INTRODUCTION

This reading list is meant to serve as a helpful guide for candidates in learning the topics presented in the ECVDI written board objectives and in preparing the oral examination. Examination questions will be based on the board objectives.

The **titles in bold** are personal recommendations by a few residents who are currently preparing for the examination, or who have just sat the examination. Feedback to the Education Committee about the value of the listed books, or about additional useful books is very welcome.

TEXTBOOKS

Physics of diagnostic imaging

Bushberg JT, Seibert JA, Leidholdt EM, Boone JM. The Essential Physics of Medical Imaging. Williams & Wilkins (3rd Ed), 2012.

Curry TS, Dowdey JE, Murry RC. Christensen's Physics of Radiology. Lea & Febiger (4th Ed), 1990.

Anatomy (including radiographic, US, CT and MRI anatomy)

Pertinent information will be obtained from the standard anatomy texts, namely **Miller's Anatomy of the Dog**; **Dyce, Sack and Wensing's Textbook of Veterinary Anatomy,** and Sisson and Grossman's Anatomy of Domestic Animals. Note should be made of chapters in pertinent textbooks and articles in Vet Radiol Ultrasound and other pertinent journals relating to positioning and postural influences on the radiographs and cross-sectional anatomy.

Small animal:

Coulson A Lewis N. An atlas of interpretative anatomy of the dog and cat. Blackwell Science, 2002.

Thrall D, Robertson I. Atlas of normal radiographic anatomy and anatomic variants in the dog and cat. Elsevier, 2010 (1st Ed) or 2015 (2nd Ed).

Budras K-D, Sack WO, Röck S. Anatomy of the dog. Schlütersche (5th Ed), 2007.

Barone R. Anatomie comparée des Mammifères domestiques. (in French). Paris: Vigot Frères éditeurs.

Large animal:

Denoix JM. The equine distal limb. Manson Publishing, 2000.

Denoix JM. Essentials of clinical anatomy of the equine locomotor system. CRC Press. Taylor & Francis Group, 2019

Budras K-D, Habel RE. Bovine Anatomy: An illustrated text. Schlütersche (2nd Ed), 2011.

Budras K-D, Sack WO, Röck S. Anatomy of the horse. Schlütersche (6th Ed), 2012.

Barone R. Anatomie comparée des Mammifères domestiques. (in French). Paris: Vigot Frères éditeurs.

Kimberlin, zur Linden, Ruoff. Atlas of clinical imaging and anatomy of the equine head. Wiley-Blackwell, 2017.

Physiology/Pathophysiology

A clinically-oriented general physiology text should be consulted for a basic understanding of cardiovascular, gastrointestinal, central nervous, musculoskeletal, respiratory and urogenital physiology, for example:

Cunningham JG. Textbook of Veterinary Physiology. Elsevier (6th Ed), 2019.

Barrett KE et. al. Ganong's Review of medical physiology. Lange (26th Ed), 2019.

Guyton and Hall. Medical physiology. Elsevier (13th Ed), 2015.

Radiography and Radiology

Radiography

Wallack ST. The Handbook of Veterinary Contrast Radiography. San Diego Veterinary Imaging Inc, 2003.

Holloway A, McConnell F. BSAVA Manual of Canine and Feline Radiography and Radiology. BSAVA Publications, 2014.

Radiology

Small animal:

Barr FJ, Kirberger RM. BSAVA Manual of Canine and Feline Musculoskeletal Imaging. BSAVA Publications (2nd Ed), 2016.

Dennis R, Kirberger RM, Wrigley RH, Barr FJ. Handbook of Small Animal Radiology and Ultrasound, Techniques and Differential Diagnoses. Philadelphia, W.B. Saunders Co. (2nd Ed), 2010.

Krautwald-Junghanns ME, Pees M, Reese S, Tully T. Diagnostic Imaging of Exotic Pets. Hannover: Schluetersche, 2011.

Rubel GA, Isenbugel E, Wolvekamp P. Atlas of diagnostic radiology of exotic pets. Wolfe Publishing Limited, 1991.

Schwarz, Johnson. BSAVA Manual of Canine and Feline Thoracic Imaging. BSAVA Publications, 2008.

Thrall DE. Textbook of Veterinary Diagnostic Radiology. Elsevier (7th Ed), 2018.

Silverman S. Radiology of Birds, An Atlas of Normal Anatomy and Positioning. Philadelphia, W.B. Saunders Co., 2010.

Large animal:

Butler JA, Colles CM, Dyson SJ, Kold SE, Poulos PW. Clinical Radiology of the Horse. Wiley-Blackwell (4th Ed), 2017.

Bovine radiology atlas: free access on https://vetsuisse.com/bovine_radiology/Radioatlas.html

Ultrasonography (including echocardiography)

Kremkau FW. Sonography: Principles and instruments. Elsevier (9th Ed), 2016.

Small animal:

Barr FJ, Gaschen L. BSAVA Manual of Canine and Feline Ultrasonography. Wiley, 2011.

Penninck D, D'Anjou MA. Atlas of Small Animal Ultrasonography. Blackwell (2nd Ed), 2012.

Mattoon JS, Nyland TG. Small Animal Diagnostic Ultrasound. Elsevier (3rd Ed), 2015.

Nyland TG, Mattoon JS. Veterinary Diagnostic Ultrasound. Saunders, 1995. This is the old edition of the previous book, but contains some equine ultrasonography.

Schwarz T., Johnson V. BSAVA Manual of Canine and Feline Thoracic Imaging. Wiley, 2008.

Large animal:

Kidd Ja, Lu KG, Frazer ML. Atlas of equine ultrasonography. John Wiley & sons, 2014.

Nyland TG, Mattoon JS. Veterinary Diagnostic Ultrasound. Saunders, 1995. (see above)

Reef V. Equine Diagnostic Ultrasound. Saunders, (2nd Ed) 2019.

Computed Tomography / Magnetic Resonance Imaging

Westbrook C., Kaut Roth C., Talbot J. MRI in Practice. Wiley-Blackwell (4th Ed), 2012.

Elliott I., Skerritt G. Handbook or Small Animal MRI. Wiley-Blackwell, 2010.

Gavin PR., Bagley RS. Practical Small Animal MRI. Wiley-Blackwell, 2009.

Mai W. Diagnostic MRI in Dogs and Cats. CRC Press, 2018.

Murray RC. Equine MRI. Wiley-Blackwell, 2011.

Schwarz T., Saunders J. Veterinary Computed Tomography. Wiley-Blackwell, 2011.

Wisner E, Zwingenberger A. Atlas of Small Animal CT and MR. Wiley-Blackwell, 2015.

Nuclear medicine

Berry CR, Daniel GB. Handbook of Veterinary Nuclear Medicine. North Carolina State University, 1996. ISBN: 0-9651794-0-0. This book can be ordered directly from Dr Berry (email is bkberry@integrityonline15.com. This e-mail address is being protected from spambots. You need JavaScript enabled to view it).

Dyson SJ et al. Equine Scintigraphy. Printed by Equine Veterinary Journal 2003 ISBN 0-9545689-0-7

Radiobiology and radiotherapy

Hall EJ. Radiobiology for the radiologist. Philadelphia: Lippincott (8th Ed), 2018.

Joiner MC, van der Kogel AJ: Basic clinical radiobiology. CRC Press (5th Ed), 2019.

JOURNALS

All candidates should be familiar with **Veterinary Radiology & Ultrasound.**

Candidates should also be familiar with articles which are relevant for diagnostic imaging out of at least the following journals:

1. American Journal of Veterinary Research
2. BMC Veterinary Research
3. Canadian Veterinary Journal
4. Equine Veterinary Journal
5. Equine Veterinary Education
6. Feline Medicine and Surgery
7. Frontiers in Veterinary Science
8. Journal of the American Animal Hospital Association
9. Journal of the American Veterinary Medical Association (JAVMA)
10. Journal of Equine Veterinary Science
11. Journal of Small Animal Practice
12. Journal of Veterinary Internal Medicine
13. Journal of Veterinary Medical Science
14. Radiographics – monthly tutorial articles for physics
15. Reproduction in domestic animals
16. Veterinary Clinics of North America
17. Veterinary Comparative Orthopaedics and Traumatology
18. Veterinary Pathology
19. Veterinary Record
20. Veterinary Surgery
21. The Veterinary Journal