

CURRICULUM VITAE

Andris Janis Kaneps

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TRAINING:

- 2009 Radiation Safety Officer Certification: 40-hour course completed February 2009. Course satisfies Department of Transportation requirements listed in Title 49, part 172, subpart H.
- 1993-1995 Post-doctoral research under Nancy E. Lane, MD, Department of Rheumatology, University of California San Francisco and Susan M. Stover, DVM, PhD, Department of Anatomy and Cell Biology, School of Veterinary Medicine, University of California, Davis.
- 1979-1981 Residency in Equine Surgery, College of Veterinary Medicine, The Ohio State University, Columbus, Ohio. Supervisors: Drs. A.A. Gabel, L.R. Bramlage, J.T. Robertson.
- 1978-1979 Internship, Large Animal Medicine and Surgery, College of Veterinary Medicine and Biomedical Sciences, Colorado State University, Fort Collins, Colorado. Supervisors: Drs. O.R. Adams, W.A. Aanes, A.S. Turner, L. Johnson.

EDUCATION:

- 1990-1994 Ph.D. Comparative Pathology graduate group, University of California, Davis; major professor Dr. Timothy R. O'Brien. Dissertation: Distal phalangeal palmar process fractures in the foal.
- 1979-1981 M.S. College of Veterinary Medicine, The Ohio State University, Columbus, Ohio. Thesis: Response of the equine metacarpus to conventional and ion beam textured cortical bone screws.
- 1974-1978 D.V.M. College of Veterinary Medicine, University of Minnesota, St. Paul, Minnesota.
- 1976 B.S. Veterinary Science, College of Veterinary Medicine, University of Minnesota
- 1971-1974 College of Agriculture, University of Minnesota, St. Paul, Minnesota.

SPECIALTY CERTIFICATION

Diplomate, American College of Veterinary Surgeons: 1994

Charter Diplomate, American College of Veterinary Sports Medicine and Rehabilitation: 2010

CURRENT PROFESSIONAL LICENSES: Massachusetts, New Hampshire, Vermont, Maine, South Carolina, North Carolina

EMPLOYMENT:

July 2012-present	Owner, Kaneps Equine Sports Medicine and Surgery.
July 2005-June 2012	Staff surgeon, New England Equine Medical and Surgical Center.
May 2003-November 2005	Partner, Parrott Equine Associates, Hamilton, MA. Equine sporthorse ambulatory practice, North Shore of Massachusetts.
November 1999-April 2003	Assistant professor of equine orthopedic surgery, College of Veterinary Medicine, The Ohio State University.
January 1997-October 1999	Assistant professor, large animal surgery; College of Veterinary Medicine, Oregon State University.
July 1995 - December 1996	Lecturer in equine surgery, Department of Surgical and Radiological Sciences, School of Veterinary Medicine, University of California, Davis. Service chief: Dr. Jack Snyder.
May 1996 - April 1998	Principal and supervising veterinary surgeon for a study on "Neurolab". A multi-disciplinary study of adaptation to microgravity using a rodent model. I supervised two other surgeons. We implanted transmitters in over 300 rats for this study. Experiments conducted on the space shuttle (STS-90), April 1998. Dr. Charles A. Fuller, Department of Neurobiology, Physiology and Behavior, UC Davis, principal investigator.
February - July 1995	Principal veterinary surgeon, "NIH-R.2". A multi-disciplinary research study of the effects of microgravity on fetal development. I supervised and conducted surgical procedures and dissections of rats that were aboard the space shuttle Discovery (STS-70) during July 1995. Dr. Charles A. Fuller, Department of Neurobiology, Physiology and Behavior, UC Davis, principal investigator.
July 1994 - June 1995	Postdoctoral Researcher; Veterinary Orthopedic Research Laboratory, Department of Veterinary Anatomy, Physiology, and Cell Biology, School of Veterinary Medicine, University of California, Davis. Laboratory director: Dr. Susan M. Stover
July 1990 - June 1994	Postgraduate Researcher; Department of Surgical and Radiological Sciences, School of Veterinary Medicine, University of California, Davis.

September 1989 - June 1995	Consulting surgeon and staff veterinarian, Loomis Basin Veterinary Center, Large Animal Services, Loomis, California.
August 1988 - Sept. 1989	Staff veterinarian, North State Equine Veterinary Hospital, Livermore, California.
March - June 1988	Staff veterinarian, Alamo Pintado Equine Medical Center, Los Olivos, California.
November 1981 - Dec. 1987	Assistant professor, large animal surgery, College of Veterinary Medicine, Oregon State University, Corvallis, Oregon.
July - September 1981	Staff veterinarian, Equine Medical Center, Lakeville, Minnesota.
1979 - 1981	Clinical instructor, Department of Equine Surgery, The Ohio State University, Columbus, Ohio.
1978 - 1979	Instructor, Department of Large Animal Clinical Sciences, Colorado State University, Fort Collins, Colorado.

HONORS AND AWARDS:

Coughlin Visiting Professor, University of Tennessee College of Veterinary Medicine, 2004.
 Phi Zeta Honorary Fraternity, elected at Oregon State University, 1987.
 Outstanding Resident's publication (honorable mention), Veterinary Surgery, 1984.
 Equine Medicine Proficiency Award and Diamond Service Award, 1978.
 Student Chapter, American Veterinary Medical Association: President, 1977-1978.

PROFESSIONAL ORGANIZATIONS:

American Veterinary Medical Association
 American Association of Equine Practitioners
 University of Minnesota Alumni Association
 The Ohio State University Alumni Association
 American College of Veterinary Surgeons
 American College of Veterinary Sports Medicine and Rehabilitation

TEACHING RESPONSIBILITIES:

Clinical, laboratory and didactic courses taught at:

The Ohio State University
 Oregon State University
 University of California-Davis

PUBLICATIONS:*Refereed publications-*

Kaneps AJ. A One-health perspective: Use of hemoderivative regenerative therapies in canine and equine patients. *J Am Vet Med Assoc*; 2023 261(3):301-308. doi: 10.2460/javma.22.12.0556. Print 2023 Mar 1.

Faramarzi B, McMicking H, Halland S, **Kaneps AJ**, Dobson H. Incidence of palmar process fractures of the distal phalanx and association with front hoof conformation of foals. *Equine Vet J*; 2015;47(6):675-679.

Sutter WW, **Kaneps AJ**, Bertone AL. Comparison of hematologic values and transforming growth factor- β and insulin-like growth factor concentrations in platelet concentrates obtained by use of buffy coat and apheresis methods from equine blood. *Am J Vet Res* 2004;65(7):924-930.

Kaneps AJ, Craig AM, Walker KC, True JE. Iontophoresis of dexamethasone into the equine tarsocrural joint. *Am J Vet Res*. 2002;63:11-14.

Latimer FG, **Kaneps AJ**, Trotter GW. Stifle disease in horses: fractures and osseous injuries. *Compend Contin Educ Pract Vet*. 2001;23(11):1004-1019.

Koenig JB, Watrous BJ, **Kaneps AJ**, Adams JG, Parker JE. Otitis media in a llama. *J Am Vet Med Assoc*. 2001;218(10):1619-1623.

Kaneps AJ. Tissue temperature response to hot and cold therapy in the metacarpal region of a horse. *Proceedings Am Assoc Equine Pract*. 2000;46:208-213.

Latimer FG, **Kaneps AJ**, Pasquini C. Stifle disease in horses: developmental and soft tissue injuries. *Compend Contin Educ Pract Vet*. 2000;22(4):381-390.

Bikers RJ, Templer AS, Cebra C, **Kaneps AJ.** Diagnosis and treatment of torsion of the spiral colon in an alpaca. *J Am Vet Med Assoc*. 2000;216(3):380-382.

Bueno A, **Kaneps AJ**, Watrous BJ. What is your diagnosis: tibial and femoral condylar cysts in a horse. *J Am Vet Med Assoc*. 1999;215(8):1097-1098.

Kaneps AJ, Huber MJ, Snyder SP. Comparison of autogenous cancellous bone grafts obtained from the sternum and proximal tibia of llamas. *J Am Vet Med Assoc*. 1999;215(3):362-365.

Kaneps AJ, O'Brien TR, Willits NH, Dykes JE, Stover SM. Effect of hoof trimming on the occurrence of distal phalangeal palmar process fractures in foals. *Equine Vet J Suppl*. 1998; 26:36-45.

Kaneps AJ and Smith BL. Management of distal limb lameness in foals. *Compend Contin Educ Pract Vet*. 1998;20(9):1060-1067.

Kaneps AJ, Stover SM, Lane NE. Changes in canine cortical and cancellous bone mechanical properties following immobilization and remobilization with exercise. *Bone*: 1997; 21:419-423.

Lane NE, **Kaneps AJ**, Stover SM, Modin G, Kimmel DB. Bone mineral density and turnover following forelimb immobilization and recovery in young adult dogs. *Calcif Tissue Int.* 1996;59:401-406.

Kaneps AJ. Orthopedic conditions of small ruminants (llama, sheep, goat and deer). in: St.Jean G.(ed). *Vet Clin North Am Food Anim Pract.* 1996;12(1):211-231.

Kaneps AJ, Koblik PD, Freeman DM, O'Brien TR, Pool RR. Sensitivity of radiography, computed tomography, and magnetic resonance imaging for the diagnosis of palmar process fractures in foals. *Vet Radiol Ultrasound.* 1995;36(6):467-477.

Kaneps AJ, Stover SM, O'Brien TR, Willits NH, Pool RR. Radiographic characteristics of the distal phalanx and microscopic morphology of the lateral palmar process in foals 3-32 weeks old. *Vet Radiol Ultrasound.* 1995; 36(3):179-187.

Blythe LL, Watrous BJ, Shires GMH, **Kaneps AJ**, Wagner vonMatthiessen PC, Riebold TW. Prophylactic partial stylohyoidostectomy for horses with osteoarthropathy of the temporohyoid joint. *J Equine Vet Sci.* 1994; 14(1): 32-37.

Kaneps AJ, O'Brien TR, Redden RF, Stover SM, Pool RR. Characterisation of osseous bodies of the distal phalanx of foals. *Equine Vet J.* 1993; 25(4): 285-292.

Butler JA, Whanger PD, **Kaneps AJ**, Patton NM. Metabolism of selenite and selenomethionine in the rhesus monkey. *J Nutr.* 1990; 120(7): 751-759.

Riebold TW, **Kaneps AJ**, Schmotzer WB. Anesthesia in the llama. *Vet Surg.* 1989; 18: 400-405.

Kaneps AJ, Schmotzer WB, Huber MJ, Riebold TW, Watrous BJ, Arnold JS. Fracture repair with transfixation pins and fiberglass cast in llamas and small ruminants. *J Am Vet Med Assoc.* 1989; 195: 1257-1261.

Kaneps AJ, Riebold TW, Schmotzer WB, Watrous BJ, Huber MJ. Surgical correction of congenital medial patellar luxation in a llama. *J Am Vet Med Assoc.* 1989; 194: 547-548.

Forsberg NE, **Kaneps AJ**, Riebold TW. Neutral amino acid transport in sheep external intercostal muscle. *Can J An Sci.* 1988; 68: 409-417.

Schmotzer WB, Hultgren BD, Watrous BJ, Wagner PC, **Kaneps AJ**. Nasomaxillary fibrosarcomas in three young horses. *J Am Vet Med Assoc.* 1989;191:437-439.

Hultgren BD, Zack PM, Pearson EG, **Kaneps AJ**. Juvenile granulose tumour in an equine weanling. *J Comp Pathol.* 1987;97:137-142.

Hultgren BD, Schmotzer WB, Watrous BJ, Hedstrom OR, Schmitz JA, Wagner PC, **Kaneps AJ**, Gallagher JA. Nasalmaxillary fibrosarcoma in young horses: a light and electron microscopic study. *Vet Pathol.* 1987;24:194-196.

Riebold TW, **Kaneps AJ**, Schmotzer WB. Reversal of xylazine sedation in llamas with doxapram, or 4-aminopyridine and yohimbine. *J Am Vet Med Assoc.* 1986; 198: 1059-1061.

Kaneps AJ, Blythe LL. Diagnosis and treatment of brachial plexus trauma resulting from dystocia in a calf. *Compend Contin Educ Pract Vet.* 1986; 8: 54-56.

Shires GMH, **Kaneps AJ**. A practical and simple surgical technique for the repair of urine pooling in the mare. *Proceedings Am Assoc Equine Pract.* 1986; 51-56.

Lassen ED, Pearson EG, Long P, Schmotzer WB, **Kaneps AJ**, Riebold TW. Clinical biochemical values of llamas: reference values. *Am J Vet Res.* 1986;2278-2280.

Wagner PC, Grant BD, **Kaneps AJ**, Watrous BJ. Long-term results of desmotomy of the accessory ligament of the deep digital flexor tendon (distal check ligament) of the horse. *J Am Vet Med Assoc.* 1985; 187: 1351-1353.

Wagner PC, Shires GMH, Watrous BJ, **Kaneps AJ**, Schmotzer WB, Riebold TW. Management of acquired flexural deformity of the metacarpophalangeal joint in equidae. *J Am Vet Med Assoc.* 1985; 187: 915-918.

Kaneps AJ, Shires GMH, Watrous BJ. Cystic calculi in two horses. *J Am Vet Med Assoc.* 1985; 187: 737-739.

Kaneps AJ, Hultgren BD, Riebold TW, Shires GMH. Laser therapy in the horse: histopathologic response. *Am J Vet Res.* 1984; 45: 581-582.

Blythe LL, Watrous BJ, Schmitz JA, **Kaneps AJ**. Vestibular syndrome associated with temporohyoid joint fusion and temporal bone fracture in three horses. *J Am Vet Med Assoc.* 1984; 185: 775-781.

Wagner PC, DeBowes RM, Grant BD, **Kaneps AJ**, Watrous BJ. Cancellous bone screws for repair of proximal growth plate fractures of the tibia in foals. *J Am Vet Med Assoc.* 1984;184:688-691.

Kaneps AJ, Bramlage LR, Gabel AA. Response of the equine metacarpus to ion-beam textured and conventional cortical bone screws. *Vet Surg.* 1983; 12: 86-92.

Bennett DG, Poland H, **Kaneps AJ**. Response of the equine endometrium to intrauterine infusion. *Equine Pract.* 1981; 3:23-27.

Kaneps AJ, Knight AP, Bennett DG. Synchronous diaphragmatic flutter associated with electrolyte imbalances in a mare with colic. *Equine Pract.* 1980; 2: 18-24.

abstracts, book chapters, non-refereed publications-

Faramarzi B, McMicking H, Halland S, **Kaneps AJ**. Incidence of palmar process fractures of the distal phalanx and association with front hoof conformation of foals. 8th International Veterinary Physical Therapy and Rehabilitation Symposium. Corvallis, OR; 2014.

Hinchcliff KW, **Kaneps AJ**, Geor RJ (eds). *Equine Sports Medicine and Surgery* 2nd ed. Saunders, New York; 2013. Authored 3 chapters and edited the musculoskeletal and rehabilitation therapy sections of this text.

Auer J and Stick JA (eds): *Equine Surgery*, Elsevier; 2011. **Kaneps AJ**: Physiotherapy of equine

orthopaedic cases.

Wilson DA (ed): Clinical Advisor: The Horse, Elsevier, New York; 2011. **Kaneps AJ**. Editor of the musculoskeletal section, author of multiple musculoskeletal chapters.

Hinchcliff KW, Geor RJ, **Kaneps AJ** (eds). Equine Exercise Physiology. Saunders, New York; 2008.

Kaneps AJ. Surgical options for treating tendon and ligament injuries. Clin Tech Equine Pract 2007; 6:209-216.

Sutter WW, **Kaneps AJ**, Bertone AL. Cytokine levels in equine platelet-rich plasma compared to whole blood. American College of Veterinary Surgeons March, 2003.

Kaneps AJ, Wagner vonMatthiessen PC. Flexural limb deformities (contracted tendons). in: Smith BP (ed), Large Animal Internal Medicine, third edition. Mosby, St. Louis; 2001; pp 1133-1136.

Kaneps AJ, Craig AM. Iontophoresis of a single dose of dexamethasone into the equine tarsocrural joint. Vet Surg 2000;29(5):466.

Kaneps AJ. New treatment technologies demand rigorous evaluation (editorial). Eq Vet J 1999; 31(3):184.

Kaneps AJ. Thermal therapies: heat and cold. Proceedings, First International Symposium on Physical Therapy and Rehabilitation in Veterinary Medicine, 1999; 35-42.

Kaneps AJ, Craig AM, Walker K. Iontophoresis of dexamethasone into the equine tarsocrural joint. Proceedings, First International Symposium on Physical Therapy and Rehabilitation in Veterinary Medicine, 1999; 187.

Kaneps AJ, Stover SM, Arnaud C, Lane NE. Changes in canine cortical and cancellous bone material properties following immobilization and recovery. American Society for Bone and Mineral Research, 1995.

Lane NE, **Kaneps AJ**, Stover SM, Howard T, Kimmel DB. Changes in bone mineral density and histology following immobilization and recovery. American Society for Bone and Mineral Research, 1995.

Kaneps AJ, O'Brien TR, Willits NH, Stover SM. The effect of excessive hoof trimming on the occurrence of distal phalangeal palmar process fractures in foals. Proceedings, 41st Annual American Association of Equine Practitioners 1995;41:251-252.

Kaneps AJ, Stover SM, Lane NE. Changes in canine cortical and cancellous bone material properties following immobilization. 41st Annual Transactions of the Orthopedic Research Society, 1995.

Les CM, Stover SM, Keyak JH, Taylor KT, **Kaneps AJ**. Stiff and strong material properties are associated with brittle post-yield behavior in cortical bone. 41st Annual Transactions of the Orthopedic Research Society, 1995.

Kaneps AJ. Hernias. in: Auer JA (ed), Textbook of Equine Surgery. WB Saunders Company, Philadelphia. 1992; pp 415-423.

Forsberg NE, Riebold TW, **Kaneps AJ**. Transport of aminocyclopentane-1-carboxylic acid by isolated sheep external intercostal muscle. Proceedings, Western Section American Society of Animal Scientists 2; 37: 88-91.

Bennett DG, Poland H, **Kaneps AJ**. Response of the equine endometrium to intrauterine infusion. Proceedings, American Association of Equine Practitioners 1980; 135-139.

Kaneps AJ. The bowed tendon. Ohio Quarter Horse Association News 1980; 19: 30-31.

PRESENTATIONS:

2018-2022: Four one-hour lectures for veterinarians in the post-graduate Veterinary Massage and Rehabilitation Therapy course offered by The Healing Oasis, Sturtevant, WI USA. Accredited by the US Department of Education and approved by the Wisconsin Department of Safety and Professional Services-Educational Approval Program.

2017-2020: Six to ten two-day continuing education seminars conducted for Veterinary Professional Development (VetPD) in the USA, Scandinavia and Europe. Topics include equine rehabilitation therapy, treatment of equine joint disorders, diagnostic analgesia, and prepurchase examination. Laboratories were conducted in diagnostic ultrasound examination, case presentations with imaging and development of rehabilitation treatment plans.

2017: Development of treatment plans and therapeutic monitoring, Cold and hot therapy, Whole body vibration, Extracorporeal shockwave therapy, Therapeutic ultrasound. VetPD Equine Rehabilitation course, Knoxville, Tennessee.

2016: Treatment of equine soft tissue injuries. American Association of Equine Practitioners, Orlando, Florida.

2016: Advanced imaging of equine lameness, Equine rehabilitation exercise, Regenerative therapies, Shockwave therapy, Rehabilitation protocols in the horse. Healing Oasis Wellness Center, Sturtevant, Wisconsin.

2015: Treatment and rehabilitation of equine soft tissue injuries. ACVSMR Special Sessions at ACVS Surgery Symposium. Nashville, TN.

2015: Equine physical therapy modalities; Equine shockwave therapy protocols; Use of Lameness Locator in equine lameness diagnosis. North American Veterinary Community. Orlando, FL.

2015: Advanced imaging for equine lameness; Soft tissue injuries in horses: diagnosis and treatment; Shockwave therapy protocols in the horse. Northwest Equine Practitioners Association Annual Meeting. Bend, OR.

2014: Equine shockwave therapy. ACVSMR Special Sessions at ACVS Surgery Symposium. San Diego, CA.

- 2014: Wet lab: The equine neck; Equine shockwave therapy: evidence based review. 8th International Veterinary Physical Therapy and Rehabilitation Symposium. Corvallis, OR.
- 2013: Rehabilitation in equine practice; Diagnostic analgesia: regional and intra-articular. Bicentennial Congress of the Swiss Veterinary Society, Bern, Switzerland.
- 2012: Equine tendon injuries, equine physical therapy, equine nerve blocks. Connecticut Veterinary Medical Association Annual Meeting, Hartford, CT.
- 2012: Equine physical therapy in your practice. Northeast Association of Equine Practitioners, Pittsburg, PA
- 2011: Rehabilitation therapy of neck and back injuries. Rehabilitation therapy of tendon and ligament injuries. Florida Association of Equine Practitioners. Amelia Island, FL.
- 2010: Musculoskeletal tissue response to exercise in the horse: evidence-based review. Sixth International Symposium on Veterinary Rehabilitation and Physical Therapy. Auburn, AL.
- 2010: Equine physical therapy and rehabilitation: 120-hour certification course in equine physical therapy taught at the University of Tennessee, College of Veterinary Medicine with Dr. Steven Adair. Dr. Adair and I developed the curriculum, secured outside speakers and coordinated the course. Lectured on: tendon injury and healing, conditions of the foot.
- 2009: Lameness Examination Techniques and Diagnostic Nerve Blocks. Equine Practitioners of Maine. Dover-Foxcroft, Maine.
- 2008: Equine Tendon and Ligament Injuries. New England Regional Veterinary Conference. Portland, ME.
- 2008: Clinical Application of Shockwave Therapy in Horses. Fifth International Symposium on Veterinary Rehabilitation and Physical Therapy, Minneapolis, MN.
- 2007: Equine Tendon and Ligament Disorders. New Hampshire Veterinary Medical Association. Windham, NH.
- 2005-2022: Equine physical therapy and rehabilitation: 120-hour certification course in equine physical therapy taught at the University of Tennessee, College of Veterinary Medicine with Dr. Steven Adair. Dr. Adair and I developed the curriculum, secured outside speakers and coordinated the course. Lectured on: anatomy, thermal therapy, tendon injuries, conditions of the foot.
- 2006: Equine physical treatment: mechanisms of action. Swedish University of Agricultural Sciences, Faculty of Veterinary Medicine and Animal Sciences, Uppsala, Sweden.
- 2004: Equine physical therapy, equine tendon and ligament injuries, joint anesthesia in equine lameness diagnosis. University of Tennessee College of Veterinary Medicine Winter Meeting, Coughlin Professorship in Veterinary Medicine.
- 2003: Equine physical therapy. American Board of Veterinary Practice Annual Meeting, Chicago, IL.
- 2003: Preventing injuries during training. Alberta Horse Owners and Breeders Annual Conference.

Red Deer, Alberta.

- 2002: Young horses in training: prevention of injuries. Pre-International Conference on Equine Exercise Physiology: Seminar for Horsemen. Lexington, Kentucky.
- 2002: Thermal therapy: hot and cold. Second International Symposium on Veterinary Rehabilitation and Physical Therapy. Knoxville, Tennessee.
- 2002: Tendon injuries in horses. Second International Symposium on Veterinary Rehabilitation and Physical Therapy. Knoxville, Tennessee.
- 2002: Thermal response of the equine metacarpal region to hot and cold therapy. Second International Symposium on Veterinary Rehabilitation and Physical Therapy. Knoxville, Tennessee.
- 2002: Advances in equine laminitis treatment. Midwest Veterinary Conference, Columbus, OH.
- 2001: Diagnosis of equine lameness; Lameness that originates within the hoof; Common equine lameness conditions. Latvian Association of Veterinarians Annual Conference, Sigulda, Latvia.
- 2001: Equine laminitis; Heel lameness; Physical therapy for equine lameness. Equine Affaire, Columbus, OH.
- 2001: Basic equine orthopedic surgery techniques; Intra-articular injection techniques; Approach to lameness diagnosis; Equine laminitis update; New treatments for lameness: physical therapy and conventional methods. Midwest Veterinary Conference, Columbus, OH.
- 2001: Joint diseases and abnormalities. Equine Breeding Management Short Course, College of Veterinary Medicine, The Ohio State University.
- 2000: Tissue temperature response to hot and cold therapy in the metacarpal region of a horse. American Association of Equine Practitioners, San Antonio, TX.
- 2000: Iontophoresis of dexamethasone into the tarsocrural joint in horses. American College of Veterinary Surgeons Annual Surgery Forum, Alexandria, VA.
- 1999: Angular limb deformities in foals. American College of Veterinary Surgeons Annual Surgery Forum, San Francisco, CA.
- 1999: Thermal therapies: heat and cold. First International Symposium on Physical Therapy and Rehabilitation in Veterinary Medicine, Corvallis, OR
- 1999: Iontophoresis: a new, non-invasive treatment modality. Oregon Veterinary Medical Association, Sunriver, OR.
- 1998: Autogenous cancellous bone grafts from the sternum in llamas. American College of Veterinary Surgeons Annual Scientific Meeting, Chicago, IL.
- 1998: Hot and cold therapy in horses. Oregon Veterinary Medical Association, Lincoln City, OR.
- 1997: Management of distal limb lameness in foals: shoeing and fractures. College of Veterinary

- Medicine 5th Annual Short Course for Veterinarians, Corvallis, OR.
- 1997 Distal limb lameness in foals. University of Minnesota, College of Veterinary Medicine 50th Anniversary Celebration Scientific Meeting, St. Paul, MN.
- 1997 Transfixation pin and cast immobilization for long bone fractures in camelids. University of Minnesota, College of Veterinary Medicine 50th Anniversary Celebration Scientific Meeting, St. Paul, MN.
- 1997 Management of long bone fractures in llamas and alpacas. American College of Veterinary Surgeons Annual Symposium, Orlando, FL.
- 1997 New advances in the treatment of laminitis in horses. Oregon Veterinary Medical Association, Ashland, OR.
- 1997 Equine dental surgical procedures. Northwest Equine Practitioners Association, Corvallis, OR.
- 1996 Llama orthopedic conditions: panel discussant. American College of Veterinary Surgeons Annual Symposium, San Francisco, CA.
- 1996 Laminitis: causes, treatment and prevention. 11th Annual Horsemen's Day, School of Veterinary Medicine, University of California, Davis.
- 1995 The effect of hoof trimming on the occurrence of distal phalanx palmar process fractures in foals. American Association of Equine Practitioners, Lexington, KY.
- 1995 Changes in canine cortical and cancellous bone material properties following immobilization and recovery. American Society for Bone and Mineral Research Annual Meeting, Washington, D.C.
- 1995 Changes in cortical and cancellous bone mechanical properties following immobilization. 41st Annual Meeting of the Orthopaedic Research Society, Orlando, Florida.
- 1994 Radiography, computed tomography, and magnetic resonance imaging of palmar process fractures of the distal phalanx of foals: correlation with histomorphology. 21st Veterinary Orthopedic Society Annual Meeting, Snowbird, UT.
- 1994 Development of the distal phalanx of foals. 8th Annual Bluegrass Laminitis Symposium, Louisville, KY.
- 1994 Osseous bodies of the distal phalanx of foals described using radiography and microscopic evaluations. 8th Annual Bluegrass Laminitis Symposium, Louisville, KY.
- 1993 Morphology of the lateral palmar process of the distal phalanx of foals: 3rd International Veterinary Perinatology Conference, Davis, California.
- 1992 Characterization of osseous bodies of the distal phalanx of Thoroughbred foals: 38th Annual Convention, American Association of Equine Practitioners, Orlando, Florida.
- 1992 Magnetic resonance imaging in morphological bone research: 4th Annual Graduate Group in

- Comparative Pathology Seminar, University of California, Davis.
- 1992 Osseous bodies of the distal phalanx of Thoroughbred foals: 5th Annual Symposium on Advances in Clinical Veterinary Medicine, Davis, California.
- 1988 Surgical Conditions of Llamas: American Veterinary Medical Association, Annual Scientific Program, Portland, Oregon.
- 1988 Arthroscopic Evaluation and Treatment of Equine Joint Disease: Alamo Pintado Equine Medical Center Annual Veterinarians Seminar, Buellton, California.
- 1987 Equine Colic: Oregon Paraveterinary Association Annual Meeting, Corvallis, Oregon.
- 1987 Comparison of Cartilage and Soft Tissue Joint Healing Following Arthroscopy and Arthrotomy in Ponies: American College of Veterinary Surgeons Annual Scientific Meeting, San Antonio, Texas.
- 1986 Cold Laser Therapy in the Horse; Surgical Laser Workshop, North Carolina State University, Raleigh, North Carolina. Asked to speak by invitation.
- 1984 Use of Treatment Devices and Surgery in Equine Lameness, Farriers Lameness Seminar, Corvallis, Oregon.
- 1984 Veterinary Panel, Annual Llama Expo, Llama Association of North America, Grants Pass, Oregon.
- 1984 Treatment of Lameness in Horses- New Techniques: Horsemens Seminar, Cascade Equine Hospital, Boring, Oregon.
- 1984 Large Animal Bandaging and Casting Techniques: Marion-Polk County Veterinary Medical Association, Aumsville, Oregon.
- 1984 Injuries of the Athletic Horse: Oregon Veterinary Medical Association Annual Meeting: Corvallis, Oregon.
- 1983 Laser Therapy in the Horse: Thermal and Histopathologic Response: American College of Veterinary Surgeons Annual Meeting, San Diego, California.
- 1982 Response of the Equine Metacarpus to Ion-beam textured and Conventional Cortical Bone Screws: American College of Veterinary Surgeons Annual Meeting, Las Vegas, Nevada.
- 1981 Comparison of Osseous Tissue Ingrowth Between Conventional and Ion Beam Textured Cortical Bone Screws: Conference on the Biomedical use of Ion-Beam Textured Devices, Case Institute of Technology, Cleveland, Ohio. Asked to speak by invitation.
- 1981 Proposed Mechanism of Action- Laser and Cryogenic Therapy: Equine Practitioners Workshop, Columbus, Ohio.

RESEARCH:*Primary Investigator:*

Treatment of collagenase-induced equine tendonitis with intralesional autologous platelet-rich plasma. Kaneps AJ, Sutter WW, Mattoon JS, Weisbrode SE. College of Veterinary Medicine, The Ohio State University. April 2001 - June 2003.

Equine collagenase-induced tendonitis model of the lateral digital extensor tendon. Kaneps AJ, Mattoon JS, Weisbrode SE, Tsubakishita S. College of Veterinary Medicine, The Ohio State University. June - December 2001.

Thermography and nuclear scintigraphy of equine synovitis following administration of eltenac. Kaneps AJ, Bertone AL, Mattoon JS. Funded by Schering-Plough Animal Health. August - November 2000.

Hot and cold therapy in horses: temporal characteristics of surface, superficial and deep tissue temperatures in response to six hot and cold therapeutic modalities. Kaneps AJ. Funded by the College of Veterinary Medicine, Oregon State University: January 1999 - July 1999.

Iontophoresis of dexamethasone into the tarsocrural joint of horses. Kaneps AJ and Craig AM. Funded by the College of Veterinary Medicine, Oregon State University: July 1998 - June 1999, Iomed, Inc., and the American Horse Shows Association Equine Health Research Fund: May 1999 - June 2000.

Autogenous cancellous bone grafts from the sternum in llamas and alpacas. Kaneps AJ and Huber MJ. Funded by the College of Veterinary Medicine, Oregon State University: August 1997 - July 1998. Completed in 1998. Results presented at 1998 ACVS meeting and published in JAVMA 1999.

Bone density determination by use of digital subtraction radiography in the horse. Kaneps AJ, Wisner EK, Seibert JA. Funded by the Center for Equine Health, University of California-Davis: July 1996 - June 1997.

Comparison of articular cartilage and soft tissue healing following arthrotomy and arthroscopy in ponies. Kaneps AJ, Hultgren BD, Watrous BJ, Lassen ED. Funded by the Oregon Racing Commission, \$2000 funded by Solvay Veterinary. Completed in 1986. Results presented at 1987 ACVS meeting.

Thermal and histopathologic response of the horse to laser therapy. Kaneps AJ, Hultgren BD, Riebold TW, Shires GMH. Funded by the College of Veterinary Medicine, Oregon State University. Completed in 1983. Results published in American Journal of Veterinary Research 45:581-582, 1984.

Response of the equine metacarpus to conventional and ion-beam textured cortical bone screws. Kaneps AJ, Bramlage LR, Gabel AA. Funded by the Equine Research Group, The Ohio State University, College of Veterinary Medicine. Completed in 1981. Results published in Veterinary Surgery 12:86-92, 1983.

Co-investigator:

Clinical trial of an investigational non-steroidal anti-inflammatory drug in horses. Alicia Bertone, primary investigator. A.J. Kaneps, F. Latimer and W. Winchell, co-investigators. Merial Limited, October 2002-June 2003.

Nuclear scintigraphy of osseomyelitis in foals. Alexander K, Drost WT, Kaneps AJ, Abrahamson E. College of Veterinary Medicine, The Ohio State University. April 2001 - June 2003.

Radiographic monitoring of osseous lesions secondary to chronic flexural deformities in the foal. Watrous BJ, Wagner PC, Kaneps AJ, Shires GMH. Funded by the Oregon Racing Commission.

The effect of repeated abdominocentesis on equine peritoneal fluid. Schmotzer WB, Lassen ED, Kaneps AJ, Shires GMH. Funded by the College of Veterinary Medicine, Oregon State University. Results published in *Veterinary Surgery* 14: 64, 1985.

Evaluation of H2 blockers in foals. Smith BB, Pearson EG, Kaneps AJ. Completed in 1986. Results reported at Conference of Research Workers in Animal Disease, Chicago, Illinois, 1986.

Reversal of xylazine sedation in llamas with doxapram or 4-aminopyridine and yohimbine. Riebold TW, Kaneps AJ, Schmotzer WB. Funded by the College of Veterinary Medicine, Oregon State University. Results published in *Journal of the American Veterinary Medical Association* 189:1059-1061, 1986.

Evaluation of amino acid concentrations in skeletal muscle of growing lambs. Neil Forsberg, coordinator of project in the Department of Animal Science, Oregon State University. Completed in 1987.

Selenomethionine metabolism in primates. Whanger PD, Kaneps AJ, Patton NE. Collaboration with Department of Agricultural Chemistry, Oregon State University. Completed in 1987. Results published in *The Journal of Nutrition* 120:751-759, 1990.

Etiology of osseous bodies of the third phalanx in Thoroughbred foals. O'Brien TR, Kaneps AJ, Stover SM, Pool RR, Redden R. Funded by the Equine Research Laboratory, UC Davis. Completed in 1992. Results presented at the 1992 American Association of Equine Practitioners annual meeting, published in *Equine Veterinary Journal* 25:285-292, 1993.

Computed tomography and magnetic resonance imaging of osseous bodies of the distal phalanx of foals. O'Brien TR, Kaneps AJ, Koblik PD, Freeman D, Stover SM. Funded by the Equine Research Laboratory, UC Davis. Results presented at 21st Annual Veterinary Orthopedic Society meeting, 1994 and published in *Vet Radiol and Ultrasound* 1995;36:467-477.

The effect of hoof trimming on the occurrence of distal phalanx palmar process fractures in foals. O'Brien TR, Kaneps AJ, Stover SM. Funded by the Equine Research Laboratory, UC Davis. Completed in 1994. Results presented at the American Association of Equine Practitioners, 1995 and accepted for publication in *Equine Vet J*, 1998.

The effect of disuse and reloading on subchondral trabecular bone in dogs. Lane NE, Kaneps AJ, Stover SM. Funded by the National Aeronautics and Space Administration, 1993-1995. Preliminary results presented at the Orthopaedic Research Society annual scientific meeting, February 1995; additional results presented at the American Society for Bone and Mineral Research Annual Scientific Meeting, September 1995. Results published in: *Calcif Tiss Intl* 1996;59:401-406 and *Bone* 1997;21:419-423.

COMMITTEE AND OTHER RESPONSIBILITIES

Swedish University of Agricultural Sciences, Faculty of Veterinary Medicine and Animal Sciences, Uppsala, Sweden: Doctoral examination committee for Anna Bergh; September, 2006.

American College of Veterinary Sports Medicine and Rehabilitation

Organizing committee for this new veterinary specialty college: 2006-2010.

This specialty was granted provisional recognition by the AVMA in 2010 with full recognition achieved in 2018.

Equine Regent, Board of Directors, ACVSMR: 2010-2013.

Co-chair, Examination Committee: 2010-2015.

Co-chair, Continuing Education Committee: 2011-2014.

ACVSMR representative to the American Board of Veterinary Specialties committee of the AVMA: 2012-2018.

Vice President: 2013-2014.

President-elect: 2014-2015.

President: 2015-2016.

Past President: 2016-2017.

Equine Rehabilitation Training Course: University of Tennessee

With Steve Adair we coordinated the ~125 hour curriculum for training of veterinarians, veterinary technicians and physical therapists in equine rehabilitation. The course is offered in two modules. The designation Certified Equine Rehabilitation Practitioner (CERP) is awarded to attendees after completion of the course, submission of case reports and the successful completion of an examination. The course has been offered since 2005.

Sixth International Symposium on Veterinary Rehabilitation and Physical Therapy

August 2010, Auburn University. Planned, organized speakers and moderated the equine lecture track.

American College of Veterinary Surgeons

ACVS large animal liaison for the European College of Veterinary Surgeons 2010 examination.

Examination committee: 2006 - 2009.

Section chair for Equine General session of 1999 ACVS Symposium.

Editorial Review Board for Veterinary Surgery: 1999 - 2001.

The Ohio State University

College of Veterinary Medicine

Search committee for Small Animal Surgeon: November 2000 – June 2002.

Strategic Planning: Clinical and Applied Programs Task Force: October 2000.

Search committee for Radiologist: September 2000 - November 2001.

Search committee for Trueman Endowed Chair in Equine Medicine and Surgery: July 2000 – December 2001.

Search committee for Equine Orthopedic Surgeon: February – August 2002.

Graduate School

Major professor for W. Wesley Sutter, D.V.M.. Masters of Science degree candidate; September 2001 – 2003.

Masters of Science degree committee for Kate Alexander, D.V.M.; 2002 - 2003.

Oregon State University

College of Veterinary Medicine

Research Committee: 1997 - 1999.

Continuing Education Committee: 1997 - 1999.

Public Relations Committee: 1998 - 1999.

Phi Zeta Research Day organizing committee: 1998 - 1999.

Veterinary Teaching Hospital Technician liaison: 1997 - 1999.

University

Faculty Senate: 1999.

Graduate student committee member:

Waleed F. Manzour: doctoral degree candidate in Sports Medicine/Human Performance, 1998 - 1999.

Jin-Young Choi: master's degree candidate in Toxicology, 1997 - 1998.

Oregon Veterinary Medical Association

Membership Task Force (representing College of Veterinary Medicine faculty): 1998.

ad hoc Manuscript review:

American Journal of Veterinary Research

Journal of the American Veterinary Medical Association

Veterinary Surgery

Equine Veterinary Journal

Equine Veterinary Education

Journal of Equine Veterinary Science

Canadian Veterinary Journal

Sixth International Conference on Equine Exercise Physiology: 2009-2010.

American College of Veterinary Surgeons: 2010 large animal orthopedic scientific abstracts

PROFESSIONAL INTERESTS:

Sports medicine and rehabilitation; orthopedic and general equine surgery; equine tendon and ligament disorders.