



ECVP/ESVP Summer School in Veterinary Pathology

Summer School 2011 – Female Reproductive Tract

Repro 5: The following sections are three, fresh sections of bovine uterus that represent three different but related processes.

A section of uterus with a cotyledon and intercaruncular endometrium. The caruncular surface has 50% covered by fresh hemorrhage with many neutrophils and fibrin. The remaining caruncular surface has pockets of neutrophils. Approximately 15-25% of deeper interdigitations of caruncular villi have a proliferation of lining epithelium (regeneration). Some pockets of necrotic debris and mineralization. The intercaruncular endometrium is intact but has a minimal to mild neutrophilic infiltrate of the mucosa and submucosa with occasional exocytosing neutrophils and a rarified submucosa (edema).

MDx: Uterus: acute, suppurative endometritis and hemorrhage. Caruncular epithelial necrosis (Post Partum uterus. Note the uterine wound is inflamed and normally has a mild mixed flora. Large numbers of bacteria are not seen.)