



ECVP/ESVP Summer School in Veterinary Pathology



Marie Curie Training Courses

Summer School 2008 – Gastrointestinal ZH1

	Points
ZH 1, porcine (2 weeks)	20
Organ: Small intestine (0.5), Ileum (0.5)	1
The villi are moderately to severely <u>shortened, club shaped and few are fused</u> . Over the blunt and shortened villi as well as over the fused villi mostly <u>cuboidal surface epithelium</u> can be seen. Sometimes surface epithelium is <u>sloughed and intermingled</u>	2
with <u>coccoid</u> bacteria. Intestinal crypts are mildly to moderately elongated and <u>moderate to large amounts of mitotic figures</u> in the epithelial crypt cells and higher up are visible (<u>regeneration</u>) interpreted as <u>crypt hyperplasia</u> . Multifocally to	2
diffusely <u>moderate amounts of lymphocytes</u> and <u>plasmacells</u> and few neutrophils can be found in the mucosa.	2
Moderate to severe <u>depletion</u> of the lymphoid follicles of the peyer`s patches is present.	1
Diagnosis:	
Moderate, diffuse, subacute <u>enteritis</u> with marked villi <u>shortening and blunting</u> with <u>crypt hyperplasia and regeneration</u> as well as slight <u>depletion</u> of Peyer`s patches	4
Etiology:	
Viral infection (1), most likely Rotavirus (0.5) or Coronavirus (0.5)	2