



# ECVP/ESVP Summer School in Veterinary Pathology

## Summer School 2010 – Pig Pathology

### Slide 5 – CR-44/08

#### Descriptive key words:

- Lung
- Severe, multifocal to diffuse thickening of the interalveolar walls due to presence of macrophages and lymphocytes/plasma cells
- peribronchial orientation – moderate presence of these cells also within alveoli
- Moderate amount of neutrophils within the lumen of some bronchi, bronchioli and alveoli
- Perivascular and peribronchiolar cuffing (mild hyperplasia of bronchiolar lymphoid tissue, BALT)
- Moderate hyperplasia and hypertrophy of type II pneumocytes
- Occasional presence of multinucleate giant cells
- Infiltration of BALT cells (lymphocytes) of respiratory epithelium (exocytosis)
- Morphological diagnosis:
  - Severe, subacute, diffuse, broncho-interstitial pneumonia with catarrhal-purulent bronchopneumonia
- Most likely etiology/disease: bacteria (*Mycoplasma hyopneumoniae*) / enzootic pneumonia or virus (swine influenza virus) – CPBP of bacterial origin.