



ECVP/ESVP Summer School in Veterinary Pathology

Summer School 2016 – Female Reproductive

Section 5 Cow.

A section has a rim of normal ovarian cortex, but all subjacent tissue is a solid proliferation of neoplastic cells. Neoplastic cells are polygonal to fusiform, often lining up on fibrovascular stromal septae that separate the neoplasm into large packets. Cells have a moderate amount of vesiculate to foamy, grey cytoplasm and have an oval hyperchromic nucleus with a single nucleolus. The mitotic index is $<2/10$ hpf. Often the neoplastic cells palisade around eosinophilic secretion (Call-Exner bodies).

Diagnosis: Granulosa Cell Neoplasm (This was one of identical bilateral granulosa cell neoplasms in this cow).