



# ECVP/ESVP Summer School in Veterinary Pathology



## Marie Curie Training Courses

### Summer School 2008 – Gastrointestinal ZH14

Slide No. ZH14, tissue from a PIG

#### 1. Description of histopathological findings

Small intestine: Villi are shortened, often club shaped (are blunt) and sometimes fused. Crypts are elongated and an increased rate of mitotic figures is present. At the tips of the villi, enterocytes are often cuboidal to flattened and there is multifocal loss of enterocytes (erosions). Within the adjacent lamina propria increased numbers of neutrophils and cellular debris (necrosis) are seen. Enterocytes are often lined by large numbers of small coccoid bacteria.

#### 2. Morphologic diagnosis

moderate, diffuse, subacute erosive enteritis with villus shortening and crypt hyperplasia, presence of coccoid bacteria lining the epithelium

#### 3. Aetiology

viral infection (Rota virus, Corona virus) with concurrent bacterial infection

Marks:

organ: small intestine	1
shortened villi	1
elongated crypts	1
increased mitotic rate	1
enterocytes cuboidal to flattened and loss (erosion)	2
mild inflammation at tip of villi	2
morphologic diagnosis	4
aetiology	2
Style	2