



# ECVP/ESVP Summer School in Veterinary Pathology



## Marie Curie Training Courses

### Summer School 2008 – Respiratory Case 8

|   |           |
|---|-----------|
| <b>Description:</b>   | <b>13</b> |
| Generalized Alveolar filling  | 3         |
| Hyalin membrane formation   | 2         |
| Type II hyperplasia and Migratory Repair  | 4         |
| Alveolar Histiocytosis  | 2         |
| Organization and Clarity:<br>Description in context of microscopic anatomy.   | 2         |
| <b>Morphologic Diagnosis:</b>   |           |
| Subacute diffuse histiocytic interstitial pneumonia with hyaline membrane formation   | 3         |
| <b>Pathogenesis:</b>  |           |
| Ingestion of pneumotoxin (rumen metabolism of 3 Methyl Indole) - selective accumulation in lung cells – lipid peroxidation depletes antioxidant reserves killing Type I cells followed by alveolar accumulation of plasma proteins and Type II cell hyperplasia | 4         |