



# ECVP/ESVP Summer School in Veterinary Pathology

## Summer School 2010 – Emerging Infectious Diseases Case 8

### Avian

#### History:

The bird was found dead.

#### Gross Findings:

Crop and distal oesophagus exhibited yellow-whitish plaques covering the mucosa.

**Histology:** Tissue from a greenfinch.

### 1. DESCRIPTION OF HISTOLOGIC FINDINGS

Crop. There is a focal extensive area of haemorrhage and inflammation which extends throughout the entire wall. The inflammatory infiltrate is dominated by heterophils (also accepted: neutrophils) and macrophages. The surface layer is represented by necrotic cells with embedded, in the majority rod-shaped bacteria. Numerous structures reminiscent of protozoa (faintly eosinophilic, slender, spindle shaped, up to 10µm long and 5µm wide, with small round nucleus).

### 2. MORPHOLOGIC DIAGNOSIS

Focal extensive necrosuppurative and haemorrhagic ingluvitis with superficial bacteria and protozoa

### 3. POSSIBLE ETIOLOGY

*Trichomonas gallinae*

*Salmonella sp.*

*Escherichia coli*