



ECVP/ESVP Summer School in Veterinary Pathology



Marie Curie Training Courses

Summer School 2008 – Skeletal Muscle Case 2

Case #2 (D00-020678F) marked case 11 on slides.

Anamnesis: Cat, domestic shorthair, adult.

History: Pulmonary adenocarcinoma

Slide description: This is a section of metatarsal bones exhibiting marked periosteal proliferation of woven bone. Within the marrow cavity of one of the bones there are irregularly shaped and variably sized tubular profiles composed of multiple layers of highly pleomorphic epithelial cells with a high mitotic index. These are accompanied by a fibrous stroma and new bone formation. The cortical bone contains numerous empty osteocyte lacunae (bone necrosis).

Diagnosis:

- 1) Hypertrophic osteopathy
- 2) Bony metastasis of pulmonary adenocarcinoma
- 3) Locally extensive cortical bone necrosis