ECVP/ESVP Summer School in Veterinary Pathology

Marie Curie Training Courses

Summer School 2008 – Mock Exam Case 1

ECVP MOCK EXAMINATION, JACA, 2008   **HISTOPATHOLOGY**

Slide n°1: Tissue from a Guinea pig

Description:
Haired skin with skeletal muscle: The dermis is focally effaced by a mildly compressive, lobulated, well-demarcated but non encapsulated proliferation of solidly packed, pleomorphic epithelioid cells. This is supported by pre-existing dermal collagen. The cells form nests, packets and occasional short streams. Nests of cells invade adjacent epidermal rete ridges. Individual cells are mostly polygonal with distinct cell borders, moderate to large amounts of amphophilic cytoplasm and large, oval to indented, hypochromatic, finely stippled nuclei, often with multiple large nucleoli. Mitotic figures average 2-3 per HPF (400X) and occasional bizarre forms are noted. There is marked anisokaryosis and anisocytosis. Some nests of pleomorphic cells occupy the lumen of lymphatic vessels at the base of the proliferation. There is extensive epidermal loss (ulceration) and the exposed dermal surface is covered with a thick crust of fibrin, blood, necrotic cells and pleomorphic cells. The intact epidermis is moderately hyperplastic with hypergranulosis and prominent rete ridge formation.

Morphologic diagnosis/diagnoses:
1. Amelanotic (malignant) melanoma with lymphatic invasion
2. Marked, focally extensive epidermal ulceration with hyperplasia, hemorrhage and necrosis

Tissue: skin	1
Dermal proliferation	1
Compressive	1
Well demarcated	1
Non encapsulated	1
Pleomorphic epithelioid/polygonal cells	1
Nests/packets and streams	1
Rete ridge/epidermal invasion by nests of cells	1
Individual cell description (shape, cytoplasm, cell borders	1
Nuclear description (multiple nucleoli, chromatin pattern	1
Anisokaryosis and anisocytosis	1
Mitotic figures (index and abnormal ones)	1
Lymphatic invasion	1
Epidermal ulceration and hyperplasia	1

MD: amelanotic (malignant)
          melanoma
          lymphatic invasion
          epidermal ulceration
	1
	1
	1
	1

Style	2
Total	20