



**Prof. Sun Young Kim**

Assistant Professor  
Michigan State University

**OFFICE ADDRESS**

Veterinary Medical Center G206  
Michigan State University  
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**CURRENT POSITION**

Assistant Professor of Small Animal Orthopedics  
Michigan State University

**EDUCATION**

- 09/2002 – 06/2004     PhD course work, Veterinary Science  
College of Veterinary Medicine, Seoul National University, Seoul,  
Korea
  
- 03/2000 – 08/2002     MS, Veterinary Science  
College of Veterinary Medicine, Seoul National University, Seoul,  
Korea
  
- 03/1993 – 02/2000     DVM, Veterinary Medicine  
College of Veterinary Medicine, Seoul National University, Seoul,  
Korea

**POSTGRADUATE CLINICAL TRAINING**

- 10/2009 – 09/2012     Small Animal Surgery Resident  
Veterinary Medical Teaching Hospital, University of California,



Asian Meeting of  
Animal Medicine Specialties 2017  
11~12 November 2017, EXCO, Daequ, Korea

- Davis, CA
- 07/2008 – 06/2009 Small Animal Medicine and Surgery Intern  
Veterinary Medical Center, University of Florida, Gainesville, FL
- 07/2004 – 06/2005 Small Animal International Surgical Fellow  
Veterinary Teaching Hospital, Michigan State University, East  
Lansing, MI
- 03/2000– 12/2003 House officer, Small Animal Surgery  
Veterinary Teaching Hospital, Seoul National University, Seoul,  
Korea

**PROFESSIONAL EMPLOYMENT**

- 06/2015 – Present Assistant Professor of Small Animal Orthopedics  
Small Animal Clinical Sciences, College of Veterinary Medicine,  
Michigan State University, East Lansing, MI
- 10/2012 – 05/2015 Assistant Professor of Clinical Small Animal Surgery -  
Orthopedics  
Surgical and Radiological Sciences, School of Veterinary  
Medicine, University of California, Davis, CA
- 10/2009 – 09/2012 Small Animal Surgery Resident  
Veterinary Medical Teaching Hospital, University of California,  
Davis, CA
- 07/2008 – 06/2009 Small Animal Medicine and Surgery Intern  
Veterinary Teaching Hospital, University of Florida, Gainesville,  
FL
- 11/2005 – 06/2008 Junior Specialist  
Surgical and Radiological Sciences, School of Veterinary  
Medicine, University of California, Davis, CA
- 07/2005 – 10/2005 Research Associate

**AMAMS 2017 Secretariat**

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Asian Meeting of  
Animal Medicine Specialties 2017  
11~12 November 2017, EXCO, Daequ, Korea

- Small Animal Clinical Science, College of Veterinary Medicine,  
Michigan State University, East Lansing, MI
- 07/2004 – 06/2005      Small Animal International Surgical Fellow  
Small Animal Clinical Sciences, College of Veterinary Medicine,  
Michigan State University, East Lansing, MI
- 01/2004 – 06/2004      Staff Veterinarian (Small Animal Surgery)  
Veterinary Teaching Hospital, Seoul National University, Seoul,  
Korea
- 03/2001 – 12/2003      House officer in Small Animal Surgery  
Veterinary Teaching Hospital, Seoul National University, Seoul,  
Korea
- 05/2000 – 04/2002      Research Assistant  
College of Veterinary Medicine, Seoul National University, Seoul,  
Korea
- 05/2000 – 02/2001      Adjunctive Research Veterinarian  
Hepahope Inc (Korean branch). Irvine, CA
- 03/2000 – 02/2001      Small Animal Clinical Intern  
Veterinary Teaching Hospital, Seoul National University, Seoul,  
Korea
- 03/1998 – 11/1998      Laboratory Assistant  
College of Veterinary Medicine, Seoul National University, Seoul,  
Korea

## PUBLICATIONS

### *Refereed Journals*

- 1) **Sun Young Kim**, Kyle A. Snowdon, Charlse E. DeCamp. Single oblique osteotomy for correction of antebrachial angular and torsional deformities in a

### AMAMS 2017 Secretariat

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dog. J Am Vet Med Assoc (In Press)

- 2) Amy S Kapatkin, Barbro Nordquist, Tanya C Garcia, Maureen A Griffin, Alain Theon, **Sun Kim**, Kei Hayashi. Effect of single dose radiation therapy on weight-bearing pain and lameness in dogs with elbow osteoarthritis. Vet Comp Orthop Trau 29(4):338-343, 2016
- 3) William T.N. Culp, Ingrid M. Balsa, **Sun Y. Kim**, Graig B. Glaiberman, Millie Grimes, Philipp D. Mayhew, Eric G. Johnson, Carrie A. Palm, Tanya Garcia, Philip H. Kass. Description and biomechanical comparison of a percutaneous radiologic gasgtropexy technique in a canine model. Vet Surg 45(4):536-41, 2016
- 4) Jennifer Ree, Kei Hayashi, Jacqueline Woelz, **Sun Young Kim**. Use of physical therapy in a dog with bilateral severe plantigrade stance. J Am Anim Hosp Assoc 51 (1):31-5, 2015
- 5) A.S. Kapatkin, J.Y. kim, K. Hayashi, T.C. Garcia-Nolan, **S. Kim**, P.L.Hitchens, S.M. Stover. Modification of the contact area of a standard force platform and runway for small breed dogs. Vet Comp Orthop trau 27(4):257-62, 2014
- 6) Jitender Bhandal, Kei Hayashi, **Sun-Young Kim**, Martha Klein, Alice Wong, Chrisoula Toupadakis, Peter Muir, Clare Yellowley. Detection of bacterial DNA by PCR in dogs with stifle pathology. Vet Surg 42(7):814-8, 2013
- 7) James Y Kim, Kei Hayashi, Tanya C Garcia, **Sun-Young Kim**, Rachel Entwistle, Amy S Kapatkin, Susan M. Stover. Biomechanical evaluation of screw-in femoral implant cementless total hip system. Vet Surg 41:94-102, 2012
- 8) Barbro Norquist, **Sun-Young Kim**, Kei Hayashi, Amy S. Kapatkin. Effects of trial repetition, leg side, intraday and interweek variation on vertical and craniocaudal ground reaction forces in clinically normal Labrador Retrievers. Vet Comp Orthop trau 24(6):435-44 2011
- 9) **Sun-Young Kim**, James Y Kim, Kei Hayashi, Amy S Kapatkin. Skin movement

- in the kinematic analysis of canine pelvic limb. *Vet Comp Orthop Traumatol* 24: 326-332, 2011.
- 10) Kei Haysahi, Jitender Bhandal, Carlos Rodriguez, **Sun-Young Kim**, Rachel Entwistle, Diane Naydan, Amy Kapatkin, Susan Stover. Vascular distribution in ruptured canine cranial cruciate ligament. *Vet Surg* 40: 198-203, 2011
  - 11) Kei Haysahi, Jitender Bhandal, **Sun-Young Kim**, Carlos Rodriguez, Rachel Entwistle, Diane Naydan, Amy Kapatkin, Susan Stover. Immunohistochemical and histomorphometric evaluation of vascular distribution in intact canine cranial cruciate ligament. *Vet Surg* 40: 192-197, 2011
  - 12) Kate A. Margalit, Kei Hayashi, Josh Jackson, **Sun-Young Kim**, Tanya C. Garcia, K. Tomo Wiggans, Sean Aiken and Susan M. Stover. Biomechanical Evaluation of Acetabular Cup Implantation in Cementless Total Hip Arthroplasty. *Vet Surge* 39: 818-823, 2010
  - 13) Adam Prink, Kei Hayashi, **Sun-Young Kim**, James Kim, Amy Kapatkin. Evaluation of a collagenase generated osteoarthritis biomarker in the synovial fluid from elbow joints of dogs with medial coronoid disease and unaffected dogs. *Vet Surg* 39: 65-70, 2010
  - 14) Jacob J. Setterbo, Tanya C. Garcia-Nolen, Ian P. Campbell, Jennifer L. Reese, Jessica M. Wade, **Sun Y. Kim**, Susan M. Stover. Hoof accelerations and ground reaction forces of Thoroughbred racehorses measured on dirt, synthetic, and turf track surfaces. *AJVR* 70(10): 1220-1229, 2009
  - 15) Setterbo JJ, Garcia TC, Campbell IP, **Kim SY**, Hubbard M, Stover SM. Forelimb kinematics of galloping Thoroughbred racehorses measured on dirt, synthetic, and turf track surfaces. *The Engineering of Sport* 7 2008, 437-446
  - 16) Kei Hayashi, **Sun-Young Kim**, Jennifer L. Lansdown, Amy Kapatkin, Loic M. Dejardin. Evaluation of a collagenase generated osteoarthritis biomarker in naturally occurring canine cruciate. *Vet Surg* 37: 674-678, 2008

- 17) Matthew J. Ritter, Ruby L. Perry, N. Bari Olivier, **Sun Young Kim**, Loic M. Déjardin. Tibial plateau symmetry and the effect of osteophytosis on tibial plateau angle measurements. J Am Anim Hosp Assoc 43: 93-98, 2007
- 18) Se-wook Um, Min-Su Kim, Ji-Hey Lim, **Sun Young Kim**, Kang-Moon Seo, Tchi-Chou Nam. Thermographic evaluation for the efficacy of acupuncture on induced chronic arthritis in the dog. J Vet Med Sci 67: 1283-1284, 2005
- 19) Wan-Tae Kim, Min-Su Kim, **Sun Young Kim**, Kang-Moon Seo, Tchi-Chou Nam. Use of digital infrared thermography on experimental spinal cord compression in dogs. J Vet Clin 22: 302-308, 2005
- 20) **Sun Young Kim**, Min-Su Kim, Kang-Moon Seo, Tchi-Chou Nam. Effect of the combination of electroacupuncture and surgical decompression on experimental spinal cord injury in dogs. J Vet Clin 22: 297-301, 2005
- 21) So Young Jung, Min-Su Kim, **Sun Young Kim**, Kang-Moon Seo, Tchi-Chou Nam. Anesthetic effects of medetomidine-tiletamine/zolazepam combination in Green Iguanas (*Iguana iguana*). J Vet Clin 22: 194-197, 2005
- 22) Min-Su Kim, **Sun Young Kim**, Kang-Moon Seo, Tchi-Chou Nam. Acupuncture treatment for acute torticollis in a dog. J Vet Clin 21: 395-397, 2004
- 23) **Sun Young Kim**, Seong Mok Jeong, Kang-Moon Seo, Tchi-Chou Nam. Kinetic gait analysis of a dog with knee osteoarthritis treated with acupuncture. J Vet Clin 20: 504-507, 2003
- 24) Hee-Young Kim, In-Sop Shim, Hye-Jung Lee, Seong Mok Jeong, **Sun Young Kim**, Tchi-Chou Nam. Effects of traditional acupuncture on colonic motility in the rat with colitis. J Vet Clin 20: 22-25, 2003
- 25) Tchi-Chou Nam, **Sun Young Kim**, Seong Mok Jeong, Wan Tai Kim, Jung Whan Yang, Hui Young Kim. Effects of electroacupuncture on intestinal motility in dogs. J Vet Clin 19: 204-206, 2002

- 26) Tchi-Chou Nam, **Sun Young Kim**, Seong Mok Jeong, Wan Tai Kim, Jung Whan Yang, Hui Young Kim. Effects of electroacupuncture on gastric motility in dogs. *J Vet Clin* 19: 207-210, 2002
- 27) **Sun Young Kim**, Seong Mok Jeong, Tchi-Chou Nam. Crop burns in an *Ara Macao*. *J Vet Clin Med* 18: 65-66, 2001

*Scientific Abstracts*

- 1) **Sun Young Kim**, Brien T. Torres, Gabriella S. Sandberg, Steven C. Budsberg. The effect of limb position at the time of skin marker application on sagittal plane kinematics of the dog. ACVS Summit, Seattle, WA, October 2016
- 2) Ingrid M. Balsa, William T.N. Culp, Eric G. Johnson, **Sun Young Kim**, Graig B. Glaiberman, Millie Grimes, Philip D. mayhew, Carrie A. Palm, Tanya C. Garcia, Philip H. Kass. Biomechanical and clinical evaluation of interventional radiologic gastropexy techniques in dogs. ACVS Summit, Nashville, TN, October 2015
- 3) **Sun-Young Kim**, Kei Hayashi, Tanya C. Garcia, Amy S. Kapatkin, Susan M. Stover. The effect of tibial plateau leveling osteotomy on patellar tendon strain. VOS conference, Park City, UT, March 2013
- 4) **Sun-Young Kim**, Kei Hayashi, James Y. Kim, Tanya C. Garcia, Amy S. Kapatkin, Susan M. Stover. The effect of tibial plateau leveling osteotomy on the strain of the patellar tendon. ACVS Veterinary Symposium, Chicago, IL, November, 2011
- 5) **Sun-Young Kim**, Charles Bailey, Michael P. Kowaleski, Robert McCarthy, Detlef Apelt. Geometrical evaluation of tibial tuberosity advancement. ACVS Veterinary Symposium, Washington, DC, October, 2009
- 6) James Y. Kim, Kei Hayashi, **Sun Young Kim**, Tanya C. Garcia, Amy S. Kapatkin, Susan M. Stover,. Biomechanical evaluation of helical femoral implant in cementless total hip system. ACVS veterinary symposium, Washington, DC,

October, 2009

- 7) **Kim SY**, Kim JY, Hayashi K, Kapatkin AS. Effect of the skin movement over the stifle joint on kinematic analysis of the hind limb during trot on a treadmill in dogs. VOS conference, Steamboat Spring, CO, March 2009
- 8) JJ Setterbo, T Garcia-Nolen, **S Kim**, I Campbell, T Johnson, S Stover. Forelimb kinematics of galloping Thoroughbred racehorses measured on dirt, synthetic, and turf racetrack surfaces. International Sport Engineering Association Conference, Biarritz, June 2008
- 9) Margalit KA, Hayashi K, **Kim SY**, Garcia-Nolen TC, Stover SM, Aiken S, Jackson J. Biomechanical evaluation of acetabular cup implantation in cementless total hip arthroplasty. VOS symposium, Big Sky, MO, March 2008
- 10) JL Lansdowne, K Hayashi, **SY Kim**, LM Déjardin. Evaluation of collagen derived osteoarthritis biomarker in naturally occurring canine cruciate disease. ACVS symposium, Chicago, IL, October 2007
- 11) Tchi-Chou Nam, **Sun Young Kim**, Kang-Moon Seo, Min-Su Kim. Recent trends of Korean traditional veterinary medicine. The 13<sup>th</sup> Federal Asian Veterinary Association Congress, Seoul, Oct 2004
- 12) **Sun Young Kim**, Kang-Moon Seo, Oh-Kyeong Kweon, Tchi-Chou Nam. Kinetic evaluation of gait in a dog with knee osteoarthritis treated with acupuncture. Annual Meeting of Korean Veterinary Clinical Medicine Association, Seoul, November 2003
- 13) Tchi-Chou Nam, Kang-moon Seo, **Sun Young Kim**, Seong Mok Jeong, Wan Tai Kim, Jung Whan Yang, Hui Young Kim. Effects of electric acupuncture on small intestinal motility in dogs. The 28<sup>th</sup> World Congress of the World Small Animal Veterinary Association, Bangkok, Oct 2003
- 14) **Sun Young Kim**, Tchi-Chou Nam. Current trend of complimentary veterinary medicine in Korea. Annual meeting of Korean Traditional Veterinary Medicine,



Daejeon, December 2002

- 15) Tchi-Chou Nam, **Sun Young Kim**, Seong Mok Jeong, Wan Tai Kim, Jung Whan Yang, Hui Young Kim. Effects of electroacupuncture on gastric motility in dogs. The 12<sup>th</sup> Federal Asian Veterinary Association Congress, Perak, Aug 2002
- 16) **Sun Young Kim**, Seong Mok Jeong, Chung-Ho Lee, Tchi-Chou Nam. Congenital esophageal hiatal hernia in a cat. Annual Meeting of Korean Veterinary Clinical Medicine Association, Daegu, May 2001
- 17) **Sun Young Kim**, Seong Mok Jeong, Chung-Ho Lee, Oh-Kyeong Kweon, Tchi-Chou Nam. Clinical use of somatosensory evoked potentials in dogs with hindquarter paralysis. Annual Meeting of Korean Veterinary Clinical Medicine Association, Daejeon, November 2000

*Non-Refereed Publications*

- 1) **Sun Young Kim**, Jeraldine Hunt. Reconstruction of manus using phalangeal fillet in a dog. Veterinary Wound Management Society news letter, 2011.

**VETERINARY LICENSURE** Republic of Korea

**PROFESSIONAL AFFILIATION**

- 1) American College of Veterinary Surgery
- 2) AOVET
- 3) AO North America – Faculty
- 4) Asian Society of Veterinary Surgery
- 5) International Society for Computer Assisted Orthopedic Surgery