



# ECVP/ESVP Summer School in Veterinary Pathology



## Marie Curie Training Courses

### Summer School 2007 – Cytology Case 9

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#### Case #9 – C1764/03

HORSE

Skin masses (scraping)

#### Cytologic description

The smear is moderately cellular, not well preserved with heavy nuclear streaming, many naked nuclei and abundant basophilic, granular necrotic debris with calcium crystals in the background. There is a mixed population of cells with prevalence (70-75%) of large macrophages, very often multinucleated. There are also neutrophils with some nuclear degeneration (karyolysis) and not evidency of bacterial phagocytosis. Short, irregular, often non-staining fungal hyphae can be occasionally seen in the necrotic background or inside the cytoplasm of macrophages

#### Score

Style	(2 points)
Moderate cellularity	(1 point)
Nuclear streaming	(1 point)
Naked nuclei	(1 point)
Necrotic debris	(1 point)
Calcium crystals	(1 point)
Mixed population	(1 point)
Prevalence of large macrophages	(2 points)
Multinucleation	(1 point)
Neutrophils (nondegenerated/no bacteria)	(3 points)
Fungal hyphae (intra- and extracellular)	(2 points)

#### MD

Multifocal (chronic) piogranulomatous dermatitis with intralesional fungal hyphae	(4 points)
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