

RONALD J. RIEGEL DVM

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Education:

1979 – DVM from University of Illinois
1980 – Faculty The Ohio State University
1989 - Academy of Human Neuromuscular Physiology.
2006 – Medical Laser Safety Officer

Work Experience:

1975-1979 Research Fellow in Pharmacology – University of Illinois.
1979-1980 Associate Professor at The Ohio State University.
1980-2008 Sole owner of private practice in Ostrander, Ohio with a satellite clinic in Marysville, Ohio. Staff of 3 veterinarians, 3 licensed veterinary technicians and 6 support staff.
1993-2001 Founded Equistar Publications. Purpose: Creation of the two volumes below.
2003-2012 Founded and Managed Premier Equine Health Products LLC.
2003-2006 Founded and Managed Illustrated Animal Books LLC. Purpose: Creation of *From Bones to Biscuits*.
2005-2020 Consultant for LiteCure LLC.
2009-Present Co-founder and manager for the American Institute of Medical Laser Applications.
2015-2020 Veterinary Medical director for Digatherm LLC.
2020 – 2022 Veterinary Director for Infrared Cameras Inc
2022 – Present Veterinary Medical Director for Multi Radiance Medical

Publications:

- 1987** ***Infrared Thermography –Adds New Dimension To Equine Joint Diagnosis***
Published in the Norden News.
- 1988** ***A Comparison Study of Intra-articular Therapy in the Racing Standardbred.***
Paper presented at the Equine Sports Medicine Conference
- 1993** ***The Use of Warm Moist Heat as a Modality of Physical Therapy in the Equine.***
Study presented at Florida Equine Sports Medicine Conference
- 1994** ***The Use of Warm Moist Heat in the Treatment of Lameness in the Racing Standardbred.***
Study presented at Equitana
- 1995** ***The Pharmacological Actions and Clinical Uses of Capsaicinoid Compounds Applied Topically to the Equine.***
Study done for EquiFlite Technologies.
- 1996** ***Illustrated Atlas of Clinical Equine Anatomy and Common Disorders of the Horse.***

Volume One.

ISBN # 0-9654461-0-7 *This book won the Ben Franklin Award for Illustrated texts in 1997*

- 1996** ***The Efficacy of Capsaicin Medicated Poultice on the Reduction of Inflammation Within the Tissues of the Equine Foot.***
Study done for EquiFlite Technologies.
- 1997** ***Efficacy Study of the Thermotex™ Infrared Therapy Blanket Upon the Standardbred Racehorse.***
Study done for Thermotex™ Therapy Systems Ltd.
- 1998** ***Thermotex™ Therapy System Infrared Heating Pad Versus a Conventional Heating Pad and a Hot Towel***
Study done for Thermotex™ Therapy Systems Ltd.
- 1999** ***Illustrated Atlas of Clinical Equine Anatomy and Common Disorders of the Horse. Volume Two.***
ISBN # 0-9654461-1-5 Volume's one and two are on their third edition and have been reprinted 8 times.
- 2000** ***Efficacy of Therapeutic Infrasonic Upon the Equine Athlete.***
Study presented at International Equine Symposium
- 2000** ***The Correlation of Training Times, Thermographic Evidence and Serum Chemistry Levels to Provide Evidence as to the Effectiveness of the Oral Administration of MSM (Methylsulfonylmethane) Upon the Racing Standardbred.***
Study done for the Carolwood Corporation.
- 2003** ***"From Bones to Biscuits" A Healthy, Nutritional Cookbook For Your Dog.***
ISBN # 0-9741845-0-0 This led to a television show at noon on a local network; six episodes.
- 2004** ***Helping Horses Heal.***
ISBN # 0-9741845-1-9
- 2007** ***Laser Therapy for the Equine Athlete.***
ISBN # 978-0-9741845-1-7
- 2008** ***Clinical Overview and Applications of Class IV Therapy Lasers in the Human.***
ISBN # 978-1-56592-197-9
- 2008** ***Laser Therapy in the Companion Animal Practice: Mechanisms and Protocols for Class IV Laser Therapy.***
ISBN # 978-1-60725-391-4
- 2010** ***Feline Medicine. Nordworthy Et. Al.***
Contributing author on The Use of Therapeutic Lasers in the Feline Practice.
- 2011** ***Seminars in the fields of Veterinary Medicine, Sports Medicine, Rehabilitation, Physical Therapy and Chiropractic: 42.***
This includes speaking engagements in the U.K., Europe, and Japan
- 2012** ***Seminars, labs and workshops in both the Veterinary and Human Sports Medicine Fields: 43***
All over North America, Denmark, UK, Wales, three trips to Japan.
- 2012** ***Spoke at the second international laser science society meeting in Kyoto Japan.***

Only American member of the Japanese Veterinary Laser Science Society.

2009 – 2013 Numerous articles and publications in several veterinary journals and texts.

2013 *43 seminars plus two all day Laser Therapy Symposiums all RACE approved. Seminars in Japan(8), UK(2) and North America.*

This includes a series of lectures on physical therapy and integration of laser therapy into the chiropractic practice.

2014 *38 seminars including Canadian VMA, NEVMA, Japan and the UK.*

2015 White paper presented at ASLMS meetings: **Efficacy of Photobiomodulation in the Treatment of Osteoarthritis in the Canine Species.**

Riegel RJ, Bancroft A., Johnson J., Emerrett G., Gross D., Dunbar L.

Thirty-two lectures including Canadian VMA, Norway, Sweden, Denmark, and the United States.

2016 **Twenty-six lectures to the veterinary profession; Eleven lectures to the medical care professions.**

2017 *Laser Therapy in Veterinary Medicine: Photobiomodulation.* Co-editor. Wiley Publications May 25th, 2017.

This is now on its third printing with a new revised edition planned for 2022.

2017 **Twenty-eight lectures given both nationally and internationally on photobiomodulation therapy and veterinary infrared thermal imaging (VIRT).**

2018 **Twenty-four lectures given both nationally and internationally on PBMT and VIRT**

2019 **Thirty-two lectures given both nationally and internationally on PBMT and VIRT**

2020 **Eight lectures given: two on PBMT and six on VIRT**

2020 **Pilot study to evaluate thermographic imaging in canine hindlimb muscles after 6 minutes of walking.** Jennifer Repac¹, Leilani Alvarez¹, Ronald J. Riegel², Ken Lamb³

¹The Animal Medical Center, New York, NY, United States, ²Digatherm Inc., Ocala, FL,

³Lamb Consulting, West St. Paul, MN. (peer Reviewed)

2021 **Thermal Imaging Following Exercise in Working Dogs.** Calan M Farley^{1,2}, Patricia Kaynaroglu¹, Donna Magness¹, Ronald Riegel³, Cynthia M Otto^{1*}

¹ Penn Vet Working Dog Center, University of Pennsylvania School of Veterinary Medicine, ² Philadelphia, PA, United States ³

² Drexel University, Philadelphia, Pa, United States (Peer Reviewed)

- 2021 Utilizing infrared thermal imaging to objectively monitor the efficacy of sequential photobiomodulation therapy treatment sessions.** Emily Freeman^{1†}, Jenifer Johnson² John C. Godbold Jr^{3†}, Ronald J. Riegel^{4†}, Frontier (peer-reviewed) Jun 2021
- 2022 Eight lectures on PBMT and three on IRTI; four webinars.**
November: Veterinary Medical Director WellVu Imaging.
- 2023 Developed course on Equine Thermology through Western Kentucky University.**
Veterinary Medical Director Muti Radiance Medical/WellVu
Lectured at VMX, London Veterinary Society, and AHVMA
Webinars (5) on IRTI and PBMT
- 2024 Veterinary Medical Director: Multi Radiance Medical/WellVu**
Individualized training in the interpretation of veterinary infrared thermal images
Webinars on IRTI and PBMT

Professional Memberships

American Society of Lasers in Medicine and Surgery. Fellow since 2012.

Photobiomodulation Board Member.

American Academy of Thermology. Since 2015. Board Chairman for Veterinary Education: 2024

North American Association of Light Therapy.

Japanese Veterinary Laser Science Society.