



ECVP/ESVP Summer School in Veterinary Pathology

Summer School 2014 – Gastrointestinal Tract

N14-77-9. An eight year-old dog with profound weight loss and foul-smelling diarrhea

A cross section of intestine with no normal morphology above the muscularis submucosa is examined. The mucosa consists of a polypoid, acinar, epithelial proliferation. Proliferating cells are columnar and pale basophilic with a basally located, large, round or elongate nucleus having vesiculate or finely stippled chromatin with 1-4 magenta nucleoli. Mitoses are 1-5/hpf. The cells proliferate as polyps and complex folded papillae having a fibrovascular stroma lining occasional spaces full of neutrophils or protein. Closer to the muscularis submucosa, goblet cells are numerous and line spaces full of mucin and neutrophils. In all areas, the stroma has a moderate lymphoplasmacytic infiltrate with some neutrophilic –rich zones. Below the muscularis submucosa, tissue is normal except the circular muscle layer is hypertrophied.

MDx: Small intestine: Intestinal polyposis