

## Marie Curie Training Courses

### Summer School 2008 – Gastrointestinal UA8

UA 8. Histopathology slide, pig.

Specimen from spiral colon. The mucosa is widened by marked and regular crypt hyperplasia. The surface epithelium is pleomorphic and attenuated and with several small erosions. Extensive mucopurulent exudate, mixed with desquamated epithelium, on surface. Some fibrin exudation may be evident at sites. Capillary engorgement and some multifocal mixed inflammatory cell infiltrates in superficial lamina propria. The tall hyperplastic crypts often display pronounced loss of mature goblet cells, and oligomucinous cells are often prominent. Crypt dilation is often evident, lumina being filled with mucus, and, subjectively, mitotic activity appears increased. There is some presence of *Balantidium coli* organisms.  
(Mucin release and crypt cell changes further visualized with PAS-Alcian blue)

Histopath  
UA8

	Points
Style	2
Identification of tissue (large intestine)	1
Widened mucosa	1
Crypt hyperplasia	2
Attenuated and pleomorphic surface epithelium	1
Erosions	2
Mucopurulent exudate with fibrin	1
Goblet cell loss	2
Crypt lumina dilated and filled with mucus	2
Increased mitoses in crypts	1
Superficial multifocal mixed inflammatory cells in lamina propria	1
<b>Diagnosis: Acute mucopurulent erosive hyperplastic colitis with marked mucus hypersecretion (compatible with swine dysentery)</b>	4
<b>TOTAL</b>	<b>20</b>