

Alternatives in Veterinary Medical Diagnostic Techniques Training

Cadavers

Abstract:

Cadavers of nonhuman animals can be used to practice medical diagnostic techniques. The source of the cadaver is important if one is proposing an alternative for moral or ethical reasons.

Published Material:

Pavletic MM, Schwartz A, Berg J, Knapp D: An assessment of the outcome of the alternative medical and surgical laboratory program at Tufts University. *Journal of the American Veterinary Medical Association* 205(1):97-100, 1994 (1 July).

“Our results suggest that use of cadavers during the third-year laboratory program, when supplemented with additional clinical training during the fourth year, can provide training comparable to that provided in a conventional laboratory program.”

Medical and diagnostic procedures assessed were: Transtracheal aspirate, Urinary catheterization (male), Urinary catheterization (female), Bone marrow aspiration, Venipuncture, Needle aspirate, True cut needle biopsy, Ophthalmic examination, Otic examination, Cerebrospinal fluid tap, Cystocentesis, Venous catheter placement, Other.

Models/Simulators

Sawbones® Arthroscopy Knee Model

Abstract:

This model is used for arthroscopic diagnostic and operative techniques. Models can be made so that bones are replaceable.

Contact Information:

Pacific Research Laboratories
P.O. Box 409
Vashon, WA 98070
206-463-5551
E-mail: info@sawbones.com
Web site: <http://www.sawbones.com>

Videotapes

The items in this category are numerous. The following are some good examples.

Bone Marrow Aspiration – Bovine and Canine Video

Abstract:

This video demonstrates how to perform bone marrow aspirations from the ribs of a cow and a dog. Reference is made to the adaptability of such a technique on a horse.

Catalog No.: 3192-1

Contact Information:

University of California, Davis
School of Veterinary Medicine
Dean's Office – Academic Programs
One Shields Avenue
Davis, CA 95616
Phone: (530) 752-1324
E-mail: svmacadprog@ucdavis.edu
Web site: <http://www.calf.vetmed.ucdavis.edu/html/calf.html>

Doppler Blood Pressure Measurement Video

Abstract:

The principle of indirect determination of blood pressure is discussed. Doppler instrumentation is explained, with detailed demonstration of the Parks Electronics Doppler Blood Flow Detector and the Roche Laboratories Arteriosonde. Application of an occlusion cuff and the Doppler unit is demonstrated on a dog and on a horse.

Catalog No.: 3228-1

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Electromyography Video

Abstract:

This video demonstrates the equipment used for electromyography, techniques performed, and abnormalities found with the electromyograph.

Catalog No.: 29201-1

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Endoscopic Examination of the Stomach of the Dog and Cat

Abstract:

The technique of endoscopy of the stomach of the dog and cat is demonstrated.

Contact Information:

Royal Veterinary College
Unit for Veterinary Continuing Education
Royal College Street
London NW1 0TU
United Kingdom
Phone: 011 44 171-387 2898 Ext. 380
Fax: 011 44 171-383 0615

Endoscopy of the Upper Respiratory Tract of the Horse

Abstract:

The technique of endoscopy of the upper airways of the horse is demonstrated. Normal upper airways, as seen endoscopically, are viewed. Common diseases of the upper airways are shown and discussed.

Contact Information:

Texas A&M University
Media Resources
College of Veterinary Medicine
Texas Veterinary Medical Center
College Station, TX 77843-4461
Phone: (409) 845-1780
Fax: (409) 845-6737

Introduction to Veterinary Endoscopy

Abstract:

This videotape presents the theory and application of endoscopy through [fiberoptics] to veterinary practice. The instrumentation is described and its use is demonstrated. Endoscopic views of the respiratory tract and gastrointestinal system are included.

Order No.: D-0207

Contact Information:

American Veterinary Medical Association Audiovisual Library
c/o Video Placement Worldwide
25 Second Street North
Saint Petersburg, FL 33701
Phone: (800) 266-6310

Special Diagnostic Techniques, Parts I and II

Abstract:

Part I: Part I discusses the anatomy of the equine upper respiratory tract, reviews endoscopic techniques, and explains abnormalities of the upper respiratory tract.

Part II: In Part II, four case studies are used to demonstrate the atropine test for heaves, a thoracocentesis, and a transtracheal wash. Indications for a radiological referral are discussed.

Contact Information:

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Campus Drive
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