Contributor:	University of Georgia College of Veterinary Medicine, USA		
Signalment:	Adult, peacock, Pavo cristatus, avian		
History:	The birds and others in the same flock had respiratory symptoms with rapid breathing and purulent ocular discharge.		
Gross Pathology:	 Pasty to dry exudate in conjunctiva Upon opening the carcass, the bird was found fair body condition, rough and crusty oropharynx, the crop was empty liver, kidney and lungs were congested 		
Laboratory results:	Positive Gallid herpesvirus-1 in oropharyngeal and tracheal tissues by PCR.		









Contributor's Diagnosis

Trachea and Larynx:Lymphoplasmacyticandheterophilictopyogranulomatoustracheitisandlaryngotracheitiswith syncytial cells and intranuclear inclusion bodies.

JPC Diagnosis

Trachea: Tracheitis, necrotizing and lymphohistiocytic, circumferential, severe with multinucleated viral syncytia and intranuclear eosinophilic viral inclusions.

Contributor's Comment

Infectious laryngotracheitis (ILT)

- Acute, highly contagious respiratory disease
- Gallid herpesvirus-1
- Transmission is via respiratory and ocular route
- Chickens older than 3 weeks of age is more susceptible
- Gross lesions are observed in the larynx and trachea

Contributor's Comment

- Respiratory mucosa shows inflammation and hemorrhagic necrosis (severe form)
- A characteristic feature is intranuclear inclusion bodies in epithelial cells
- Epithelial cells form multinucleated cells (Syncytia)

- Laboratory diagnosis is required for confirm and distinguish from other diseases (IB,ND, AI, Infectious coryza and mycoplasma)
- Vaccine can create latent infected carrier

Conference Comment

Respiratory Tract Infections;

Diseases	Pathogen	Viral Inclusion body	Syncytial cell
IB	Coronavirus	-	-
ND	Paramyxovirus	-	-
Avian influenza	Type A influenza virus	-	-
Metapneumovirus	Metapneumovirus	-	-
Adenovirus	Adenovirus	+	-
Pox	Pox virus	+	-
ILT	Gallid herpesvirus -1	+	+
Infectious coryza	Avibacterium paragallinarium	Bacterial infection	
Mycoplasmosis	Mycoplasma gallisepticum		