



ECVP/ESVP Summer School in Veterinary Pathology

Summer School 2010 – Pig Pathology

Slide 3 – CR-3/10

Descriptive key words:

- Kidney (cortex, medulla and pelvis)
- Severe, multifocal to diffuse (interstitial) haemorrhages in cortex, medulla and pelvis
- Occasional foci of mononuclear inflammatory cells (lymphocytes, plasma cells, occasional macrophages)
- Perivascular orientation, lymphocytolysis
 - Severe, multifocal to coalescent renal tubular coagulative necrosis
- Occasional mineralization of necrotic tubuli
 - Dilation of renal tubuli, usually containing casts (hyaline or cellular), with swelling of renal epithelial cells (“degeneration”)
 - Very occasional intravascular disseminated coagulation in glomerular capillaries
- Morphological diagnosis:
 - Severe, acute, multifocal to diffuse, renal tubular necrosis with tubular mineralization and interstitial haemorrhages in cortex, medulla and pelvis; mild, subacute, perivascular interstitial nephritis
- Most likely etiology/disease: virus/toxic (in this particular case is an African swine fever virus infection).