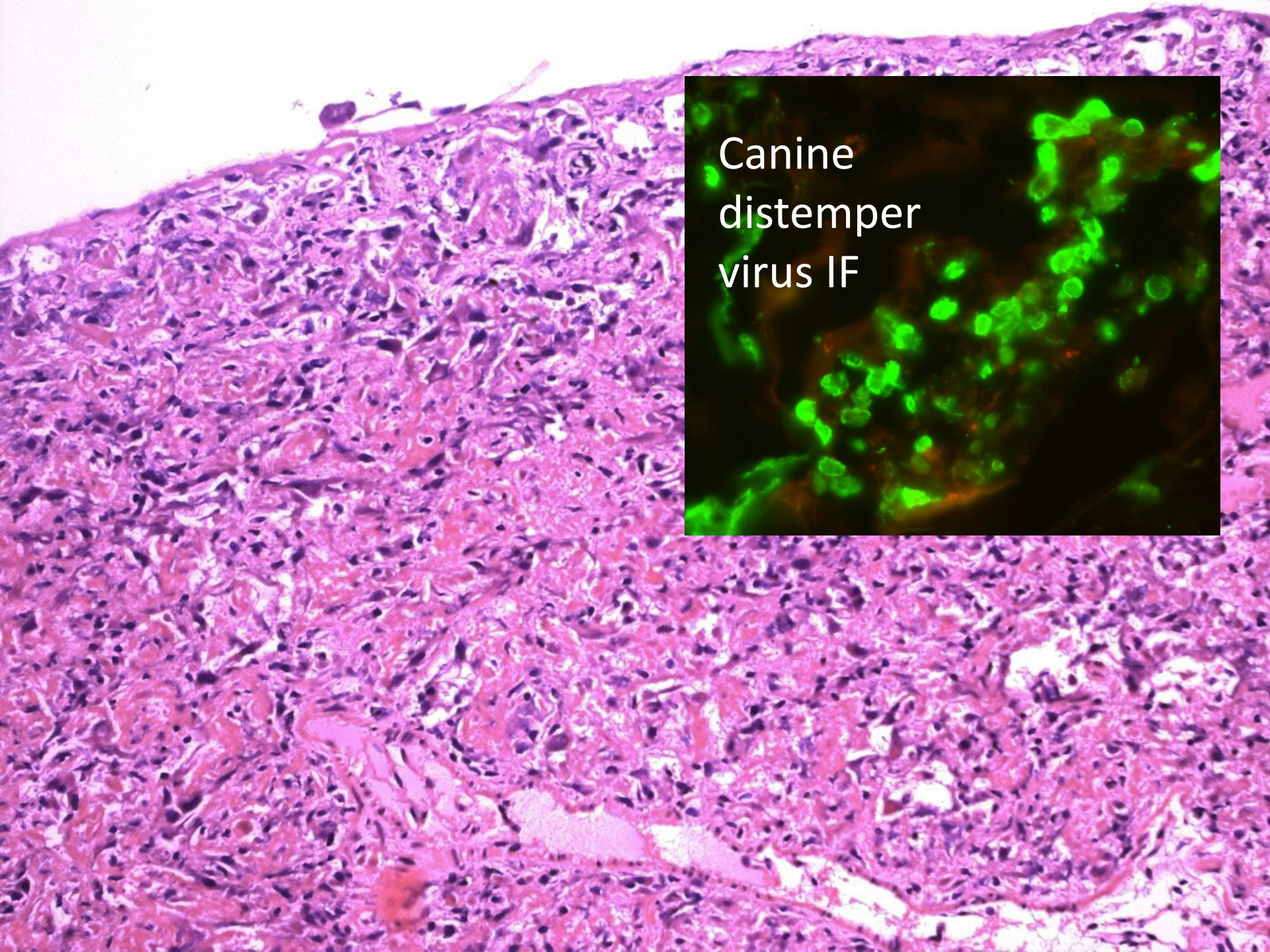
The lung only was sampled for histopathology.

Lung: Pneumonia, diffuse interstitial to severe fibrinonecrotizing and IF positive for distempervirus. In addition numerous intracellular protozoal cysts are found.



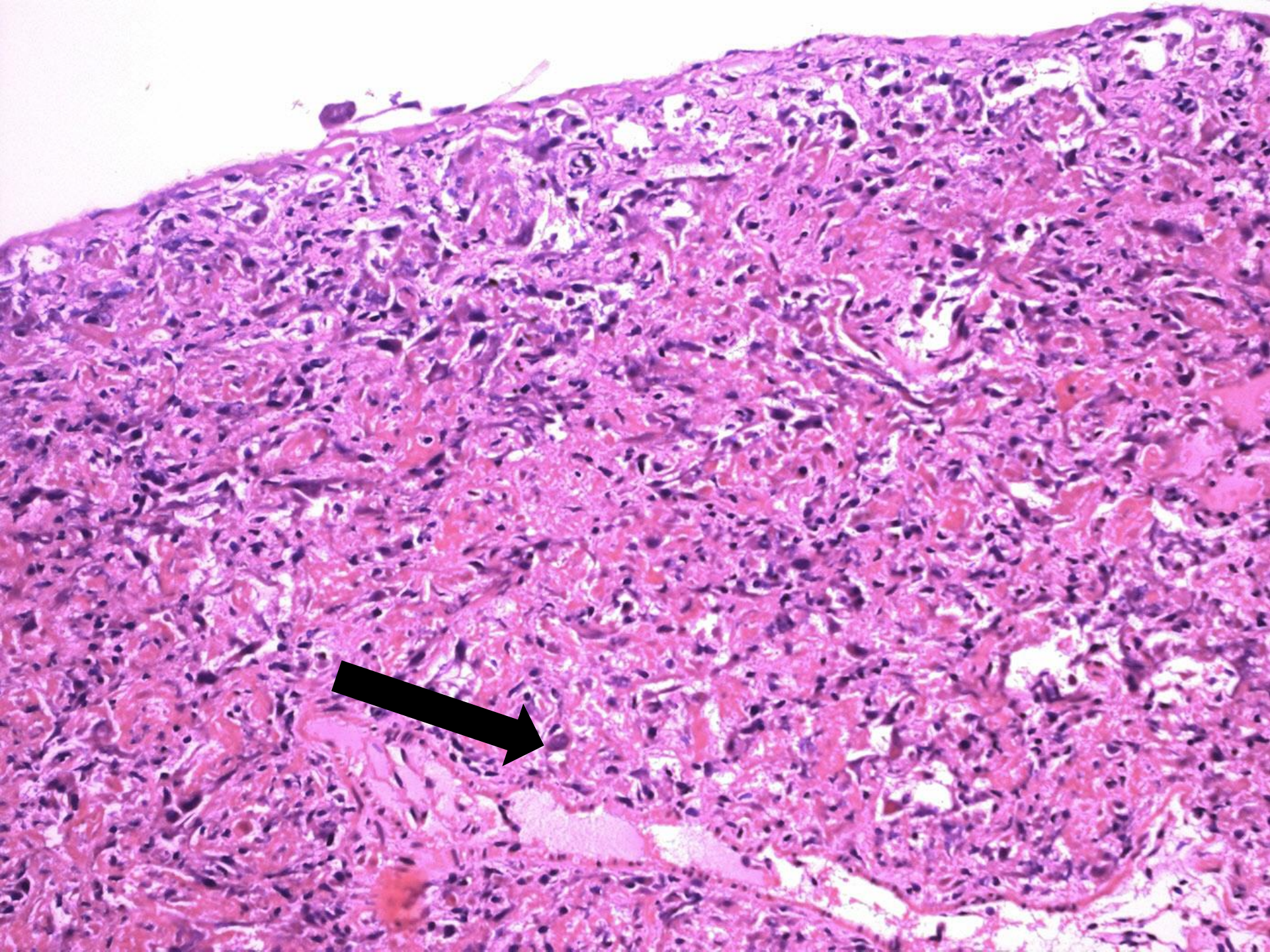




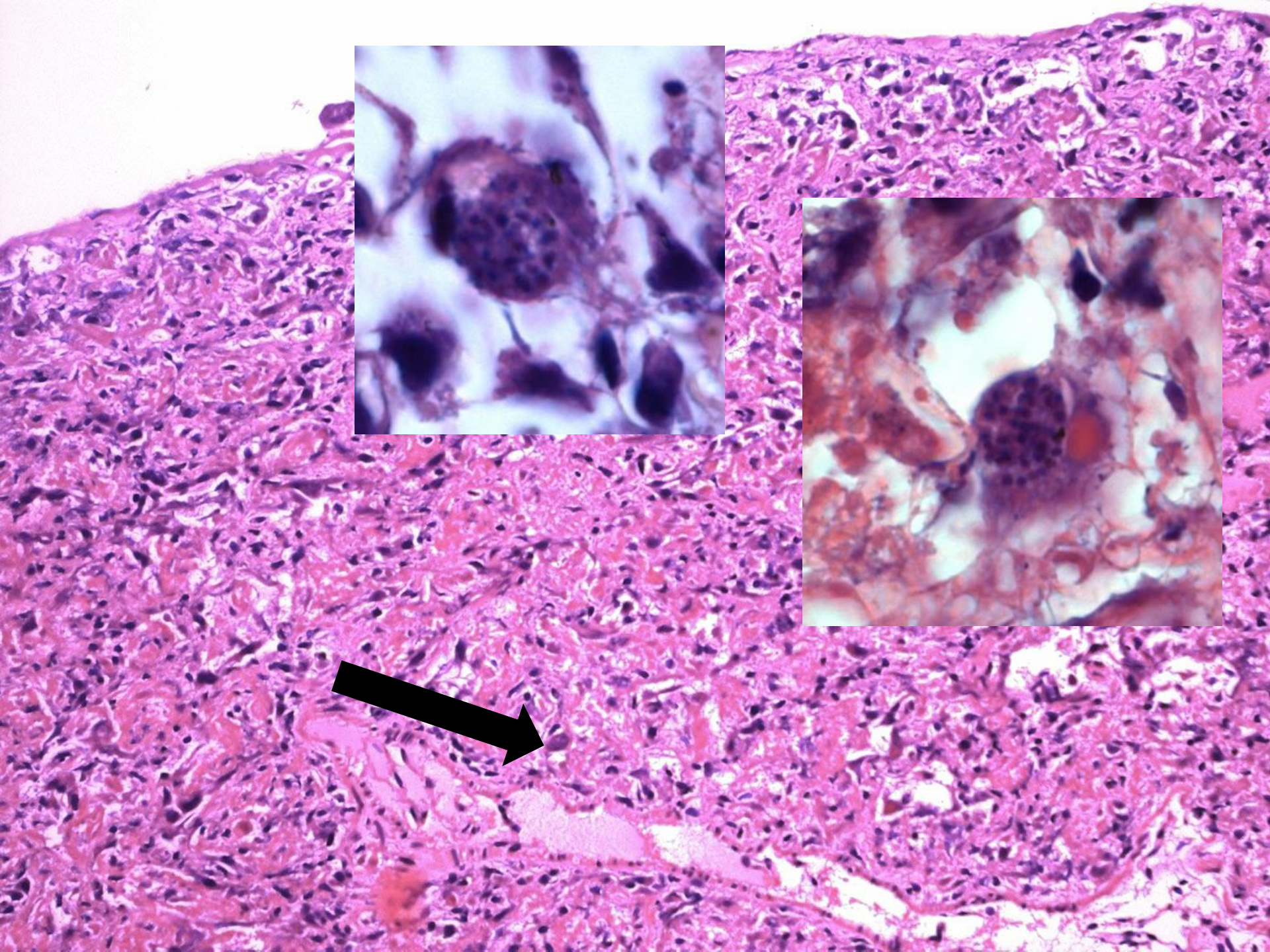


Canine  
distemper  
virus IF



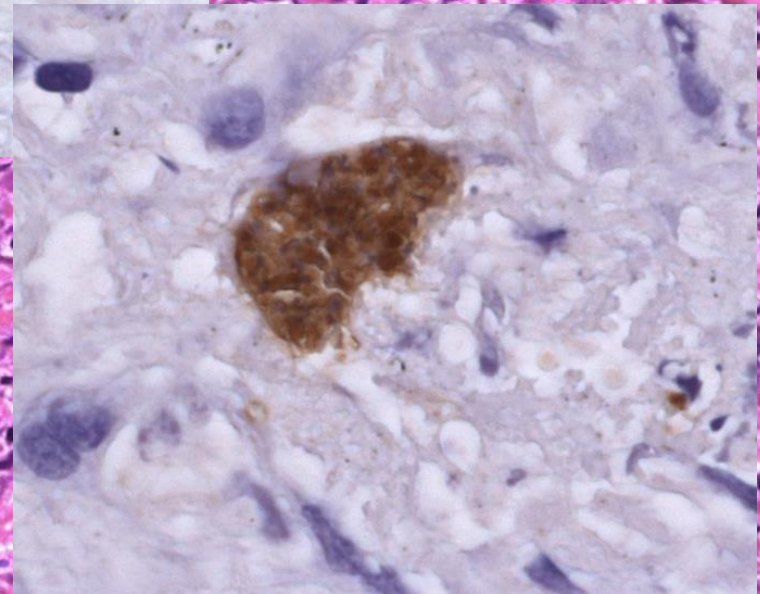
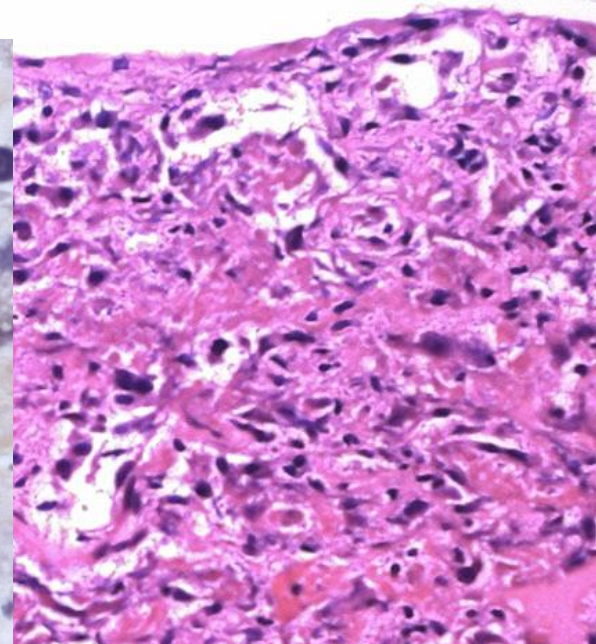
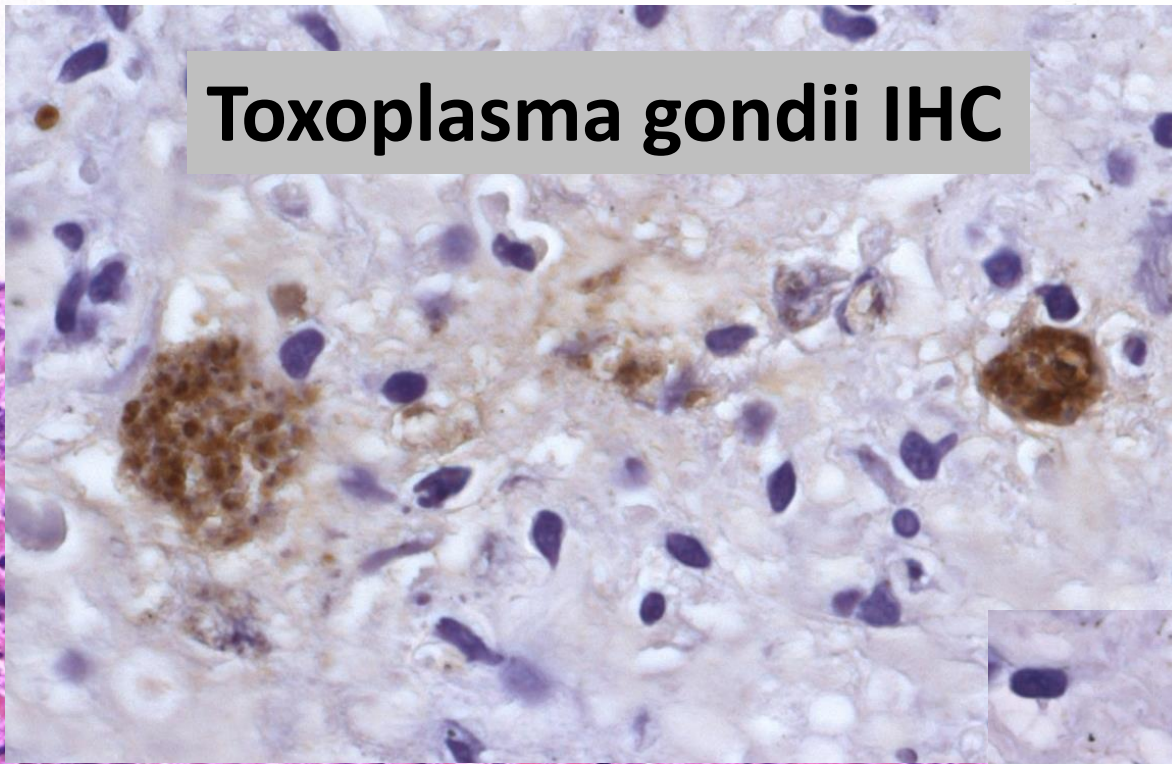




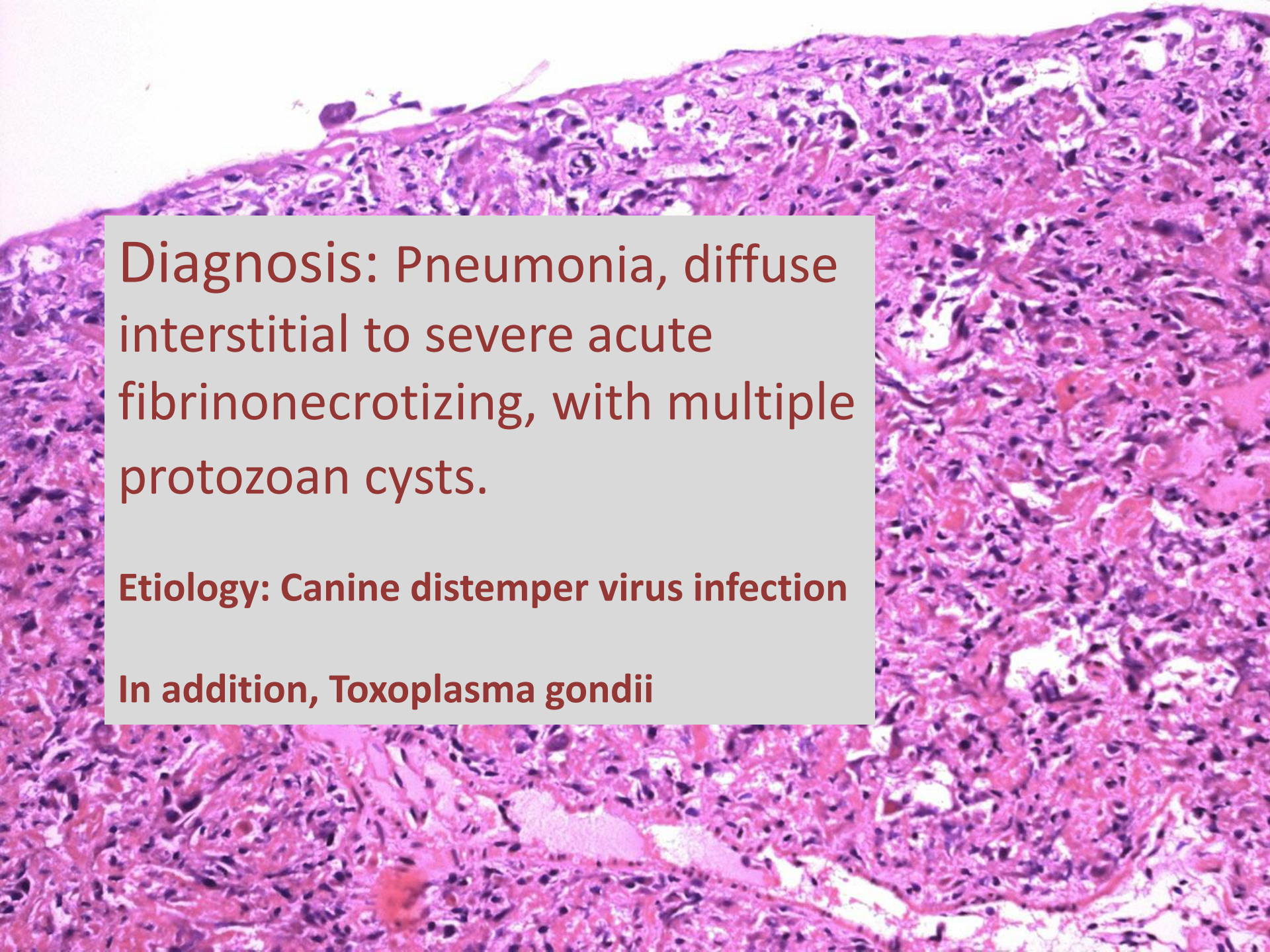




# Toxoplasma gondii IHC







Diagnosis: Pneumonia, diffuse interstitial to severe acute fibrinonecrotizing, with multiple protozoan cysts.

**Etiology: Canine distemper virus infection**

**In addition, *Toxoplasma gondii***



## Diagnosis:

Lab1: Pneumonia, fibronecrotizing, multifocal to coalescing, severe, acute, protozoan cysts (distemper, toxoplasma)

Lab2: Pneumonia, bronchointerstitial and interstitial, necrotizing, multifocal-coalescing, severe, with syncytial cells, intracytoplasmic inclusion bodies, and protozoal organisms (distemper, toxoplasma).

Lab3: Severe, diffuse subacute bronchointerstitial pneumonia, syncytial cells, intracytoplasmic inclusion bodies, and parasitic tissue cysts (distemper, toxoplasma).

Lab4: Pneumonia, interstitial, necrotizing, acute, protozoan organisms (toxoplasma, neospora or leishmania? distemper).

Lab5: Severe diffuse subacute necrotizing interstitial pneumonia, intracellular protozoan cysts (toxoplasma, distemper).