



ECVP/ESVP Summer School in Veterinary Pathology



Marie Curie Training Courses

Summer School 2004 – Reptile Case 11

Slide 11

Tissue of a snake. Bone (vertebral column)

Morphological diagnosis:

- Extensive proliferative hyperostosis (new bone formation)

Disease:

- Osteitis deformans (“Paget’s disease”)

Key features:

- replacement of normal bone and new bone formation (woven or lamellar)
- irregular cement lines (mosaic pattern)
- bone surfaces lined by osteoblasts and osteoclasts
- marrow adjacent to the bone forming surface is replaced by loose connective tissue
- marginal fibroplasia with osseous metaplasia (? osteoid formation)