

Julia Tomlinson

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Professional Experience

August 2007 – Present

Owner ('07-'20), Managing Director ('20-present), Twin Cities Animal Rehabilitation & Sports Medicine Clinic

- Canine and feline rehabilitation & sports medicine specialty clinic
- Site of training internships for rehabilitation practitioners.
- Resident supervisor – American College of Veterinary Sports Medicine & Rehabilitation

2020 - Present

Founding Partner of the practice group, Veterinary Rehabilitation and Orthopedic Medicine Partners

2019 – Present

Adequan Canine Advisory Board, American Regent Animal Health

- Consultant

2014-Present

Lecturer, Healing Oasis Massage & Rehabilitation Certification Course

2010-Present

Reviewer, Scientific Articles

- Journal of the American Veterinary Medical Association, American Journal of Veterinary Research
- Veterinary Clinical Orthopedics and Traumatology
- Veterinary Surgery
- New Zealand Veterinary Journal
- Comparative Exercise Physiology
- BMC Veterinary Research

2009-2013

Iams/P&G Petcare Pet Wellness Council

- Consultant on musculoskeletal wellness. Focus on healthy aging.

2007

Founder, American Association of Rehabilitation Veterinarians

Dec 2006 – Mar 2008 Minnesota School of Business

Veterinary Technician Instructor

Aug 2006 – Dec 2008. Twin Cities, Minnesota

Emergency clinician (Relief) – Affiliated Emergency Veterinary Service

Sept 2005 – Aug 2006. Little Rock, Arkansas

Emergency clinician – Animal Emergency and Specialty Clinic

Jan 2005 – Aug 2005

Relief work – Small Animal and Equine, Mississippi

- Diagnostic ultrasound during time at Mississippi State.

Mar 2004 – Jan 2005: Mississippi State University

Clinical Instructor in Equine Surgery

Nov 2002 – Mar 2004: Southern Pines Equine Associates, NC

Consultant Surgeon (Equine)

- Consultant on orthopedic cases, principal ultrasonographer.

Jul 2001 – Mar 2004: North Carolina State University

Graduate Research Assistant & Emergency Surgeon (Equine)

- Completed doctorate. Provided emergency coverage. In-clinic teaching of students.

Jul 1998 - 2001: University of Minnesota

Equine Surgery Resident

- Obtained Masters degree with ultrasound study of sacroiliac issues in horses.

Jul 1997 - 1998: North Carolina State University

Equine Field Service Intern

- Practice based internship

Dec 1996 - Jun 1997: Anvil Veterinary Clinic, Sussex, England

Associate Veterinarian

- Equine ambulatory practice

Sept 1996- Dec 1996: England

Relief Veterinarian

- Small animal relief work

Education

Diplomate, American College of Veterinary Sports Medicine & Rehabilitation

May 2012, Clinical Degree, American College of Veterinary Sports Medicine & Rehabilitation

Certification in Canine Trigger Point Therapy (CTPT) Feb 2011. Myopain Seminars, Woodlands TX

Certification in Veterinary Spinal Manipulation ('chiropractic') May 2009, Healing Oasis Wellness Center, WI

Certification in Canine Rehabilitation Jan 2008. University of Tennessee

Doctorate in Physiology - NSAIDS and the GI tract May 2004. North Carolina State University

Diplomate, Large Animal Surgery Feb 2002. Clinical Degree. American College of Veterinary Surgeons

Master of Science – Imaging Equine Sacroiliac Region Jun 2001. University of Minnesota

Bachelor of Veterinary Science Summa Cum Laude Jun 1996. Liverpool University, England

Honors

2013 John Sherman Award for Excellence in the Field of Veterinary Rehabilitation
2003 Morris Animal Foundation Fellow
2003 Leroy Coggins Graduate Fellowship Award
2000 University of Minnesota Graduate Travel Award
1992 Edgar Golding Prize in Veterinary Physiology

Professional Organizations

American Association of Rehabilitation Veterinarians: Past President and Founder
American College of Veterinary Sports Medicine & Rehabilitation: Past President (BOD 2014-2018), Continuing education committee 2013-2017
American College of Veterinary Surgeons
American Veterinary Medical Association
International Veterinary Academy of Pain Management
Minnesota Veterinary Medical Association: Continuing education committee 2015-2019

Scientific Publications

h index rating: 16. i10 index rating: 18

Weber MA, Manfredi JM, **Tomlinson JE**. Use of acoustic myography to evaluate forelimb muscle function in retriever dogs carrying different mouth weights. *Front Vet Sci.* 2022;9:983386. Published 2022 Nov 16. doi:10.3389/fvets.2022.983386

Varcoe GM, Manfredi JM, **Tomlinson JE**, Jackson A. Effect of Tibial Plateau Leveling Osteotomy and Rehabilitation on Muscle Function in Cruciate-Deficient Dogs Evaluated with Acoustic Myography. *Comparative Exercise Physiology* 17(5): 435 - 445

Varcoe GM, **Tomlinson JE**, Manfredi JM. Owner Perceptions of Long-Term Systemic Use of Subcutaneous Administration of Polysulfated Glycosaminoglycan. *J Am Anim Hosp Assoc.* 2021 Aug 9. doi: 10.5326/JAAHA-MS-7101

Kirkby Shaw K, Alvarez L, Foster SA, **Tomlinson JE**, Shaw AJ, Pozzi A. Fundamental Principles of Rehabilitation and Musculoskeletal Tissue Healing. *Veterinary Surgery* 2020;49:22-32

Tomlinson JE, Manfredi JM. Return to sport after injury, a web-based survey of agility dogs. *Vet Comp Orthop Traumatol* 2018 Nov;31(6):473-478.

Bellows J, Colitz CM, Daristotle L, Ingram DK, Lepine A, Marks SL, Sanderson SL, **Tomlinson J**, Zhang J. Common physical and functional changes associated with aging in dogs. *J Am Vet Med Assoc.* 2015 Jan 1;246(1):67-75.

Bellows J, Colitz CM, Daristotle L, Ingram DK, Lepine A, Marks SL, Sanderson SL, **Tomlinson J**, Zhang J. Defining healthy aging in older dogs and differentiating healthy aging from disease. *J Am Vet Med Assoc.* 2015 Jan 1;246(1):77-89

Tomlinson JE, Manfredi JM. Evaluation of application of a carpal brace as a treatment for carpal ligament instability in dogs: 14 cases (2008–2011). *J. Am. Vet. Med. Assoc* 2014; 244(4)

Little D, **Tomlinson JE**, Blikslager AT. Post operative neutrophilic inflammation in equine small intestine after manipulation and ischemia. *Equine Vet J.* 2005 37(4):329-35

Tomlinson JE, Blikslager AT. Effects of cyclooxygenase inhibitors flunixin and deracoxib on permeability of ischaemic-injured equine jejunum. *Equine Vet J.* 2005;37(1):75-80.

Tomlinson JE, Blikslager AT. Effects of ischemia and the cyclooxygenase inhibitor flunixin on in vitro passage of lipopolysaccharide across equine jejunum. *Am J Vet Res.* 2004;65(10):1377-83.

Tomlinson JE, Wilder BO, Young KM, Blikslager AT. Effects of flunixin meglumine or etodolac treatment on mucosal recovery of equine jejunum after ischemia. *Am J Vet Res.* 2004;65(6):761-9.

Julia Tomlinson, Anthony Blikslager. Veterinary Medicine Today: Interactions between lipopolysaccharide and the intestinal epithelium. *J. Am. Vet. Med Assoc* 2004;224:1446-52

Julia Tomlinson, Anthony Blikslager. Topics in Drug Therapy: Role of Nonsteroidal Anti-inflammatory Drugs in Gastrointestinal Injury and Repair. *J. Am. Vet. Med Assoc* 2003; 222:946-51

Tomlinson JE, Sage AM, Turner TA. Ultrasonographic Abnormalities Detected in the Sacroiliac Area in Twenty Cases of Upper Hindlimb Lameness. *Equine. Vet J.* 2003;35:48-54

Tomlinson JE, Redding WR, Berry C, Smallwood JE. Computed tomographic anatomy of the equine tarsus. *Vet Radiol Ultrasound.* 2003;44(2):174-8.

Tomlinson JE, Sage AM, Turner TA, Feeney DA. Detailed Ultrasonographic Mapping of the Normal Equine Pelvis. *Am. J Vet. Res.* 2001;62:1768-75

Malone ED, Farnsworth K, Lennox T, **Tomlinson J**, Sage AM. Thoracoscopic-assisted diaphragmatic hernia repair using a thoracic rib resection. *Vet Surg.* 2001 Mar-Apr;30(2):175-8.

Tomlinson JE, Sage AM, Farnsworth KF, Turner TA, Wilson JW. Percutaneous Ultrasound-guided Pyelography Aided Diagnosis of Ectopic Ureter and Hydronephrosis in a 3-week-old filly. *Vet Radiol & Ultrasound.* 2001;42:349-51

Tomlinson JE, Redding WR, Sage A. Ultrasonographic evaluation of tarsocrural joint cartilage in normal adult horses. *Vet Radiol Ultrasound.* 2000 Sep-Oct;41(5):457-60.

Tudor RA, Bowman KF, Redding WR, **Tomlinson JE**. Endoscopic treatment of suspected infectious intertubercular bursitis in a horse. *J Am Vet Med Assoc.* 1998;213(11):1584-5, 1570.

Abstracts

Weber M, Manfredi JM, **Tomlinson JE**. Use of Acoustic Myography to Evaluate Forelimb Muscle Function in Retriever Dogs Carrying Different Mouth Weights. *AARV meeting at the IVAPM Pain Management Forum. Denver Colorado April 2022*

Tomlinson JE. Ultrasound imaging of meniscal tears. *Abstract. Symposium of the American College of Veterinary Sports Medicine & Rehabilitation, ACVS symposium. Seattle WA Oct 2016*

Tomlinson JE. The use of therapeutic ultrasound in the treatment of muscle injuries. *Abstract. Symposium of the American College of Veterinary Sports Medicine & Rehabilitation, ACVS symposium. Nashville TN Oct 2015*

Tomlinson J, Blikslager A. Mucosal recovery from ischemic injury in wildtype and COX-2 knockout mice. *Gastroenterology* 126 (4), A583-A584. *At Digestive Disease Week 2004, New Orleans, Louisiana*

Tomlinson JE, Young KM, Blikslager AT. Selective and nonselective cyclooxygenase inhibitors delay healing of ischemic-injured equine jejunum. *Abstract. Proceedings of the American College of Veterinary Surgeons, 2003 Symposium*

Tomlinson JE, Sage AM, Turner TA. Ultrasonographic Diagnosis of Sacroiliac Disease. *Abstract. Proceedings of the American College of Veterinary Surgeons, 2000 Symposium*

Veterinary Press

Tomlinson J, Nelson M. Conditioning dogs for an Active Lifestyle. **Vet Clinics of North America Small Animal Practice.** 2022 May 10:S0195-5616(22)00037-7. doi: 10.1016/j.cvsm.2022.03.008.

Brown JA, **Tomlinson J**. Rehabilitation of the Canine Forelimb. **Vet Clinics of North America Small Animal Practice.** 2021 Mar;51(2):401-420. doi: 10.1016/j.cvsm.2020.12.005.

Tomlinson JE, Goldberg ME. Editors: Physical Rehabilitation for Veterinary Technicians and Nurses
Wiley Blackwell Publishing Ltd. Dec 2017

Chapter 2 – Joining a Rehabilitation Team. Chapter 9 – Motivating your patient
Chapters 10,12,13 – The Disabled Patient. Chapter 14 – Modalities 1: Thermotherapy
Chapter 21 – Troubleshooting as a Team

Clinical Suite Osteoarthritis at a Glance. Tomlinson JE. **Clinicians Brief May 2014**

Top 5 Pain Medications in Clinical Practice. Tomlinson JE. **Clinicians Brief Sept 2014**

Brown J, Canon M. Editors: **Diagnostic Musculoskeletal Ultrasound for the Small Animal Practitioner**
Wiley Blackwell Publishing Ltd. In Process. Chapter – Diagnostic ultrasound of the hip and pelvic girdle.

Tomlinson JE

TA Turner, **J Tomlinson**. Chapter - **Topical therapeutic modalities**. Journal of Equine Veterinary Science 20
(11), 710-710

Selected Presentations to Veterinarians

Surgical and Rehabilitative Perspectives during the Recovery Period; Diagnosing Forelimb Lameness; Non-surgical Management of Juvenile Elbow Conditions; Non-surgical Management of Elbow OA

ACVSMR track, VMX symposium. Orlando FL, Jan 2023

OA Challenges: It's More Than Just Pain. Clinical signs of canine osteoarthritis do not tell the whole story.

VMX symposium. Orlando FL, Jan 2022

Lifetime management of hip dysplasia

Royal Canin/AARV Virtual CE Feb 2021

Cross vs sports specific training

Improving gait after injury

Healing Oasis Convention Nov 2020

Osteoarthritis – A stiff issue

Hills Webinar Nov 2019

Agility Biomechanics

International Association of Veterinary Rehabilitation & Physio Therapy Symposium, Tennessee Aug 2018

Rehabilitation to manage the pain of osteoarthritis

VMX (NAVC), Orlando FL Feb 2018 and WVC, Las Vegas Mar 2018

Incorporating land treadmill into your rehabilitation plan

Penn Vet Working Dog Center, Feb 2018

Interventional radiology of the lumbosacral region (ultrasound guided injections)

ACVSMR track at ACVS Surgery Summit, Indianapolis, IN Oct 2017

Organizing vestibular disorders

Watch your step – managing distal limb injuries

Symposium on Therapeutic Advances in Animal Rehabilitation, New Jersey April 2017

Laser therapy – pearls of practice

Minnesota Veterinary Medical Association Annual Meeting, February 2017

Is it IVDD? Managing back pain

Symposium on Therapeutic Advances in Animal Rehabilitation, New Jersey April 2016

Non-surgical approach to cruciate disease

ACVSMR track, ACVS symposium. Nashville TN Oct 2015

Lifetime management of elbow dysplasia

VET Festival, University of Surrey, England. Sept 2015

Arthritis and Exercise – How much is okay? & Intraarticular therapies

Veterinary Orthopedic Society at North American Veterinary Conference Jan 2015

Management of Toe Injuries

Canine Sports Medicine Symposium. North American Veterinary Conference Jan 2015

Defining Aging - health, or disease?

IAMS Symposium, North American Veterinary Conference & Western Veterinary Conference Jan/Feb 2015

Integrating spinal manipulative therapy into rehabilitation practice – parts I and II

Gait and motion – update on what we know from current literature

Healing Oasis Animal Chiropractic Convention, Illinois 2014

Nervous about Nerves? Using the neurological examination to direct therapy

AARP for our Patients – Assessment, Assistance, Rehabilitation and Pain management for senior patients

Symposium on Therapeutic Advances in Animal Rehabilitation, New Jersey 2014

Managing neck and back pain; Postural changes – should we intervene? Joint Disease – A comparative review;

Platelet Rich Plasma – My clinical experiences

Veterinary Orthopedic Society at the North American Veterinary Conference 2014

Carpal hyperextension and other soft tissue injuries

Canine Sports Medicine Symposium at the North American Veterinary Conference 2014

Interaction of gait and posture – lecture and lab format

Symposium on Therapeutic Advances in Animal Rehabilitation, New Jersey 2013

Rehabilitation and pain relief as ageing wellness strategies

North American Veterinary Conference & American Veterinary Medical Association Conference 2012

An update on the pathophysiology of joint disease

Western Veterinary Conference 2011

The science of peak performance
Approach to acute and chronic back and neck pain
American Animal Hospital Association Annual Meeting 2010

Rehabilitation and pain management
Veterinary Hospitals Association, Minneapolis MN 2008

Ultrasonography of the Musculoskeletal System
Mississippi Veterinary Medical Association, Jackson MS 2005

Research Grants Awarded

Use of acoustic myography to evaluate forelimb muscle function in retriever dogs carrying different weights (with resident Melissa Weber (Franssen) DVM) 2020 AARV/Purina Sponsored Grant

Assessment of muscle function before and after tibial plateau leveling osteotomy in dogs with cruciate ligament insufficiency. Arthrex 2018 (with resident Gabriella Varcoe DVM and Andrew Jackson DVM DACVS)

Effect of tibial plateau leveling osteotomy & rehabilitation on muscle function in cruciate-deficient dogs evaluated with acoustic myography. Canine Rehabilitation Institute Grant with AARV, (with resident Gabriella Varcoe) 2017-18

COX inhibitors and their effect on ischemic injured intestine. Morris Animal Foundation Grant, 2003

Ultrasound, CT and MRI of the Equine Pelvis. American College of Veterinary Surgeons Clinical Research Grant, 2000

References available upon request