

Knowledge Requirements

October 2009

Required Reading List:

The following is a list of *required reference materials* that the resident/fellow is expected to learn with retention and comprehension. Pertinent sections of these resources should be studied and consulted throughout the resident's training. To facilitate this, a recent edition of each resource is required to be provided on site at each Residency Training Facility. Computer access to the common veterinary and human medical databases must also be available on site at each Residency Training Facility.

The Knowledge Requirements Required Reading List does not include all references from which Certifying Examination questions may be drawn, as other textbooks and periodicals contain pertinent information. Knowledge of basic and applied anatomy and physiologic principles is assumed.

Textbooks:

General Physiology - an edition of one of the following, published within the last 10 years:

- Textbook of Medical Physiology, Boron and Boulpaep
- Review of Medical Physiology, Ganong
- Textbook of Medical Physiology, Guyton & Hall
- Berne & Levy Physiology, Koeppen & Stanton, et al.

Veterinary ECC:

Small animal

- Small Animal Critical Care Medicine, Silverstein & Hopper

Large animal

- Manual of Equine Emergencies: Treatment & Procedures, 3rd ed., Orsini & Divers

Veterinary ECC Technical Manuals—at least one from the appropriate group:

Small animal

- Veterinary Emergency and Critical Care Manual, Mathews, 2nd ed.
- Veterinary Emergency and Critical Care Procedures, Hackett
- Manual of SA Emergency & Critical Care Medicine, Macintire et al.

Large animal

- The Equine Hospital Manual, Corley K and Stephen J eds. 2008

Human Intensive Care – at least one:

- Textbook of Critical Care, Fink, et al., 2005 ed.
- Critical Care Medicine, Parrillo and Dellinger, 3rd ed.

Fluid Therapy / Acid-Base / Electrolyte – an edition of one of the following, published within the last 10 years:

- Fluid, Electrolyte, and Acid-Base Disorders in Small Animal Practice, DiBartola
- Fluid, Electrolyte, and Acid-Base Physiology, Halperin & Goldstein
- Clinical Physiology of Acid-Base and Electrolyte Disorders, Rose & Post

General Veterinary Internal Medicine – at least one from the appropriate group:

Small Animal

- Textbook of Veterinary Internal Medicine, Ettinger & Feldman, 6th ed.

Large Animal

- Equine Internal Medicine, Reed, Bayly & Sellon, 2nd ed.
- Large Animal Internal Medicine, Smith, 4th ed. (excluding food animal sections)

Veterinary Surgery – at least one from the appropriate group:

Small Animal

- Small Animal Surgery, Fossum, 3rd ed.
- Textbook of Small Animal Surgery, Slatter, 3rd ed.

Large Animal

- Equine Surgery, 3rd Ed., Auer & Stick (Chapters 2-15)

Veterinary Anesthesia – at least one:

- Veterinary Anesthesia & Analgesia, McKelvey & Hollingshead, 3rd ed.
- Lumb & Jones' Veterinary Anesthesia and Analgesia, Tranquilli, et al., 4th ed.

Mechanical Ventilation – at least one:

- Essentials of Mechanical Ventilation, Hess & Kacmarek, 2nd ed.
- Mechanical Ventilation, MacIntyre & Branson, 2nd ed.
- Principles and Practice of Mechanical Ventilation, Tobin, 2nd ed.
- Mechanical Ventilation: Physiological and Clinical Applications, Pilbeam & Cairo, 4th ed.

Veterinary Pharmacology – at least one:

- Small Animal Clinical Pharmacology and Therapeutics, Boothe
- Small Animal Clinical Pharmacology, Maddison et al., 2nd ed.
- Equine Clinical Pharmacology, Bertone & Horspool

Veterinary Toxicology – at least one:

- Veterinary Toxicology: Basic and Clinical Principles, Gupta
- Clinical Veterinary Toxicology, Plumlee
- Small Animal Toxicology, Peterson & Talcott, 2nd ed.

Veterinary Clinical Pathology – at least one:

- Fundamentals of Veterinary Clinical Pathology, Stockham & Scott, 2nd ed.
- Duncan & Prasse's Veterinary Laboratory Medicine: Clinical Pathology, Latimer et al., 4th ed.
- Small Animal Clinical Diagnosis by Laboratory Methods, Willard & Tvedten, 4th ed.

Specific Areas of Veterinary Internal Medicine – for Small Animal Trainees only – each is required:

- Veterinary Pediatrics, Hoskins, 3rd ed.
- Respiratory Disease in Dogs and Cats, King
- Canine and Feline Endocrinology and Reproduction, Feldman & Nelson, 3rd ed.
- Infectious Diseases of the Dog and Cat, Greene, 3rd ed.
- Essentials of Veterinary Ophthalmology, Gelatt, 2nd ed.

Veterinary Neurology – at least one:

- Fundamentals of Veterinary Clinical Neurology, Bagley
- Handbook of Veterinary Neurology, Lorenz & Kornegay, 4th ed.
- BSAVA Manual of Canine and Feline Neurology, Platt and Olby, 3rd ed.

Veterinary Oncology:

- Small Animal Clinical Oncology, Withrow & MacEwen, 4th ed.

Veterinary Cardiology – at least one:

- Textbook of Canine and Feline Cardiology, Fox, et al., 2nd ed.
- Small Animal Cardiovascular Medicine, Kittleson & Keinle
- Cardiovascular Disease in Small Animal Medicine, Ware

Specific Areas of Veterinary Internal Medicine – for Large Animal Trainees only – each is required:

- Equine Neurology, Reed & Furr
- Equine Infectious Diseases, Sellon & Long

Journals:

- Journal of Veterinary Emergency and Critical Care
- Journal of the American Veterinary Medical Association
- American Journal of Veterinary Research
- Veterinary Surgery
- Journal of Veterinary Internal Medicine
- Veterinary Clinics of North America (small or large animal as pertains to the practice)
- Compendium of Continuing Education for Veterinarians
- Critical Care Medicine
- New England Journal of Medicine

Large Animal Specific:

- Equine Veterinary Journal
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