



# ECVP/ESVP Summer School in Veterinary Pathology



## Marie Curie Training Courses

### Summer School 2008 – Gastrointestinal ZH10

ZH 10 Equine	Points
	14
<p><u>Small intestine:</u></p> <p>Multifocally in the plexus submucosus and in the plexus myentericus few ganglion cells are <u>shrunken, show a pyknotic basophilic nucleus and highly eosinophilic cytoplasm</u>. Sometimes the <u>nucleus is eccentrically located</u>. Few ganglion cells show centrally condensated cytoplasm (<u>chromatolysis</u>) and in these cells no nucleus is discernible.</p> <p>The villi are slightly shortened and in the mucosa a moderate amount of <u>lymphocytes and plasmacells</u> are visible. In the base of the crypts, cells with prominent eosinophilic secretory granules, mostly in the apical region, can be seen (<u>Paneth cells</u>).</p> <p><b>Diagnosis:</b> Mild, multifocal neuronal degeneration and chromatolysis of ganglion cells (plexus submucosus and plexus myentericus)</p> <p><b>Name the disease:</b> Grass Sickness</p> <p><b>Postulated etiology:</b> Clostridium botulinum neurotoxin</p> <p><b>Name of the disease in cats:</b> Key Gaskell syndrome</p>	<p>1</p> <p>4</p> <p>1</p> <p>2</p> <p>1</p> <p>2</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>