



# Veterinary Neuroanatomy: A Clinical Approach, 1e

*By Christine E Thomson BVSc(Hons) PhD DipACVIM(Neurol) DipECVN ILTM MRCVS, Caroline Hahn DVM MSc PhD DipECEIM DipECVN MRCVS*

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Veterinary Neuroanatomy: A Clinical Approach is written by veterinary neurologists for anyone with an interest in the functional, applied anatomy and clinical dysfunction of the nervous system in animals, especially when of veterinary significance. It offers a user-friendly approach, providing the principal elements that students and clinicians need to understand and interpret the results of the neurological examination. Clinical cases are used to illustrate key concepts throughout. The book begins with an overview of the anatomical arrangement of the nervous system, basic embryological development, microscopic anatomy and physiology. These introductory chapters are followed by an innovative, hierarchical approach to understanding the overall function of the nervous system. The applied anatomy of posture and movement, including the vestibular system and cerebellum, is comprehensively described and illustrated by examples of both function and dysfunction. The cranial nerves and elimination systems as well as behaviour, arousal and emotion are discussed. The final chapter addresses how to perform and interpret the neurological examination.

Veterinary Neuroanatomy: A Clinical Approach has been prepared by experienced educators with 35 years of combined teaching experience in neuroanatomy. Throughout the book great care is taken to explain key concepts in the most transparent and memorable way whilst minimising jargon. Detailed information for those readers with specific interests in clinical neuroanatomy is included in the text and appendix. As such, it is suitable for veterinary students, practitioners and also readers with a special interest in clinical neuroanatomy.

- Contains nearly 200 clear, conceptual and anatomically precise drawings, photographs of clinical cases and gross anatomical specimens
- Keeps to simple language and focuses on the key concepts
- Unique 'NeuroMaps' outline the location of the functional systems within the nervous system and provide simple, visual aids to understanding and

interpreting the results of the clinical neurological examination

- The anatomical appendix provides 33 high-resolution gross images of the intact and sliced dog brain and detailed histological images of the sectioned sheep brainstem.
- An extensive glossary explains more than 200 neuroanatomical structures and their function.

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## **Editorial Review**

### **Review**

"Recently several good books on veterinary neurology have been published. However, these are essentially clinical accounts with just a brief description of comparative neuroanatomy. This book helps to fill some of the gaps with a good attempt to show the important relationship between neuroanatomy and clinical neurology...Each chapter is illustrated by very helpful coloured line drawings and photographs. Each section is summarised by a table of Key Points which give a helpful summary of the text...This book is reasonably priced and certainly worth purchasing by any veterinarian with a substantial caseload of neurological patients.

### **December 2013, EJCAP**

This is an enjoyable and informative book...I enjoyed reading this book and found it very illuminating on a subject I already feel I know reasonably well... each section contained a fresh perspective or new information that enhanced my understanding of functional neuroanatomy. This combined with the novel approach to the subject, means that I would strongly recommend it to anyone with an interest in the subject, but particularly those who have found the existing teaching or publications difficult to understand."

### **April 2014, Veterinary Record**

## **Users Review**

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