

Book Reviews

Introduction to Animal and Veterinary Anatomy and Physiology (4th edition)

Victoria Aspinall, BVSc, MRCVS,
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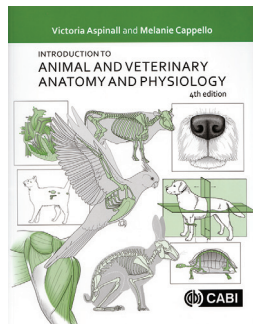
286 pages. 2020. CABI.

ISBN 978-1-78924-115-0. Price \$60.00.

Several introductory textbooks on animal anatomy and physiology are currently available, and each book has strengths and a targeted audience. The fourth edition of *Introduction to Animal and Veterinary Anatomy and Physiology* has been updated and expanded to include information about many species and will be a good investment for students in various fields within the veterinary and animal science communities.

The strengths of this edition include the logical organization and sequence within each chapter and a content summary and overview at the beginning of each chapter. Key vocabulary terms are italicized in the text and accompanied by definitions and clarifications when necessary. Illustrations are clear with appropriately detailed identifications and labels. Photomicrographs and radiographic images are used to complement select illustrations and text on certain topics. Historical perspectives and commentary boxes containing brief and concise information about relevant clinical topics are interspersed throughout each chapter. Diagrams, tables, flow charts, and commentary boxes have gentle, visually appealing coloring. The book concludes with 2 appendices. One is a vocabulary review, and the other contains valuable review questions in multiple-choice and fill-in-the-blank formats, along with the answers to those questions.

Minor issues of past editions, such as typographical errors, have been corrected in this edition. In future editions, the authors should add "the clinical library" to the final sentence of the preface. On page 180, under the skeletal system subsection, reproductive specifics about female guinea pigs should be clarified to include the accepted age at which sows should not be bred because of the risk of dystocia. Also, a commentary box could be included in an appropriate location to briefly explain first-intention and second-intention healing. Second-intention healing is mentioned once (page 222) in context with dehorning cattle but is not well explained for novice readers.



Reviewed by Margaret (Maggie) L. Delano, MS,
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Diseases of Poultry Volumes I and II (14th edition)

David E. Swayne, DVM, PhD, DACVP, DACPV;
Martine Boulianne, DVM, PhD, DACPV;
Catherine M. Logue, PhD; Larry R. McDougald,
PhD; Venugopal Nair, BSc, PhD;
& David L. Suarez, DVM, PhD, DACVM

715 (Volume I) & 1,451 (Volume II) pages. 2020.

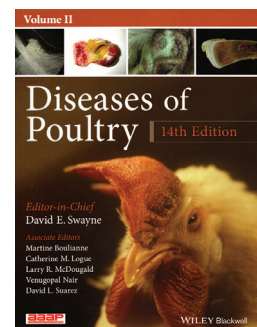
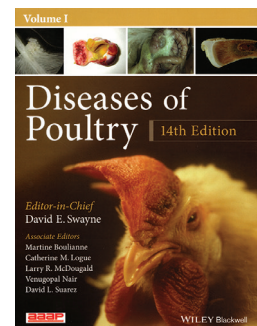
Wiley Blackwell. ISBN 978-1-119-37116-8. Price \$249.99.

The 14th edition of *Diseases of Poultry* is a comprehensive and indispensable reference for poultry diseases. Written by a diverse group of authors from around the world, this edition contains significant updates on poultry diseases of major importance.

Owing to its size, this edition has been divided into 2 separate volumes. The content layout is similar to that of previous editions. Volume I includes information about general concepts of disease prevention, diagnosis, and control; host factors for disease resistance; and viral diseases. Volume II includes information regarding bacterial, fungal, parasitic, and emerging and other non-infectious diseases.

The section on avian influenza has been updated to include information about the 2014-2015 highly pathogenic avian influenza outbreak in the United States. The section on emerging diseases and diseases of complex or unknown etiology has been updated to include modern vexing issues such as white chick syndrome, focal duodenal necrosis of table egg layers, wooden breast, and multicausal enteric and respiratory diseases.

All subjects are well referenced. Although the cost of this book may be more than casual users want to spend, this book is a must-have for poultry professionals, veterinarians and veterinary students with an interest in poultry, and poultry scientists.



Reviewed by Andre Ziegler, DVM, MPVM, MBA,
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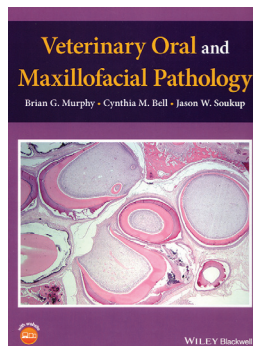
Veterinary Oral and Maxillofacial Pathology

Brian G. Murphy, DVM, PhD, DACVP;
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& Jason W. Soukup, DVM, DAVDC

243 pages. 2020. Wiley Blackwell.
ISBN 978-1-119-22125-8. Price \$149.99.

Veterinary Oral and Maxillofacial Pathology achieves the difficult task of organizing and describing complex and challenging lesions in a concise, clear format. The authors have explicitly taken a holistic approach that encourages sharing of information between clinicians and pathologists, which is essential for correct diagnosis of many types of oral lesions and makes this book a useful resource for both.

The book starts with an eloquently simple but complete overview of normal oral histology and tooth development. Hand-drawn color diagrams in



this chapter and scattered throughout the remainder of the book are unique and informative. The organization of the remaining chapters is logical. Each chapter begins with a short overview describing how the embryology and development of tissues relates to lesion pathogenesis. Color photographs of gross lesions and photomicrographs of histologic lesions are plentiful and of high quality. Many sections also include text boxes that contain lists of differential diagnoses, which will be useful for both clinicians and pathologists. The book concludes with an appendix that describes best practices for processing teeth and bone specimens, which will be an important and helpful resource for histology laboratories.

Although this book is fairly short, compared with many other textbooks, it is packed with useful information that makes it well worth the cost. The companion website provides added value via recorded lectures that describe the histologic diagnosis of various oral lesions. These lectures and the book are not only fun to watch and read but are also incredibly valuable to any pathologist or clinician seeking to improve their knowledge and skills in regard to oral pathology.

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