**Michael Hal Jaffe, DVM, MS, CCRP**

**Diplomate, American College of Veterinary Surgeons**

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Office Address: 240 Wise Center Dr.

Mississippi State, MS 39762

Phone Number: Office – 662-325-7942

E-mail: mhj95@msstate.edu

**EDUCATION:**

INSTITUTION DEGREE YEAR

University of Massachusetts, Amherst, MA Bachelor of Science 1986

University of Missouri, Columbia, MO Doctor of Veterinary Medicine 1991

Louisiana State University, Baton Rouge, LA Internship - Companion Animal 1996

Dept. of Veterinary Clinical Sciences Surgery and Medicine

Louisiana State University, Baton Rouge, LA Residency - Companion Animal Surgery 1999

Dept. of Veterinary Clinical Sciences

Louisiana State University, Baton Rouge Master of Science 1999

Dept. of Veterinary Clinical Sciences

University of Tennessee CCRP 2017

**BOARD CERTIFICATION:**

Diplomate, American College of Veterinary Surgeons 2002

Certified Canine Rehabilitation Practitioner 2017

**PROFESSIONAL ACTIVITIES:**

2019 – present Associate Professor of Small Animal Surgery

Mississippi State University College of Veterinary Medicine

Starkville, MS

2019 – present Service Chief, Small Animal Surgery

Mississippi State University College of Veterinary Medicine

Starkville, MS

2017 – 2019 Small Animal Surgeon

Southwest Veterinary Surgical Service

Glendale, AZ

2014 – 2017 Assistant Professor of Small Animal Surgery

Midwestern University College of Veterinary Medicine

Glendale, AZ

2004 - 2014 Small Animal Surgeon

Animal Referral and Emergency Center of Arizona

Mesa, AZ

1999 - 2004 Small Animal Surgeon

Oakland Veterinary Referral Services

Bloomfield Hills, MI

1996 - 1999 Resident, Companion Animal Surgery

Louisiana State University

School of Veterinary Medicine

Baton Rouge, LA

1995 - 1996 Intern, Companion Animal Surgery and Medicine

Louisiana State University

School of Veterinary Medicine

Baton Rouge, LA

1993 - 1995 Associate Veterinarian

Seiler Animal Hospital

Ft. Lauderdale, FL

1991 - 1993 Associate Veterinarian

Twin Pines Animal Hospital

St. Joseph, MO

1988 Research Intern

Merck, Sharp, & Dohme Research Farms

Kingdom City, MO

1985 Research Intern

Merck, Sharp, & Dohme Research Labs

Rahway, NJ

**LOCUMS:**

2022 Department of Orthopedic Surgery

Colorado State University College of Veterinary Medicine

Ft. Collins, CO

2019 and 2021 Burlington Emergency & Veterinary Specialists

Williston, VT

2017 Department of Surgery

University of Guelph

College of Veterinary Medicine

Guelph, ONT, Canada

2013 Department of Surgery

University of Prince Edward Island

Atlantic Veterinary College

Charlottetown, PEI, Canada

**RESEARCH ACTIVITIES:**

Ex Vivo Comparison of Bone-Screw-Fasteners and Conventional Buttress Screws for Maintenance of Tibial Plateau Positioning and Biomechanical Stability After Locking Tibial Plateau Leveling Osteotomy Plate Fixation, 2020 – present

Ex vivo biomechanical comparison of a novel “Bone-Screw-Fastener” and traditional AO cortical bone screw for fixation of a simulated slab fracture in the equine third carpal bone, 2020 – present

Computational and Biomechanical Evaluation of OsteoCentric and Conventional Bone-Screw-Fastener, 2020 - present

Clinical Trial Investigator: “VetStem Biopharma – Canine Osteoarthritis Stem Cell Therapy Pivotal Efficacy Study” 2016 – 2017

Midwestern University and Arizona State University: Co-Investigator: “Gene Delivery for Transitional Cell Carcinoma” 2015-2016

Midwestern University and Arizona State University: Co-Investigator: “Nanoscale Radiation Dosimeters” 2015 – 2017

Midwestern University: Collaborator: “Characterizing the Pathomechanisms Of Metastasis In Canine Hemangiosarcoma” with V. Wong, S. Harris 2015-2016

Bone Growth Stimulators Accelerate Healing Time in Canines Who Undergo Tibial Plateau Leveling Osteotomy for the Repair of Cranial Cruciate Ligament, Randomized, Controlled Pilot Study with Blinded Rate, Midwestern University, Glendale, AZ 2015 – 2017

Determination of Differential Protein Expression in Primary and Metastatic Hemangiosarcoma Tumors from Dogs – An Observational Pilot Study, Midwestern University, Glendale, AZ 2015 – 2017

Photothermal Nanocomposites for Tissue Repair, Arizona State University, Tempe, AZ, 2014 – 2017

Comparison of Ligasure and LDS Stapler in Canine Splenectomies, Mesa, AZ, 2011-2012

Animal Referral and Emergency Center of Arizona, Mesa, AZ, 2007-2008

Epidural Analgesia in Dogs Undergoing TPLO Surgery

Louisiana State University, Baton Rouge, LA, 1996-1999

The effects of deionized water injections following the surgical resection of mast cell tumors in dogs.

Louisiana State University, Baton Rouge, LA, 1996-1999

Immunohistochemical and clinical evaluation of p53 in canine cutaneous mast cell tumors.

Merck, Sharp, & Dohme Research Farm, Kingdom City, MO, 1988

Effects of Ivermectin on *Strongyles* of bovines and porcines. Effects of Ivermectin on external parasites of porcines. Effects of Ivermectin on arthropods.

Merck, Sharp, & Dohme Research Laboratory, Rahway, NJ, 1985

Coccidiosis and coccidiostatic drugs in broilers

**TEACHING** **EXPERIENCE:**

Instructor

SAMS 12 hrs lecture/yr 2019 – present

Course Coordinator

SAS Clinical Rotation 2020 – present

Course Coordinator

Small Animal PT/Rehab 2020 - present

VMED 1520 Course Coordinator

Clinical Anatomy 4 credit hours 2014 – 2017

VMED 1651 Course Coordinator

Principles of Surgery w/Lab 1 4 credit hours 2014 – 2017

VMED 1652 Course Coordinator

Principles of Surgery w/Lab 2 2 credit hours 2014 – 2017

VMED 1653 Course Coordinator

Principles of Surgery w/Lab 3 2 credit hours 2014 – 2017

VMED 1707 Course Coordinator

Practice of Veterinary Medicine VII 3 credit hours 2014

VMED 1756 Course Coordinator

Small Animal Medicine/Surgery II 5 credit hours 2014 - 2017

VMED 1635 Instructor 2 credit hours 2016

` Principles of Radiology

MICRG 1671 Instructor 1 credit hour 2015

Veterinary Microbiology I

VMED 5228 Fundamentals Of Surgery 1 lecture/ year 1997-1999

VMED 5228 Fundamentals Of Surgery 16 lab hours/ year 1996-1999

VMED 5331 Veterinary Orthopedics 1 lecture/ year 1997-1999

VMED 5332 Practice of Surgery 20 lab hours/ year 1996-1999

VMED 5457 Companion Animal Surgery 1995-1999

(Clinical Rotation)

VMED 5456 Companion Animal Medicine 1995-1996

(Clinical Rotation)

VMED 1520 Clinical Anatomy 38 hours2015 – 2017

VMED 1501 Practice of Veterinary Medicine I 34 hours 2014 – 2017

VMED 1502 Practice of Veterinary Medicine II 47 hours 2014 – 2017

VMED 1503 Practice of Veterinary Medicine III 15 hours 2015 – 2017

VMED 1605 Practice of Veterinary Medicine IV 14 hours 2016 - 2017

PHYS 1522 Veterinary Physiology II 1 hours 2015 – 2017

VMED 1561 Veterinary Anesthesia 1 hours 2015 – 2017

BMED 526 Microbiology II 4 hours 2015 – 2017

MICRG 1671 Veterinary Microbiology I 1 hour 2015 – 2017

COREG 1580 Interprofessional Healthcare 4 hours 2016 – 2017

VMEDG 1655 Small Animal Medicine/Surgery 6 hours 2016 – 2017

VMEDG 1341 Small Animal Orthopedics 4 hours 2016 – 2017

**PUBLICATIONS:**

Bryan Semon, Alaa Chriat, Haifeng Wang, Lauren Priddy, Lu Lu, **Michael Jaffe** and Gombojav O. Ariunbold. Rapid: Contact-Free, Multimodal, Non-Linear Optical Imaging for Collagen in Formalin-Fixed Paraffin-Embedded Tendon Tissues. *Proceedings of the European Conference on Biomedical Optics,* 2021.

**Michael Jaffe**, David Levine, Denis J. Marcellin-Little, Henry Steven Adair, Andris J. Kaneps Topic Editor: Veterinary Sports Medicine and Physical Rehabilitation ebook. Frontiers, 2020

David Levine, Henry Steven Adair, Denis J. Marcellin-Little, **Michael Jaffe** and Andris J. Kaneps. Editorial: Veterinary Sports Medicine and Physical Rehabilitation. *Front. Vet. Sci*., 28 April 2020

Wong, VM, **Jaffe, MH:** Pathology in Practice: Cytologic findings in a case of feline aural inflammatory polyp. *JAVMA* 252(3), 297-299, 2018.

Madaline Mushaben, Russell Urie, Tanner Flake, **Michael Jaffe**, Kaushal Rege and Jeffrey Heys: Spatiotemporal Modeling of Laser Tissue Soldering Using Photothermal Nanocomposites. *Lasers in Surgery and Medicine,* Oct. 2017.

Urie, Russell; Quraishi, Sana; **Jaffe, Michael**; Rege, Kaushal: Gold Nanorod-Collagen Nanocomposites for Photothermal Welding of Ruptured Porcine Intestines, *ACS Biomaterials Science & Engineering* 1(9), 805–815, 2015.

Monarski CM, **Jaffe MH**, Kass PH: Decreased Surgical Time With A Vessel Sealing Device Versus A Surgical Stapler in Performance of Canine Splenectomy. *JAAHA* 50(1), 2014.

Spah CE, Elkins AD, Wehrenberg A, **Jaffe MH**, et al: Evaluation of Two Novel Self-Anchoring Barbed Sutures in a Prophylactic Laparoscopic Gastropexy Compared With Intracorporeal Tied Knots. *Veterinary Surgery* 42(8) 932-942, 2013.

**Jaffe MH**: Small Intestinal Obstruction. *Compendium’s Standards of Care Emergency and Critical Care Medicine* (6.3) 1-6, 2004.

**Jaffe MH**, Fitch R, Rich G, Tully TN: Medial Release and Extracapsular Stabilization in a 7-month-old Blue and Gold Macaw (*Aca ararauna*) with a Grade IV Medial Patella Luxation. Proceedings, 21st Annual Association of Avian Veterinarians Conference, Portland, OR, Aug. 30 - Sept. 1, 2000.

**Jaffe MH**, Hosgood G, Taylor HW, Kerwin SC, Hedlund CS, Lopez MK, Davidson JR, Miller DM, Paranjpe M: Immunohistochemical Quantification of p53 as a Prognostic Indicator of Canine Cutaneous Mast Cell Tumors. *Veterinary Pathology* 37(1) 40-46, 2000.

**Jaffe MH,** Hosgood G, Taylor HW, Hedlund CS, Kerwin SK: Deionized Water Use as Adjunctive Therapy to Surgery for the Treatment of Canine Cutaneous Mast Cell Tumors: A Case Series. *Journal of Small Animal Practice* 41(1) 7-11, 2000.

**Jaffe MH**, Grooters AJ, Partington BP, Hosgood G, Camus A: Extensive venous thrombosis and hind-limb edema associated with adrenocortical carcinoma in a dog. *Journal of the American Animal Hospital Association* 35(4) 306-310, 1999.

Jaffe TJ, **Jaffe MH**: Gastric Dilatation-Volvulus. Proceedings, AVMA 136th Annual Convention, New Orleans, LA, July 10-14, 1999.

**Jaffe MH**, Hosgood G, Taylor HW, Kerwin SC, Hedlund CS, Lopez MK, Davidson JR, Miller DM, Paranjpe M: Immunohistochemical Staining of Canine Mast Cell Tumors for p53.(abs)Proceedings, 18th Annual ACVS Symposium, Chicago, IL, Oct. 8-11, 1998.

**Jaffe MH**, Hosgood G, Kerwin SC, Hedlund CS, Taylor HW: Deionized Water as an Adjunct to Surgery for the Treatment of Cutaneous Mast Cell Tumors in Dogs.(abs) Proceedings, 18th Annual ACVS Symposium, Chicago, IL, Oct. 8-11, 1998.

Mirza TF, Williams JF, **Jaffe MH**: What Is Your Diagnosis?...Gastric Rupture in a Great Dane. *Journal of the American Veterinary Medical Association* 213(10): 1403-1404, 1998.

**Jaffe MH**: Treatment of Canine Cutaneous Mast Cell Tumors. *Proceedings 67th Annual Conference for Veterinarians*, Baton Rouge, LA, Sept. 26-27, 1998.

**Jaffe MH**, Hosgood G, Taylor HW, Kerwin SC, Hedlund CS, Lopez MK, Davidson JR, Miller DM, Paranjpe M: Immunohistochemical Staining of Canine Mast Cell Tumors for p53.(abs) *Veterinary Surgery* 27(5): 510, 1998.

**Jaffe MH**, Hosgood G, Kerwin SC, Hedlund CS, Taylor HW: Deionized Water as an Adjunct to Surgery for the Treatment of Cutaneous Mast Cell Tumors in Dogs.(abs) *Veterinary Surgery* 27(5): 510, 1998.

**Jaffe MH**, Hosgood G, Kerwin SC, Hedlund CS: The Use of Deionized Water for the Treatment of Canine Cutaneous Mast Cell Tumors. *Veterinary Cancer Society Newsletter* 22(1): 9-10, 1998.

**Jaffe MH**: Surgical Management of End-Stage Otitis Externa and Otitis Media in Dogs. *Proceedings 66th Annual Conference for Veterinarians*, Baton Rouge, LA, Sept. 27-28, 1997.

Fitch RB, Montgomery RD, **Jaffe MH**: Muscle Injuries in Dogs. *Compendium on Continuing Education* 19(8): 947-958, 1997.

**Jaffe MH**, Kerwin SC, Fitch RB: How I Treat...Canine Diskospondylitis. *Compendium on Continuing Education* 19(5): 551-555, 1997.

Esplin DG, **Jaffe MH**, McGill LD: Metastasizing Liposarcoma Associated With A Vaccination Site In A Cat. *Feline Practice* 24(5): 20-23, 1996.

**INVITED REVIEW:**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Michael H. Jaffe:** Book Review of “Multimodal Management of Canine Osteoarthritis (2nd edition), ed. Steven Fox”*. JAVMA* 250(6), p. 644, 2017.

**Michael Jaffe**: Merck Veterinary Manual: “Stem Cells and Regenerative Medicine”, 2022

**PROFESSIONAL PRESENTATIONS:**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Jaffe MH**: Non-surgical Management of Degenerative Joint Disease in Dogs, Melville, NY – *Long Island Veterinary Medical Association,* April 6, 2022.

**Jaffe MH**: Non-surgical Management of Degenerative Joint Disease in Dogs, Norwalk, CT – *Fairfield County Veterinary Medical Association,* April 5, 2022.

**Jaffe MH**: Rehabilitation and Physical Therapy of Dogs, *Mississippi Veterinary Medical Association Winter Meeting*, Starkville, MS, February 25, 2022.

**Jaffe MH**: Basic Gastrointestinal Surgery Tips and Techniques, *Mississippi Veterinary Medical Association Winter Meeting*, Starkville, MS, February 25, 2022.

**Jaffe MH**: Feline Orthopedic Examination, *VetGirl Live (online)*, February 24, 2022

**Jaffe MH**: Non-surgical Management of Degenerative Joint Disease in Dogs, Boca Raton, FL February 17, 2022.

**Jaffe MH**: Non-surgical Management of Degenerative Joint Disease in Dogs, West Palm Beach, FL February 16, 2022.

**Jaffe MH**: Non-surgical Management of Degenerative Joint Disease in Dogs. *Southeast Louisiana Veterinary Medical Association*, Metairie, LA January 20, 2022.

**Jaffe MH**: Forelimb Lameness in Dogs. *The Gulf Atlantic Veterinary Medical Association Annual Conference*, West Palm Beach, FL December 5, 2021.

**Jaffe MH**: Small Animal Orthopedic Exam. *The Gulf Atlantic Veterinary Medical Association Annual Conference*, West Palm Beach, FL December 5, 2021.

**Jaffe MH**: Bandages and Drains. *The Gulf Atlantic Veterinary Medical Association Annual Conference*, West Palm Beach, FL December 5, 2021.

**Jaffe MH**: Canine Physical Therapy and Rehabilitation, *The Gulf Atlantic Veterinary Medical Association Annual Conference*, West Palm Beach, FL December 4, 2021.

**Jaffe MH**: Making Sense of Common Muscle and Tendon Injuries in Dogs, *The Gulf Atlantic Veterinary Medical Association Annual Conference*, West Palm Beach, FL December 4, 2021.

**Jaffe MH**: The Art and Science of Canine Gait Evaluation, *The Gulf Atlantic Veterinary Medical Association Annual Conference*, West Palm Beach, FL December 4, 2021.

**Jaffe MH**: Non-Surgical Management of Canine Osteoarthritis (2 hours), *The Gulf Atlantic Veterinary Medical Association Annual Conference*, West Palm Beach, FL December 4, 2021.

**Jaffe MH**: Juvenile Orthopedic Diseases. *The Gulf Atlantic Veterinary Medical Association Annual Conference*, West Palm Beach, FL December 4, 2021.

**Jaffe MH**: Regenerative Therapy. *The Gulf Atlantic Veterinary Medical Association Annual Conference*, West Palm Beach, FL December 4, 2021.

**Jaffe MH**: To Pee or Not To Pee, Surgery of the Urinary Tract. *West Virginia Veterinary Medical Association*, November 12, 2021.

**Jaffe MH**: Perineal and Perianal Diseases. *West Virginia Veterinary Medical Association*, November 12, 2021.

**Jaffe MH**: Small Animal Degenerative Joint Disease. *NY Vet, New York City, NY*, November 4, 2021.

**Jaffe MH**: Small Animal Orthopedic Exam. *VetGirl Live (virtual)* November 2, 2021.

**Jaffe MH**: To Pee or Not To Pee, Surgery of the Urinary Tract. *Kentucky Veterinary Medical Association*, September 24, 2021.

**Jaffe MH**: Perineal and Perianal Diseases. *Kentucky Veterinary Medical Association*, September 24, 2021.

**Jaffe MH**: Basic Gastrointestinal Surgery. *Kentucky Veterinary Medical Association*, September 24, 2021.

**Jaffe MH**: Making Sense of Common Muscle and Tendon Injuries in Dogs, *Kentucky Veterinary Medical Association*, September 24, 2021.

**Jaffe MH**: Non-Surgical Management of Canine Osteoarthritis (2 hours), *Kentucky Veterinary Medical Association*, Louisville, KY, September 24, 2021.

**Jaffe MH:** Why is My Puppy Limping? Juvenile Canine Orthopedic Diseases, (3 hours), *Dallas County Veterinary Medical Association (virtual)* September 14, 2021.

**Jaffe MH**: Non-Surgical Management of Canine Osteoarthritis (2 hours), *Southern Veterinary Conference*, Birmingham, AL, August 6, 2021.

**Jaffe MH**: Regenerative Therapy. *Southern Veterinary Conference*, Birmingham, AL, August 6, 2021.

**Jaffe MH**: To Pee or Not To Pee, Surgery of the Urinary Tract. *Southern Veterinary Conference*, Birmingham, AL, August 5, 2021.

**Jaffe MH**: Perineal and Perianal Diseases. *Southern Veterinary Conference*, Birmingham, AL, August 5, 2021

**Jaffe MH**: Why is My Puppy Limping? Juvenile Canine Orthopedic Diseases. (2 hours) *VetGirl Live (virtual)* July 29, 2021.

**Jaffe MH, Jaffe TJ:** Summertime Tips to Keep your Pet Safe and Healthy, *DAFVM Quarterly Workshop,* July 21, 2021.

**Jaffe MH**: Canine Physical Therapy and Rehabilitation (2 hours), *Florida Veterinary Medical Association Annual Conference*, Orlando, FL July 9, 2021.

**Jaffe MH**: Making Sense of Common Muscle and Tendon Injuries in Dogs, *Florida Veterinary Medical Association Annual Conference*, Orlando, FL July 9, 2021.

**Jaffe MH**: Forelimb Lameness in Dogs. *Florida Veterinary Medical Association Annual Conference*, Orlando, FL July 9, 2021.

**Jaffe MH**: Non-Surgical Management of Canine Osteoarthritis (2 hours), *Florida Veterinary Medical Association Annual Conference*, Orlando, FL July 9, 2021.

**Jaffe MH**: Small Animal Orthopedic Exam. *Florida Veterinary Medical Association Annual Conference*, Orlando, FL July 10, 2021.

**Jaffe MH**: Juvenile Orthopedic Diseases. *Florida Veterinary Medical Association Annual Conference*, Orlando, FL July 10, 2021.

**Jaffe MH**: Bandages and Drains. *Florida Veterinary Medical Association Annual Conference*, Orlando, FL July 10, 2021.

**Jaffe MH**: Osteochondritis Dissecans. *Florida Veterinary Medical Association Annual Conference*, Orlando, FL July 10, 2021.

**Jaffe MH**: Regenerative Therapy. *Florida Veterinary Medical Association Annual Conference*, Orlando, FL July 10, 2021.

**Jaffe MH**: Canine Physical Therapy and Rehabilitation, *MVC Virtual Conference*, February 16, 2021.

**Jaffe MH**: Making Sense of Common Muscle and Tendon Injuries in Dogs, *MVC Virtual Conference*, February 16, 2021.

**Jaffe MH**: Non-Surgical Management of Canine Osteoarthritis, *MVC Virtual Conference*, February 16, 2021.

**Jaffe MH**: Diagnosis and Treatment of Canine Muscle and Tendon Injuries, *VetGirl,* Live Webinar, February 8, 2021.

**Jaffe MH**: Non-surgical Management for the Treatment of Canine Osteoarthritis, *Live* *Webinar sponsored by Nutramax*, November 19, 2020.

**Jaffe MH**: Perineal and Perianal Diseases. *Midsouth Regional Veterinary Conference* – Memphis, TN, Live Webinar, November 19, 2020.

**Jaffe MH**: Small Animal Orthopedic Exam. *Midsouth Regional Veterinary Conference* – Memphis, TN, Live Webinar, November 19, 2020.

**Jaffe, MH**: Non-surgical Management for the Treatment of Canine Osteoarthritis, *Fetch 360 online* – November 13, 2020

**Jaffe, MH**: Physical Therapy and Rehabilitation in Dogs. *Hawaii Veterinary Medical Association –*Live Webinar, August 10, 2020.

**Jaffe MH**: Perineal and Perianal Diseases. *Southern Veterinary Conference* – Birmingham, AL, Live Webinar, August 7, 2020.

**Jaffe MH**: Juvenile Orthopedic Diseases. *Southern Veterinary Conference* – Birmingham, AL, Live Webinar, August 7, 2020.

**Jaffe MH**: Non-surgical Management for the Treatment of Canine Osteoarthritis, *Live* *Webinar sponsored by Nutramax*, July 9, 2020.

**Jaffe MH**: Non-surgical Management for the Treatment of Canine Osteoarthritis, *Live Webinar sponsored by Nutramax*, July 8, 2020.

**Jaffe MH**: Non-surgical Management for the Treatment of Canine Osteoarthritis, *Live Webinar sponsored by Nutramax*, July 7, 2020.

**Jaffe MH**: Non-surgical Management for the Treatment of Canine Osteoarthritis, *Central Florida Veterinary Medical Association*, Orlando, FL, November 4, 2019.

**Jaffe MH**: Non-surgical Management for the Treatment of Canine Osteoarthritis, Phoenix, AZ, September 26, 2019.

**Jaffe MH**: Non-surgical Management for the Treatment of Canine Osteoarthritis, *Prescott Veterinary Medical* Association, Prescott, AZ, September 25, 2019.

**Jaffe MH**: Photothermal Nanocomposites for Tissue Repair, *Mississippi State University College of Veterinary Medicine*, Starkville, MS, September 4, 2019.

**Jaffe MH**: Non-surgical Options for the Treatment of Canine Osteoarthritis, *Arizona Veterinary Specialists*, Mesa, AZ, April 6, 2019.

**Jaffe MH**: Non-surgical Options for the Treatment of Canine Osteoarthritis, *Arizona Veterinary Medical Association*, Scottsdale, AZ, April 17, 2018.

**Jaffe MH**: Canine Orthopedic Conundrums: Limping Puppies and What To Do When The X-Rays Don’t Give Us The Answer. 3 hours, *Arizona Academy of Veterinary Practice*, Tempe, AZ, May 24, 2017.

**Jaffe MH:** Small Animal Osteochondritis Dissecans. *One Health Conference,* Midwestern University, Downers Grove, IL, October 2015

**Jaffe MH:** Canine Total Knee Replacement, *MWUCVM Continuing Education Lecture Series* – Glendale, AZ, November 20, 2014.

**Jaffe MH**: Muscle Injuries in Dogs. AZ Veterinary Medical Association – Scottsdale, AZ, November, 2013.

**Jaffe MH**: Current Topics in Veterinary Orthopedics. Lecture Series – Mesa, AZ, January 2013

**Jaffe MH:** Total Knee Replacement. AZ Veterinary Medical Association – Phoenix, AZ, December, 2012

**Jaffe MH**: Total Knee Replacement and Stem Cell Therapy. Lecture Series – Mesa, AZ, September, 2012

**Jaffe MH**: Muscle Injuries in Dogs. Lecture Series – Mesa, AZ, June 7, 2011.

**Jaffe MH**: Ureteral Stenting in Small Animals. ARECA Lecture Series – Mesa, AZ, May 13, 2010.

**Jaffe MH**: Emergency Surgery of the Urinary Tract. Arizona Veterinary Medical Association – Tucson, AZ, December 3, 2008.

**Jaffe MH**: Forelimb Lameness in Canines. ARECA Lecture Series – Mesa, AZ, September 24, 2008.

**Jaffe MH**: General Soft Tissue Surgery Tips. Phoenix New Grad Series – Mesa, AZ, July 9, 2008.

**Jaffe MH**: Emergency Surgery of the Urinary Tract. Arizona Veterinary Medical Association – Phoenix, AZ, May 8, 2008.

**Jaffe MH**: Emergency Surgery of the Urinary Tract. ARECA Lecture Series - Mesa, AZ September 12, 2007.

**Jaffe MH**, Little F, Monarski CM: Surgical Management of Hip Dysplasia. ARECA Lecture Series - Scottsdale, AZ, February 28, 2007.

**Jaffe MH**: Juvenile Orthopedic Diseases. ARECA Lecture Series - Mesa, AZ, September 12, 2006.

**Jaffe MH**: Perineal and Perianal Diseases. ARECA Lecture Series - Mesa, AZ, September 26, 2005.

**Jaffe MH**: Canine Arthroscopic Surgery. ARECA Lecture Series - Scottsdale, AZ, August 24, 2005.

**Jaffe MH**: Canine Arthroscopic Surgery. Arizona Veterinary Medical Association – Tucson, AZ, June, 2005.

**Jaffe MH**: Elbow Dyplasia and Arthroscopy Update. ARECA Lecture Series - Mesa, AZ, October 28, 2004.

**Jaffe MH**: Tibial Plateau Leveling Osteotomy Update. OVRS Lecture Series – Bloomfield Hills, MI, February 4, 2003.

**Jaffe MH**: Canine Osteoarthritis Update. OVRS Lecture Series - Bloomfield Hills, MI,

May 10, 2001.

**Jaffe MH**: Musculoskeletal Neoplasia. Baton Rouge Area Veterinary Medical Association - Baton Rouge, LA, August 10, 1999.

**Jaffe MH**, Jaffe TJ: Gastric Dilatation-Volvulus. 136th Annual American Veterinary Medical Association Convention - New Orleans, LA, July 11, 1999.

**Jaffe MH**: Evaluation of Survival and Tumor Recurrence in Dogs with Cutaneous Mast Cell Tumors: The Role of p53 Immunohistochemistry and Deionized Water Injection. Thesis Defense - Dept. of Veterinary Clinical Science - Louisiana State University, March 12, 1999.

**Jaffe MH**, Hosgood G, Taylor HW, Kerwin SC, Hedlund CS: Deionized Water as an Adjunct to Surgery for the Treatment of Cutaneous Mast Cell Tumors in Dogs. 18th Annual American College of Veterinary Surgeons Symposium - Chicago, IL, October 10, 1998.

**Jaffe MH**, Hosgood G, Taylor HW, Kerwin SC, Hedlund CS, Lopez MK, Davidson JR, Miller DM, Paranjpe M: Immunohistochemical and Clinical Evaluation of p53 in Canine Cutaneous Mast Cell Tumors. 18th Annual American College of Veterinary Surgeons Symposium - Chicago, IL, October 10, 1998.

**Jaffe MH**: Indications, Placement, and Management of Tracheostomy Tubes in Dogs (Lab). 68th Annual Conference for Veterinarians - Louisiana State University, September 27, 1998.

**Jaffe MH**: Treatment of Canine Cutaneous Mast Cell Tumors. 68th Annual Conference for Veterinarians - Louisiana State University, September 26, 1998.

**Jaffe MH**: Surgical Management of End-Stage Otitis Externa and Otitis Media in Dogs. 67th Annual Conference for Veterinarians - Louisiana State University, September 27, 1997.

**ABSTRACT AND POSTER PRESENTATIONS:**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Abbey Fleming, Carly Campbell, **Michael Jaffe**, Barbara Kaplan: Establishment of a Cell Culture Model Using Whole Lung to Study Effects of Cannabinoids. Veterinary Summer Scholars Symposium, August 3, 2020.

Russell Urie, Deepanjan Ghosh, Chengchen Guo, Maryam Ridha, Tanner Flake, Mitzi Thel, Jacquelyn Kilbourne, **Michael Jaffe**, Jeffrey Yarger, Kaushal Rege: Laser-Assisted Tissue Repair with Plasmonic Nanocomposites. Molecular, Cellular, and Tissue Bioengineering Symposium, Tempe, AZ, April 1, 2017.

“Spatiotemporal Modeling and Rapid Sealing of Ruptured Tissue with Plasmonic Nanocomposites”. American Institute of Chemical Engineers Annual Meeting Fall 2016. San Francisco, CA. 14 Nov 2016. Biomaterials Poster Session.

“Silk-Gold Nanorod Nanocomposite Films for Rapid Tissue Repair”. American Institute of Chemical Engineers Annual Meeting Fall 2016. San Francisco, CA. 15 Nov 2016. Conference Presentation.

“Plasmonic Collagen Nanocomposites for Rapid Tissue Sealing and Repair”. American Institute of Chemical Engineers Annual Meeting Fall 2016. San Francisco, CA. 15 Nov 2016. Conference Presentation.

“Silk-Gold Nanorod Nanocomposite Films for Rapid Tissue Repair”. American Institute of Chemical Engineers Annual Meeting Fall 2016. San Francisco, CA. 16 Nov 2016. Conference Presentation.

“Plasmonic Collagen Nanocomposites for Rapid Tissue Sealing and Repair”. American Institute of Chemical Engineers Annual Meeting Fall 2016. San Francisco, CA. 17 Nov 2016. Conference Presentation.

**Michael H. Jaffe**, Russel Urie, Sana Quraishi, Kaushal Rege: Gold Nanorod-Collagen Nanocomposites as Photothermal Nanosolders for Laser Welding of Ruptured Porcine Intestine, Dr. Kenneth A. Suarez Midwestern University Research Day, April 23, 2016, Glendale, AZ.

Russell Urie, Tanner Flake, Mitzi Thelakkaden, Jeffrey Hays, **Michael Jaffe**, Kaushal Rege: Plasmonic nanocomposites for Laser Tissue Welding and Spatiotemporal Modeling. Molecular, Cellular, and Tissue Bioengineering Symposium, Tempe, AZ, April 2, 2016.

Russell Urie, Kaushal Rege, **Michael Jaffe**, Jeffrey J. Heys, Tanner Flake: Spatiotemporal Modeling of Laser Tissue Welding of Plasmonic Nanoparticles, American Institute of Chemical Engineering Annual Meeting, Salt Lake City, UT, November 8-13, 2015.

Russell Urie, Kaushal Rege, Jeffrey J. Heys, **Michael Jaffe**, Tanner Flake: Plasmonic Nanocomposites for Laser Tissue Welding with Spatiotemporal Modeling, American Institute of Chemical Engineering Annual Meeting, Salt Lake City, UT, November 8-13, 2015.

Russell Urie, Kaushal Rege, **Michael Jaffe**, Sana Quraishi: Plasmonic Nanocomposites for Laser Tissue Welding of Ex Vivo Porcine Intestine, American Institute of Chemical Engineering Annual Meeting, Salt Lake City, UT, November 8-13, 2015.

**Jaffe MH**, Urie, R; Browning, Z; Rege, K: Determination of the optimal gold concentration and near-infrared laser power in the use of nanocomposites for laser tissue welding in mouse colon. Dr. Kenneth A. Suarez Midwestern University Research Day, April 22, 2015, Glendale, AZ.

**PODCASTS:**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

VetBlast Podcast: Recorded July 14, 2020 – Managing Osteoarthritis in Dogs

**GRANTS FUNDED:**

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Methods Development of Photothermal Nanocomposites for Tissue Repair” – ORSP Intramural Funding ($10,000) – February 17, 2015

NIH RO1 EB020690 grant ($1,815,694) May, 2016 – “Photothermal Nanocomposites for Tissue Repair” Co-I with Dr. Kaushal Rege (ASU)

**UNIVERSITY AND PROFESSONAL SERVICE:**

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Robert Holland Faculty Senate member 2022 - present

Section Editor: Orthopedics, *Clinical Veterinary Advisor*, Cote

Member DAFVM Faculty Senate, 2021 - present

Member ACVS Founding Fellowship Committee 2021 - present

Member, Mississippi State University Academic Standards and Professional Ethics committee and MSU Honor Code Council, 2021-present

Member, Veterinary Diagnostic Imaging faculty search committee, 2021

Member, IACUC, Mississippi State University, 2020 - present

Member, Grant Application Pre- Submission Review Committee, MSU 2019 – present

Member, Veterinary Neurologist Search Committee, 2020 – present

Member, Veterinary Internal Medicine Search Committee, 2020

Member, Surgical Residency Selection Committee, MSU 2019 - present

Member, Surgical Internship Selection Committee, MSU 2019 – present

Member, Rotating Internship Selection Committee, MSU. 2019 - present

Midwestern University Faculty Senate. 2017

Midwestern University IACUC, 2015 - 2017

Associate Editor, Frontiers in Veterinary Science, Veterinary Surgery and Anesthesiology Section, 2015 - present

Chairman, ACVS Resident Credentialing Committee, 2011

Chairman, *ex officio* - ACVS Resident Credentialing Committee, 2012

ACVS Resident Credentialing Committee, 2008-2012

ACVS Residency Program Compliance Committee, September 2014 – 2017

ACVS Exam Restructuring Committee, 2011-2014

Chairman, ACVS Internal Review Committee, November 2014 – December 2014

Editorial Review Board, *Veterinary Surgery*, 2003 – 2007

Reviewer, *Veterinary Surgery*, 2008- present

Reviewer, *Journal of the American Veterinary Medical Association*, 2008 - present

Reviewer, *American Journal of Veterinary Research*, 2017 - present

Chairman, Small Animal Surgeon Search Committee, 2014-2017

Chairman, Shelter Medicine Veterinarian Search Committee, 2014 - 2015

College of Veterinary Medicine Research Committee, 2014 – 2016

Interim Chairman, College of Veterinary Medicine Research Committee, October 2015 – 2016.

College of Veterinary Medicine Curriculum Committee, 2014 – 2017

College of Veterinary Medicine Clinical Research Committee, 2014 – 2017

College of Veterinary Medicine Orientation Committee, 2014 – 2017

College of Veterinary Medicine Clinic Opening Committee, 2014 – 2016

Biomedical Sciences MA Capstone Advisor, October 2015 – 2016

Volunteer Surgeon, MASH 48-hour Spay-a-thon, Tucson, AZ, October 2015, October 2016

Volunteer Surgeon, Rural Area Veterinary Services, San Carlos, AZ, June 2015

Biomedical Sciences Capstone Program Poster Day Judge, May 15, 2015

Pima Medical Institute Advisory Board, June 2014 – present

Faculty Advisor, Student Association of Veterinary Surgeons, 2014 – 2017

Faculty Advisor, Veterinary Diagnostic Imaging Club, 2015 - 2017

Animal Referral and Emergency Center of Arizona Steering Committee Member 2005-2006.

Department Representative to Graduate Student Association, Louisiana State University, 1998-1999

Committee Member - Search Committee for Vice Chancellor for Student Life and Academic Services, Louisiana State University, 1998

Lab Instructor and Lecturer, Student Chapter of Veterinary Emergency and Critical Care Society, 1997

Advisor, Pre-Vet Club, Louisiana State University, 1995-1997

Co-Founder and Advisor, Future Veterinarians of Broward County, 1993-1995

Member of Veterinary Honor Code Committee, University of MO, 1989-1991

Class Representative to American Animal Hospital Association, University of MO, 1987-1991

**PUBLIC SERVICE PRESENTATIONS:**

**Jaffe MH**: Commencement Guest Speaker, Pima Medical Institute Graduation, Mesa, AZ, September 2018

**Jaffe MH**: Veterinary Diagnostic Imaging. *Health Science Career Day* – Glendale, AZ, March, 2017.

**Jaffe MH**: Diagnostic Imaging in Veterinary Medicine – Yes, we actually do Cat Scans – *Health Careers Institute for High School Students* - Glendale, AZ, July, 2016

**Jaffe MH**: Veterinary Diagnostic Imaging. *Health Science Career Day* – Glendale, AZ, March 1, 2016.

**Jaffe MH**: Diagnostic Imaging in Veterinary Medicine – Yes, we actually do Cat Scans – *Health Careers Institute for High School Students* - Glendale, AZ, July 16, 2015

**Jaffe MH**: Veterinary Diagnostic Imaging. *Health Science Career Day* – Glendale, AZ, March 5, 2015.

**Jaffe MH**: Diagnostic Imaging in Veterinary Medicine – Yes, we actually do Cat Scans – Health Careers Institute for High School Students - Glendale, AZ, July 17, 2014

**Jaffe MH**: Careers in Veterinary Surgery. Health Science Career Day – Glendale, AZ, February 27, 2014.

**SURGEON AND VETERINARIAN IN TRAINING GUIDANCE:**

Faculty Mentor to Senior Veterinary Students, Mississippi State University College of Veterinary

Medicine, 2021 - present

Mentor to Companion Animal Medicine and Surgical Interns, Surgical Specialty Intern, and

Residents, 2004-present

Resident Advisor to Surgical Resident, Mississippi State University, 2019 – present

Committee Member for Biomedical Engineering PhD candidate 2020 - present

Faculty Advisor to 4 Freshmen Veterinary professional students MSU CVM, 2020 - present

Faculty Advisor to 14 Veterinary professional students MWU CVM, 2014-2017

Resident Advisor to Surgical Resident, Animal Referral and Emergency Center of Arizona, 2005-2008.

Program Director for Surgical Residency, Animal Referral and Emergency Center of Arizona, 2007-2008.

Co-Mentor to Surgical Intern, Animal Referral and Emergency Center of Arizona, 2004-2005.

Intern Mentor/Advisor, Animal Referral and Emergency Center of Arizona, 2006- 2014

**NEWSPAPER PUBLICATIONS:**

“Ask The Vets” monthly newspaper column - co-author with Tracy Jaffe, DVM, Starkville Daily News and West Point Daily Times Leader– 2020 - present

“Ask The Vets” monthly newspaper column - co-author with Tracy Jaffe, DVM,

Birmingham Observer and Eccentric Newspapers, 2000-2004

**NON-PROFESSIONAL PUBLICATIONS:**

**Michael H. Jaffe:** Wilmer “Vinegar Bend” Mizell, S*weet ’60: The 1960 Pittsburgh Pirates*, **Ed. Clifton Blue Parker and Bill Nowlin, SABR Press, 2013.**

**Michael H. Jaffe:** Gary Hargis, *When Pops Led The Family: The 1979 Pittsburgh Pirates,* Ed. Bill Nowlin and Gregory Wolf, SABR Press, 2016.

**AWARDS:**

Member Society of Phi Zeta, Omega Chapter, 2021

American College of Veterinary Surgeons Award for Academic and Clinical Proficiency in Veterinary Surgery, 1991

**PROFESSIONAL MEMBERSHIPS:**

Diplomate, American College of Veterinary Surgeons

Veterinary Orthopedic Society

American Veterinary Medical Association

**CONTINUING EDUCATION:**

CCRP Course, online and wet-labs, Raleigh, NC, May 2016 – April 2017

Molecular, Cellular, and Tissue Bioengineering Symposium, Tempe, AZ, April 2016, 2017

Extracapsular CrCL Repair Lab, Glendale, AZ, February 2016

One Health Conference, Downers Grove, IL, October 2015

Veterinary Leadership Experience, Post Falls, ID, June 2014

InVest 2014, St. Kitts, March 2014

Canine Total Knee Replacement Course, Columbus, OH, May 2012, Certified August 2013

PAX Plating System Course, Chicago IL, November 2011

Small Animal Stenting Course, Albuquerque, NM, September 2009

Rigid Endoscopy Course, Mesa, AZ, December 2006

BFX Total Hip Replacement Course, Washington DC, October 2006.

ARECA Intern Seminar, Case Series, and Journal Club Weekly Presentations, 2004 - 2014

Tibial Plateau Leveling Osteotomy Certification Course, Slocum Enterprises, 2002

Advanced Athroscopy Lecture/ Laboratory, ACVS Symposium, 2001

American College of Veterinary Surgeons Annual Symposium, 2001-present

Southeastern Michigan Veterinary Medical Association Lecture Series, 2000-2004

Lecturer, American Veterinary Medical Association, 136th Annual Convention, 1999

Session Moderator, North American Veterinary Conference, 1999

Lecturer, American College of Veterinary Surgeons Annual Symposium, 1998

Association for the Study of Internal Fixation: Advanced Course on surgical fixation of disorders of the joints, 1997

American College of Veterinary Internal Medicine Symposium, 1995

Lecturer, Louisiana State University’s Annual Fall Conference, 1995-1998

Louisiana State University Resident/Intern Seminar & Case Series Weekly Presentations, 1995-1999

Florida Veterinary Medical Association Annual Meeting, 1994

BOP/Sertl Shelf Arthroplasty Course, 1993

**COMMUNITY SERVICE:**

Service Dawgs volunteer, 2020 - present

Founding Chapter President, Cool Papa Bell SABR Chapter, Starkville, MS 2019 - present

Boy Scouts of America, Assistant Scoutmaster Mesa Troop 301, 2010-2016

St. Mary’s Food Bank, Phoenix, AZ – volunteer, 2011-2019

Society for American Baseball Research, Baseball Research Journal reviewer and author 2015-present

**ACTIVE PROFESSIONAL LICENSURE:**

Mississippi

Vermont

Colorado (Academic)