



ECVP/ESVP Summer School in Veterinary Pathology

Summer School 2014 – Gastrointestinal Tract

N14-375-6A. Incidental cecal finding in a 31 year-old mare with a perforating enterolith.

MDx: Cecum: Extending from a smooth muscle border is a monomorphic population of spindle-shaped neoplastic cells. Large, peripheral zones of hemorrhage are at section margins. The discretely bordered, spindloid, neoplastic cells have clear, pale eosinophilic cytoplasm and an oval or elongate, hyperchromatic, stippled nucleus. Mitoses are rare. Neoplastic cells stream and dovetail in many planes. The mass is subtended by an acellular matrix with a few vessels, some siderocytes and hemorrhage, but little connective tissue. At its base, the cells have infiltrated but do not mix superficially into leiomyocytes. Hemorrhage is prominent as pools of erythrocytes with siderocytes and hematoidin at the periphery circumferentially below the serosa.

MDx: Cecal gastrointestinal stromal tumor