

ECVP/ESVP Summer School in Veterinary Pathology

Summer School 2012 – Mock Exam

Slide nº 5. Tissue from a chicken

Description:

Skin. Expanding the ulcerated epidermis and extending into the deep dermis, there is a non-encapsulated, poorly demarcated, infiltrative and densely cellular neoplasm composed of epithelial cells arranged in ill-defined nests, packets or trabeculae in a pre-existing stroma. Neoplastic cells are large, polygonal in shape, with abundant, fibrillar, basophilic cytoplasm and central, oval and large nuclei with one or two nucleoli. In some areas, degenerating neoplastic cells arrange in concentric layers of brightly eosinophilic material (“keratin pearls”). Anisocytosis and anisokaryosis are moderate and the mitotic index is low. Multifocally, areas of fibrosis and heterophilic infiltrate are observed. The neoplasia extends to the cut borders (in some slides only).

Morphologic diagnosis/es:

Cutaneous squamous cell carcinoma)

Design

2

Tissue : skin

1

Descriptive features:

Neoplastic proliferation (0,5) ulcerating (0,5) the epidermis (0,5) and extending to deep dermis (0,5) 2

Non-encapsulated (0.5), poorly demarcated (0,5), infiltrative (0,5) 1,5

Densely cellular 1

Not extending to cut borders 0,5

Cells arranged in ill-defined nests (0.5), packets (0.5) or trabeculae (0.5) 1,5

In a pre-existing stroma 1

Neoplastic cells

Large (1), polygonal (0.5) in shape 1,5

Abundant (0.5), fibrillar, basophilic cytoplasm (0.5) 1

Central, oval, large nuclei (0.5) with one or two nucleoli (0.5) 1

Anisokaryosis (0.5) and anisocytosis (0.5) 1

Keratin pearls 1,5

Low mitotic index 1

Fibrosis and infiltration for PMNH in the surrounding dermis 0,5

3

Morphologic diagnosis/es:

Cutaneous squamous cell carcinoma

Total

20