



Preparation Technical Report





Blood Coughing .
Infectious Laryngotracheitis, ILT



Figure 1 – Forty week-old chicken naturally infected by GaHV-1 with edematous eyelid and conjunctiva, lacrimation and swelled paranasal sinus.

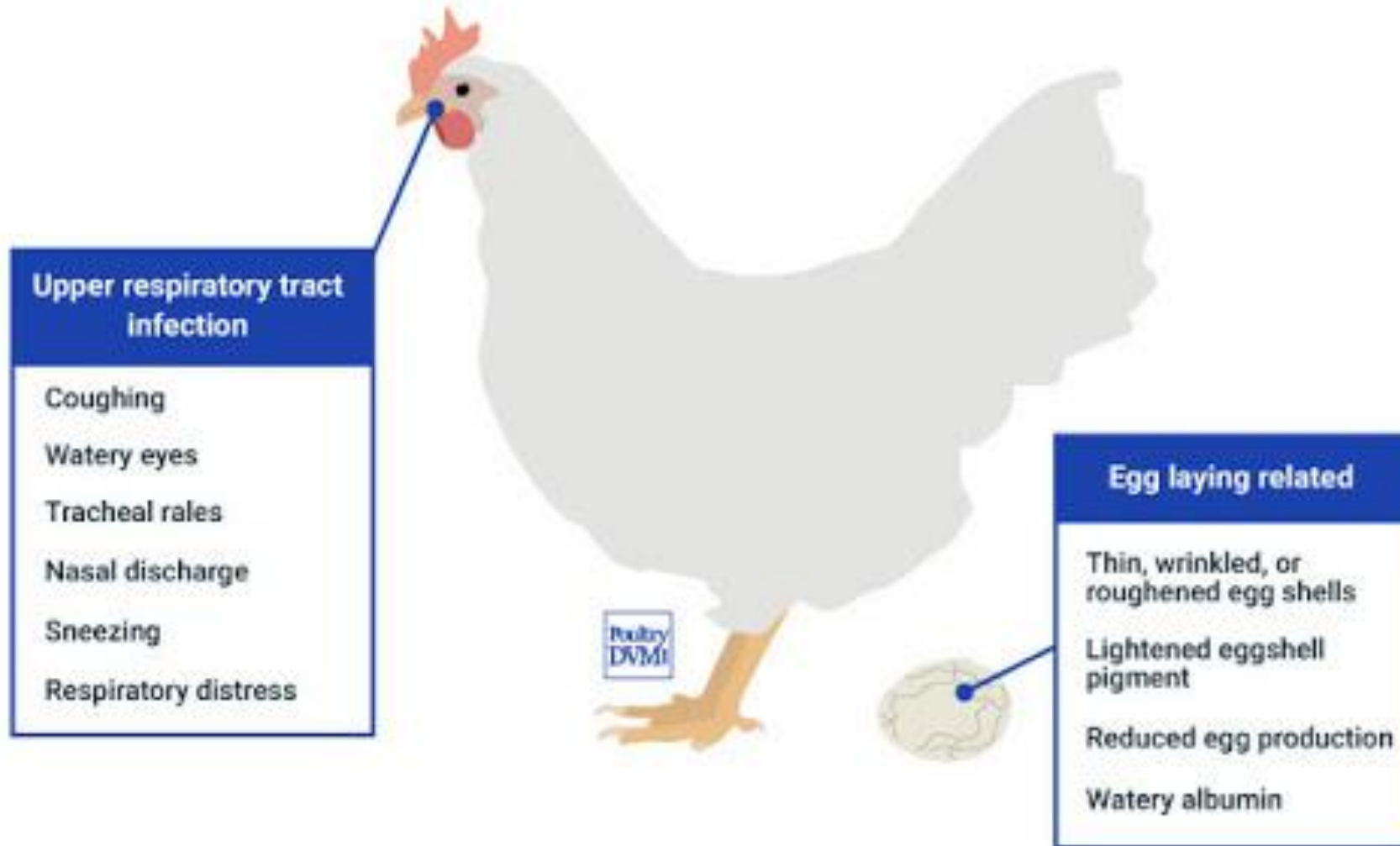


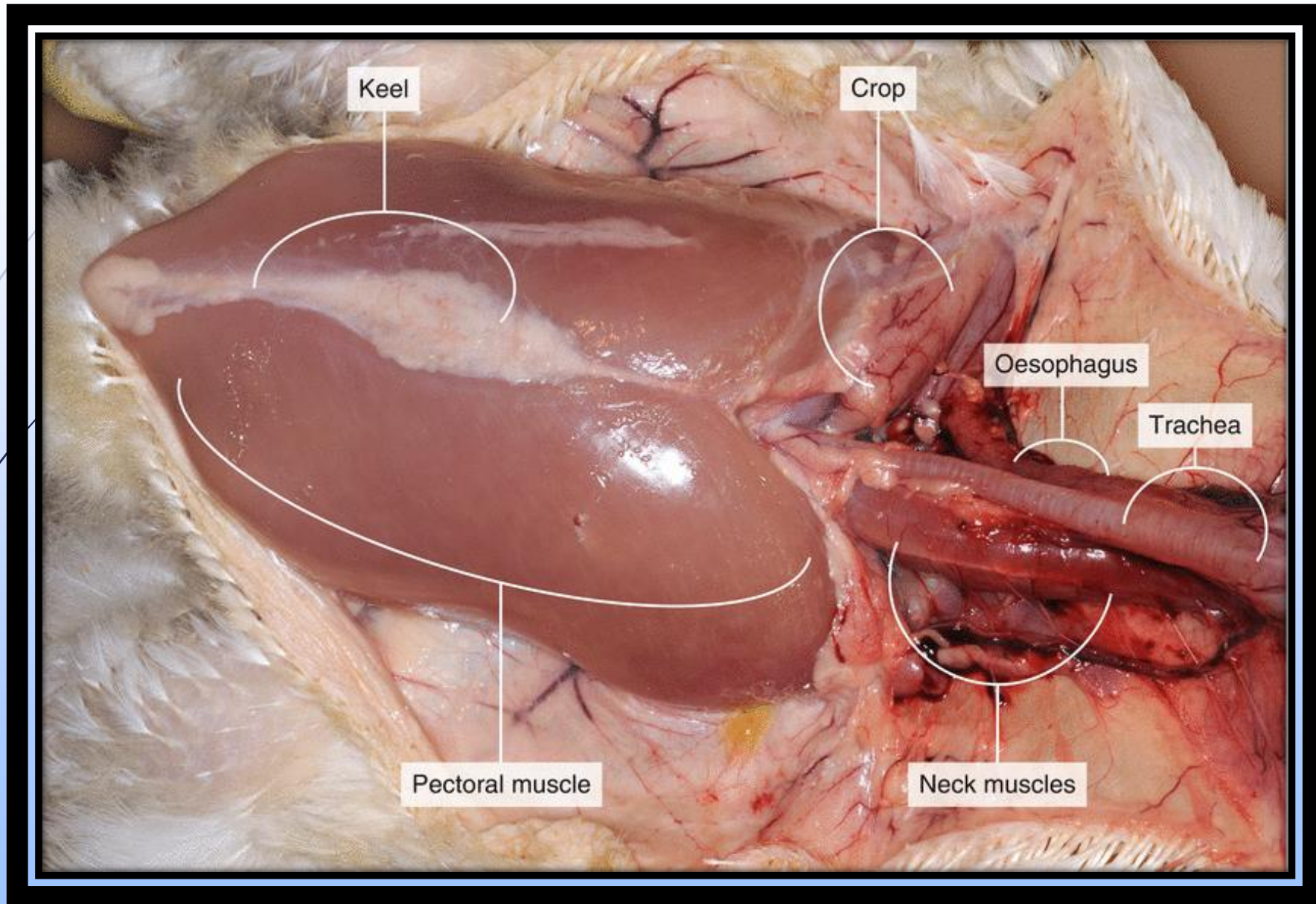
Serous-conjunctivitis-with-abundan-lacrimation-oedema .



Infectious Bronchitis

Symptoms





fieldcasestudy.com
Gumboro

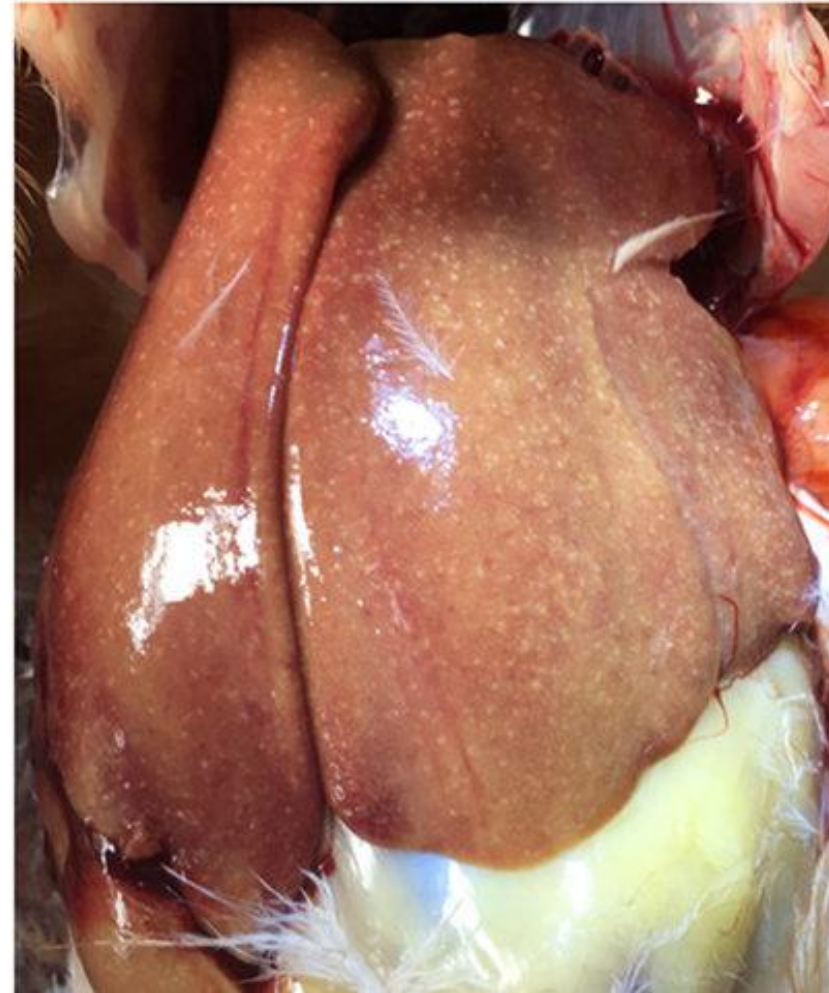




A

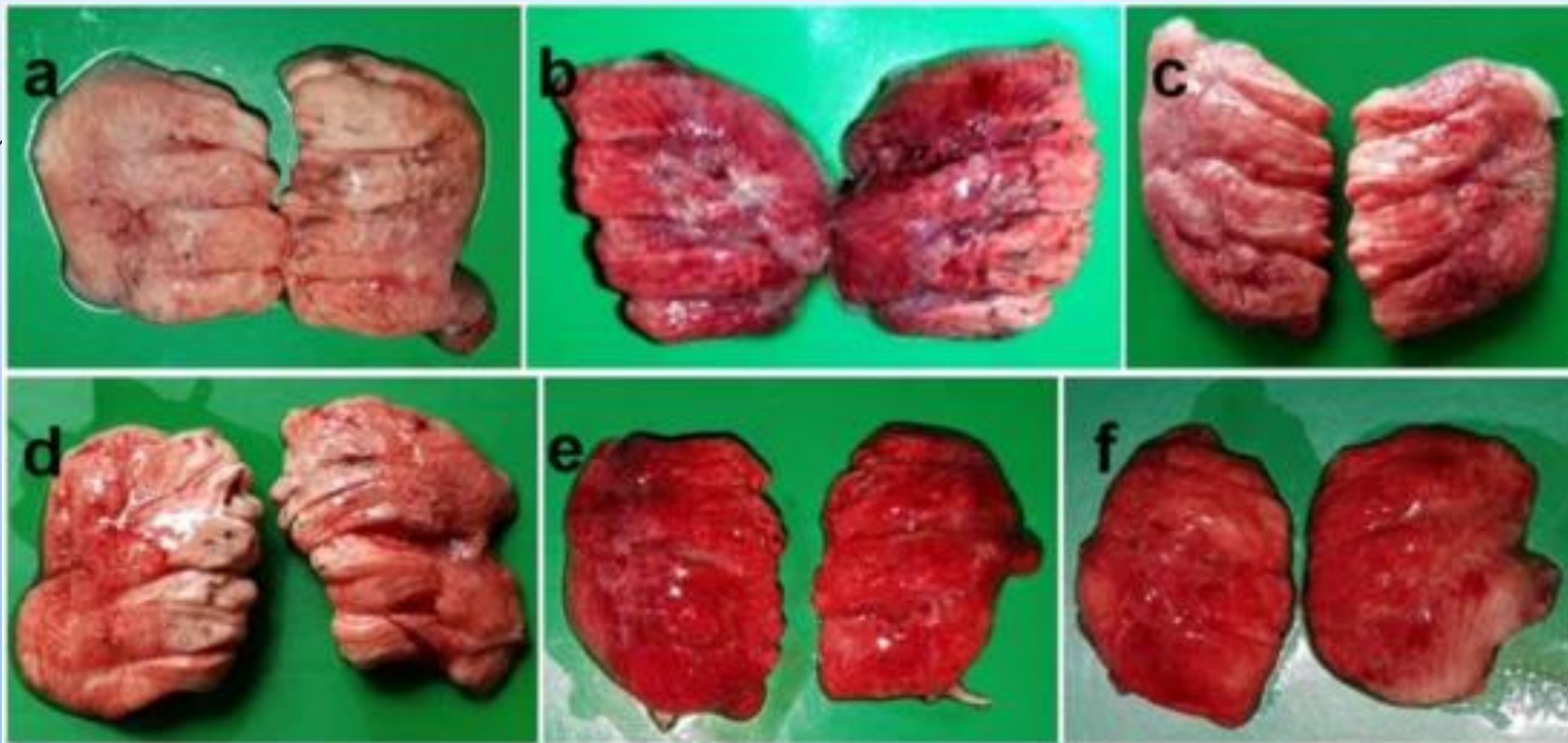


B



A-Severe-multifocal-hepatitis-in-the-liver-of-the-bird-from-Trial-1-that-died

Gross pathological changes in lungs of NDV infected chickens. Lungs of control chickens showing normal appearance (a). Lungs of infected chickens showing congestion, hemorrhage and consolidation with traces of fibrin at 24 hpi (b), gradual paleness and reduction in size of lungs at 2 dpi (c) and 3 dpi (d), and severe congestion, hemorrhage, and gradual shrinking of lungs at 4 dpi (e) and 5 dpi (f).



Gross pathological changes in **cecal tonsils** of NDV infected chickens. Cecal tonsils of control chickens showing normal appearance (a). Cecal tonsils of infected chickens showing ecchymotic hemorrhages at 24 hpi (b), coalescence of ecchymotic hemorrhages to hemorrhagic spot at 2 dpi (c), abundant hemorrhagic spots with increased sizes at 3 dpi (d), thickened, edematous, inflamed cecal tonsils with larger and numerous hemorrhagic spots at 4 dpi (e) and 5 dpi (f).



Proventricular Haemorrhages

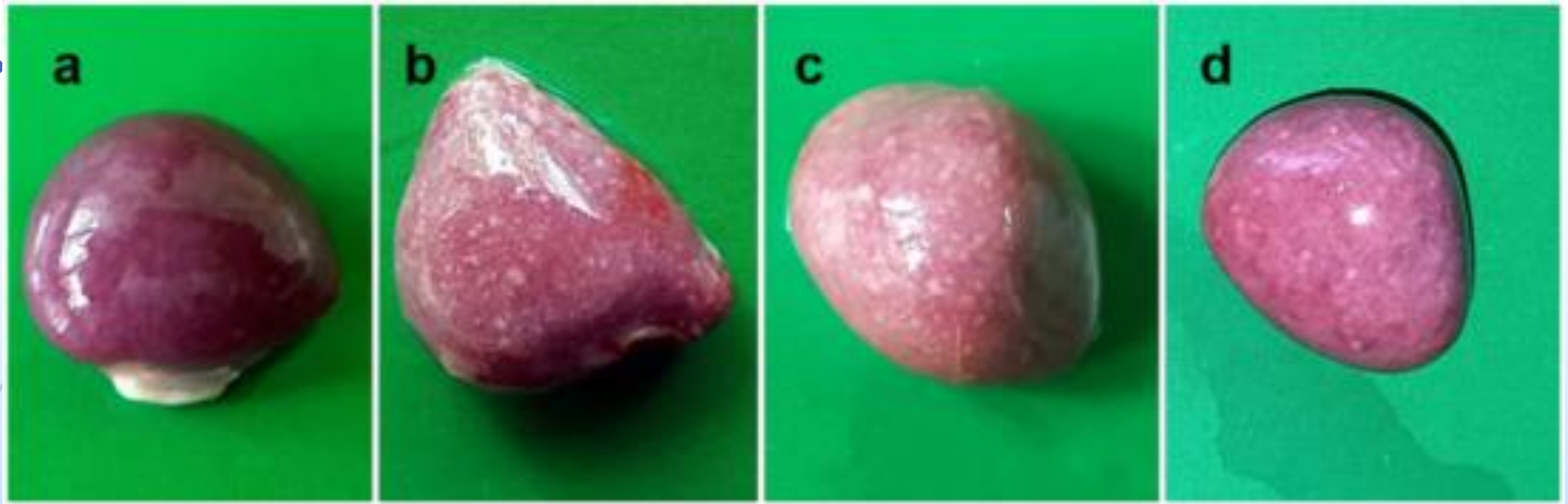




Gross pathological lesions in the proventriculus of chickens infected with NDV. (a) The proventriculus of control chickens showing normal appearance (a). The proventriculus of infected chickens showing several **ecchymotic hemorrhages** on the tip of the proventricular glands at 3 dpi (**b**), edema with increased number of solitary and coalesced ecchymotic hemorrhages on the proventricular glands at 4 dpi (c), and numerous hemorrhagic spots coalesced to form brush paint appearance on the entire mucosa at 5 dpi (d).



Gross pathological lesions in the intestine of chickens infected with NDV showing button-like ulcers characterized by **multiple thickened, edematous and hemorrhagic** gut-associated lymphoid tissues (a). Zoomed photograph of the intestine showing a typical button-like ulcer (b).



Gross pathological lesions in the spleen of NDV infected chickens. The spleen of control chickens showing normal appearance (**a**). Splenic of infected chickens showing **numerous small necrotic foci** at 3 dpi (**b**), **numerous small to larger necrotic foci** at 4 dpi (**c**), and **numerous necrotic foci with atrophy of the organ** at 5 dpi (**d**).



Figure 2 – Larynx and trachea of a 45-week-old chicken naturally infected with GaHV-1. The mucosa is hyperemic and fibrinous exudate covers part of mucosa, characterizing gross ILT lesions.

b

Cecal tonsil



Spleen



Duodenum



Glandular stomach



Encephalomalacia in a chick fed a vitamin E-deficient diet. Selenium supplementation of the diet will not prevent it.



Cerebral inflammation and hemorrhaging caused by vitamin E deficiency.

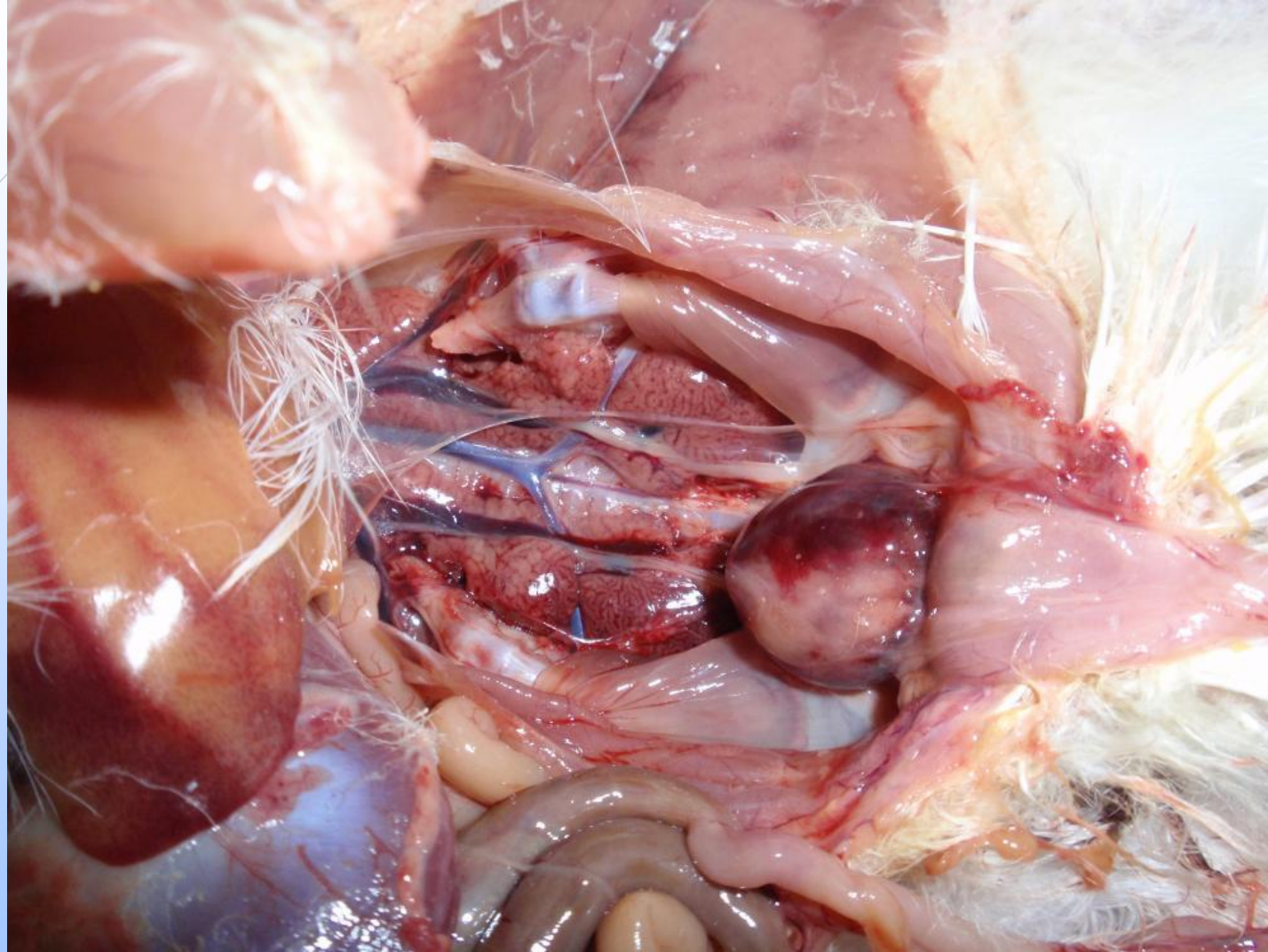


Twenty-one-day-old broiler chicken: Nutritional rickets-A. Note the markedly pliable beak ("rubber jaw") and B. flattened ribs with beaded/enlarged costochondral junctions (arrows).



Infectious Bursal Disease IBD

Disease Overview





1:congesion of internal organs

2: congested liver compared with normal one.

3: two ceci filled with yellowish to greenish or brownish contents with gases.

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