

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors in the order listed on Form Page 2. Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Kieves, Nina R	POSITION TITLE Assistant Professor of Small Animal Orthopedic Surgery
eRA COMMONS USER NAME (credential, e.g., agency login)	

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)

INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
Middlebury College	BA	05/02	Biology, Chemistry
University of Minnesota	DVM	05/09	Veterinary Medicine

A. Personal Statement

I am an Assistant Professor of Small Animal Orthopedic Surgery in the department of Veterinary Clinical Sciences at OSU. I am double boarded in small animal surgery as well as canine sports medicine and rehabilitation. As director of the Comparative Orthopedics & Biomechanics Laboratory and Chief of the Small Animal Rehabilitation Service at OSU my research interests lie in minimally invasive surgery and kinetics of sporting dogs.

B. Positions and Honors

Positions and Employment

- Oct 2015, Assistant Professor, College of Veterinary Medicine, Small Animal Surgery, The Ohio State University
- Jul 2014 - Jul 2015, Fellow, Canine Performance Medicine & Surgery, Colorado State University
- Jul 2011 - Jul 2014, Chief Resident, Small Animal Surgery Resident, Iowa State University
- Jul 2010 - Jul 2011, Surgical Intern, Veterinary Orthopedic & Sports Medicine Group
- Jun 2009 - Jun 2010, Small Animal Intern, Small Animal Intern, University of Minnesota
- Feb 2003 - Sep 2004, Marketing Coordinator, Motoprime Motorsports LLC

Other Experience and Professional Memberships

- Veterinary Orthopedic Society, Member, Jan 2009. Board of Directors 2017-Present.
- American Veterinary Medical Association, Member, Sep 2005. Future Leaders Program, Member, Jul 2013 - Jul 2014
- American Animal Hospital Association, Member, Sep 2005. Bylaws Task Force, Member, Jun 2012 - Mar 2013 Education Committee, Chair, Jun 2013-Present.
- Veterinary Society of Surgical Oncology, Member, Jan 2011.
- AO Vet, Member, Jan 2011. Faculty 2015-Present.
- American College of Veterinary Surgeons, Diplomat, Feb 2015. Assistant Director Continuing Education, Officer, Oct 2015.
- American Canine Sports Medicine Association, Member, Sep 2015.
- American Association of Rehabilitation Veterinarians, Member, Dec 2015.
- American College of Veterinary Sports Medicine Rehabilitation, Diplomat, Feb 2016.
- Arthrex Vet Systems, Instructor, Apr 2016.

Honors

- Mar 2001, NESCAC All-Academic, New England Small College Athletic Conference

May 2001, Omega Alpha Female Leadership Award, Omega Alpha
Sep 2005, Class President, University of Minnesota, University of Minnesota
Apr 2006, CVM Student Council Award, University of Minnesota
Apr 2006, Caleb Dorr Scholarship, University of Minnesota
Apr 2007, Nestle Purina Leadership Award, Nestle Purina
Apr 2007, Caleb Dorr Scholarship, University of Minnesota
Apr 2007, Augustus Searles Scholarship, Augustus Searles
Apr 2008, Simmons Associates Educational Trust Fund Scholarship Award;, Simmons Associates
Apr 2008, Phi Zeta, University of Minnesota;
Apr 2008, John Sheehan Minneapolis Kennel Club Award, John Sheehan
Jan 2009, National Simmons Associates Educational Trust Fund Scholarship Award, Simmons & Associates
Apr 2009, Caleb Dorr Scholarship, University of Minnesota
Apr 2009, Caleb Dorr Medal, University of Minnesota
Apr 2009, American College of Veterinary Surgeons Proficiency Award, American College of Veterinary Surgeons
Mar 2015, Mark Bloomberg Resident Research Award, Veterinary Orthopedic Society
Jan 2016, Most Outstanding Resident Publication, Veterinary Comparative Orthopaedics & Traumatology

C. Selected Peer-reviewed Publications

Journal Articles

1. Kieves NR, Zellner E, Krebs IA. "Ex vivo leak pressures for single-layer simple interrupted, simple continuous, modified Gambee and skin staples for jejunal enterotomy closure in a canine model." J Am Anim Hosp Assoc.. (Forthcoming).
2. Kieves NR, Krebs IA. "Comparison of ex vivo leak pressures for cystotomy closure using barbed and monofilament suture material in a canine model." Vet Surg. 2017 Feb 8. doi: 10.1111/vsu.12632
3. Kieves NR, Roark AW, Sparks TK. "Business education in veterinary schools: The potential role of the Veterinary Business Management Association." J Vet Med Educ. Vol. 34, no. 5. (Jan 2007): 678-682. (0.53) (Published).
4. Kieves NR, Novo RE, Martin RB. "Vaginal resection and anastomosis for treatment of vestibulovaginal stenosis in 4 dogs with recurrent urinary tract infections." J Am Vet Med Assoc. Vol. 239, no. 7. (Oct 2011): 972-980. (1.79) (Published).
5. Kieves,NR, Lotsikas, PJ, Schulz, KS, et al. "Hip Toggle Stabilization Using the TightRope (R) System in 17 Dogs: Technique and Long-Term Outcome." Vet Surg. Vol. 43, no. 5. (Jul 2014): 515-522. (0.99) (Published).
6. Slovak JE, Kieves NR, Haynes J. "A Foreign Body Induced Granuloma Extra-skeletal Osteosarcoma." J Am Anim Hosp Assoc. Vol. 51, no. 5. (Jan 2015): 315-9.
7. Makielski KM, Kieves NR, Gilmour LJ et al. "What Is Your Diagnosis? Severe spontaneous tension pneumothorax in a cat." J Am Vet Med Assoc. Vol. 246, no. 1. (Jan 2015): 55-7.
8. Kieves NR, MacKay CS, Adduci K, et al. "High Energy Focused Shock Wave Therapy Accelerates Bone Healing. A Blinded, Prospective, Randomized Canine Clinical Trial." Vet Comp Orthop Traumatol. Vol. 28, no. 6. (Nov 2015): 425-32. (Published).
9. Kieves NR, Lundberg AP, Wilke VL. "Comparative Gene Approach to the Investigation of SNPs Within the Tenascin-C Gene in Achilles Tendon Injury in the Canine Patient." Veterinary Evidence. Vol. 1, no. 3. (Apr 2016): online.
10. Bascuñán AL, Kieves NR, Goh C, Hart J, Regier P, Rao s, Foster S, Palmer R, Duerr FM. "Evaluation of Factors Influencing Thigh Circumference Measurement in Dogs." Veterinary Evidence. Vol. 1, no. 2. (May 2016): online.
11. Zellner EM, Hedlund CS, Kraus KH, Burton AF, Kieves NR. "Comparison of tensile strength among simple interrupted, cruciate, intradermal, and subdermal suture patterns for incision closure in ex vivo canine skin specimens." J Am Vet Med Assoc. Vol. 248, no. 12. (Jun 2016): 1377-82.

12. Freund KA, Kieves NR, Hart JL, et al. "Assessment of novel digital and smartphone goniometers for measurement of canine stifle joint angles." *Am J Vet Res.* Vol. 77, no. 7. (Jul 2016): 749-55.
13. Hart JL, May KD, Kieves NR, et al. "Comparison of Pet-Owner Satisfaction with Stifle Orthoses or Tibial Plateau Leveling Osteotomy for the Management of Cranial Cruciate Ligament Disease in Medium to Large Breed Dogs." *J Am Vet Med Assoc.* Vol. 249, no. 4. (Aug 2016): 391-8.
14. Kieves NR, Bergh MS, Zellner E, Wang C. "Pilot Study Measuring the Effects of Bandaging and Cold Compression Therapy Following Tibial Plateau Levelling Osteotomy." *J Small Anim Pract.* Vol. 57, no. 10. (Oct 2016): 543-547.

Conference Papers and Proceedings

D. Research Support

Ongoing Research Support

- Mar 2015 Aarnes TK, Dyce J, "A novel analgesic drug, taptentadol, for the treatment of pain in dogs with clinical osteoarthritis" The Ohio State University. \$9,700 (USD). Collaborator.
- Jan 2015 Turner HS, Kieves NR, Easley JT, Palmer RH, Lambrechts NE., "A Comparison of Lumbosacral Stabilization via three Methods in the Canine." Colorado State University Center for Companion Animal Studies Young Investigator Grant. \$3,000 (USD). Principal Investigator.
- Jun 2016 Kieves NR, "Comparison of preoperative analgesic protocols and evaluation of chronic neuropathic pain state in dogs undergoing TPLO" The Ohio State University. \$24,910 (USD). Principal Investigator.
- Jun 2016 Moore S, "Diagnosing and managing neuropathic pain in dogs with spinal cord injury" Gray Lady Foundation. \$37,000 (USD). Collaborator.

Completed Research Support

- Apr 2013 Kieves NR, Zellner E, Krebs IA., "Ex vivo holding strength at enterotomy sites using single-layer simple interrupted, simple continuous, modified Gambee, or skin staples in a canine model." Iowa State University College of Veterinary Medicine. Principal Investigator.
- Sep 2013 Kieves NR, Thomsen DA, Krebs IA., "Comparison of ex vivo leak pressures for single-layer enterotomy closure between novice and trained participants." Iowa State University College of Veterinary Medicine. \$540 (USD). Principal Investigator.
- Sep 2009 - May 2014 Kieves NR, Lundberg AP, Wilke V., "Candidate gene analysis for association of the tenascin C gene and variant of collagen V alpha 1 with Achilles tendon injury in dogs (recruitment study)." University of Minnesota Surgical Research Laboratory. Principal Investigator.
- Jun 2014 - Aug 2014 Freund KA, Kieves NR, Duerr FA., "Assessment of novel digital and smartphone goniometers for joint angle measurement of the canine stifle; a cadaveric study." Colorado State University Department of Clinical Sciences. Co-Investigator.