

Morpho-Imaging : a veterinary website of anatomy and imaging

Introduction: The Morpho-Imaging website is based on an interactive multi-dimensional presentation of the anatomy and its relevant imaging. Its objective is to teach a practical approach of veterinary anatomy that must be adapted to the clinician work.

Methods: From domestic animals : imaging (Radiography, Magnetic Resonance Imaging, Computed Tomography and Echography) was performed and correspondent dissections (Osteology, Arthrology and Myology) were photographed.

Morpho-Imaging and its content was produced using Adobe programs. It was hosted on the RVC1 multimedia platform and linked to the educational Philips iSite™ Picture Archiving and Communication System (PACS) of the VUB5.

Results: Morpho-Imaging consists of three major components named anatomy, imaging and pathological imaging. The pages are transversally and vertically connected with others, and always surmounted by a navigation bar with drop-down menus (DDM). The first DDM corresponds to the anatomy menu by species, the second and third DDMs correspond to the normal and pathological Imaging respectively.

The Morpho-Imaging website is linked towards to WikiVet1 and the PACS5 by means of URL's.

Conclusion:

The three dimensional viewing of anatomy and pathology is better presented using modern visualization tools and techniques, such as Volume Rendering Technique and Multi Planar Reconstruction. In addition, a real anatomic related atlas of multiple imaging sources is available for the users. Morpho-Imaging is a valuable tool used to challenge the cognitive process during training sessions of veterinary anatomy and imaging.