Nichole A. Danova, D.V.M.

Address: Veterinary Referral and Emergency Center
318 Northern Blvd
South Abington Twp., PA. 18411
Phone: 570-587-7777

Professional Experience:

May 2010 – Current – *President/Director of Surgery*
Veterinary Referral and Emergency Center
South Abington Twp., Pennsylvania

Dec. 2009 – May 2010 – *President/Director of Surgery*
Veterinary Surgical Center
Scranton, Pennsylvania

June. 2008 – Current – *Hospital Chief Operating Officer/Director of Surgery*
Animal Emergency and Referral Hospital
Pittston, Pennsylvania

Jan. 2007 – June 2008 – *Small Animal Staff Surgeon*
Veterinary Specialty and Emergency Center
Langhorne, Pennsylvania

Aug. 2005 – Dec. 2006 - *Small Animal Staff Surgeon*
Oakland Veterinary Referral Services
Bloomfield Hills, Michigan

July 2002 - July 2005 - *Small Animal Surgical Resident*
University of Wisconsin
School of Veterinary Medicine
Department of Surgical Sciences
Madison, Wisconsin

July 2003 - July 2005 - *Small Animal Surgical Volunteer*
Dane County Humane Society
Madison, Wisconsin

July 2001 - July 2002 - *Post-Doctorate Surgical Fellow/Research Associate*
Comparative Orthopedic Laboratory
University of Wisconsin
School of Veterinary Medicine
Madison, Wisconsin

July 2000 - June 2001 - *Small Animal Medicine and Surgery Intern*
North Carolina State University
College of Veterinary Medicine
Raleigh, North Carolina

May 1998 - Aug. 1998 - *Surgical Technician*
Veterinary Specialty and Emergency Center
Langhorne, Pennsylvania

Professional Experience (cont):

May 1996 - August 1997 - *Veterinary Technician*
Swartz Creek Veterinary Hospital
Swartz Creek, Michigan

May 1995 - Aug. 1997 - *Medical Records Assistant*
Michigan State University
College of Veterinary Medicine
Veterinary Teaching Hospital
East Lansing, Michigan

Jan. 1992 - Aug. 1993 - *Surgical Technician*
Veterinary Surgical Center
Oakford, Pennsylvania

Dec. 1992 - Mar. 1993 -*Veterinary Technician*
Animal Emergency Clinic of Bucks County
Levittown, Pennsylvania

Aug. 1991 - Jan. 1992 -*Veterinary Assistant*
Bryn Mawr Animal Hospital
Bryn Mawr, Pennsylvania

Education:

Aug. 1996 - May 2000
College of Veterinary Medicine
Michigan State University
East Lansing, Michigan
D.V.M. - Veterinary Medicine, 2000
B.S. - Veterinary Medicine, 1998

Aug. 1994 - Aug. 1996
College of Natural Science
Michigan State University
East Lansing, Michigan
Zoology Major

Sep. 1993 - Aug. 1994
Lansing Community College
Lansing, Michigan.
Pre-Veterinary Curriculum
A.A. - General, 1995

Jan. 1992 - Jun. 1993
Community College of Philadelphia
Philadelphia, Pennsylvania.
Pre-Veterinary Curriculum

Further Education:

February 2007 – PennHIP Seminar Course
University of Pennsylvania

December 2003 - TPLO Seminar Course
Slocum Enterprises - Eugene, Oregon

May 2001 - Veterinary Rehabilitation and Physical Therapy
North Carolina State University

January 2001/October 2000 - Communications Seminars
North Carolina State University

November 1999 - Special Problems in Small Animal Surgery
Michigan State University

October 1999 - Advanced Orthopaedic Surgery Clerkship
Michigan State University

August 1999 - Problems in Small Animal Clinical Sciences/Externship
Orthopaedic Department - North Carolina State University

May 1999 - AO/ASIF - Surgical Fixation of Fractures
Basic canine short course - Ohio State University

March 1999 - Problems in Small Animal Clinical Sciences/Externship
Oncology Department - Colorado State University

Honors:

2004 – Resident of the Year Award – University of Wisconsin
2003 – Partnership Award – Dane County Humane Society
2001 - Outstanding Small Animal Intern Award - Faculty - North Carolina State University
2001 - Intern of the Year Award - Class of 2001 - North Carolina State University
2000 - Arthur D. Marosi Surgery Award - Michigan State University
2000 - American Animal Hospital Association Senior Student Award - Michigan State University
2000 - Nancy L. Brookins Surgery Specialty Endowed Award - Michigan State University
2000 - June Evans Endowed Orthopaedic Scholarship - Michigan State University
1999 - Charlotte and Erwin Gorning Scholarship - Michigan State University
1996 - Golden Key National Honor Society - Michigan State University
1994 - 1996 - Dean's List - College of Natural Science - Michigan State University
1995 - Phi Sigma Pi Honor Society - Michigan State University
1994 - Trustee Scholarship Recipient - Michigan State University
1994 - Phi Theta Kappa National Honor Society - Lansing Community College
1994 - Ingham County Medical Auxiliary Scholarship - Lansing Community College

Publications:

Manuscripts

Danova NA, Robles-Emmanuelle JC, Bjorling D. Surgical Excision of Primary rectal Tumors via the Anus: 23 Dogs. *Veterinary Surgery*, Jun;35(4):337-40, 2006

Muir P, **Danova NA**, Argyle DJ, Manley PA, Hao Z. Collagenolytic protease expression in cranial cruciate ligament and stifle synovial fluid in dogs with cranial cruciate ligament rupture. *Veterinary Surgery*, Sep-Oct;34(5):482-90, 2005

Colopy SA, **Danova NA**, Hardie RJ, Muir P. Managing feline obstipation secondary to pelvic fracture. *Compendium*. Sep;662-669, 2005

Colopy SA, Benz-Dean J, Barrett JG, Sample SJ, Lu Y, **Danova NA**, Kalscheur VL, Vanderby Jr. R, Markel MD, Muir P. Response of the osteocyte syncytium adjacent to and distant from linear microcracks during adaptation to cyclic fatigue loading. *Bone*, Oct.;35(4):881-891, 2004

Radtke CL, **Danova NA**, Scollay MC, Santschi EM, Markel MD, Da Costa Gomez T, Muir P. Macroscopic changes in the distal ends of the third metacarpal and metatarsal bones of Thoroughbred racehorses with condylar fractures. *Am J Vet Res*. Sep;64(9):1110-6, 2003

Danova NA, Colopy SA, Radtke CL, Kalscheur VL, Markel MD, Vanderby R, McCabe RP, Escarcega AJ, Muir P. Degradation of bone structural properties by accumulation and coalescence of microcracks. *Bone*. Aug;33(2):197-205, 2003

Colopy SA, **Danova NA**, Hai Z, Kalscheur VL, Vanderby Jr. R, Markel MD, Muir P. Bone neuropeptide concentrations during adaptation to fatigue. *American Journal of Veterinary Research* – Submitted for publication April 2003.

Danova NA, Muir P. Extracorporeal shockwave therapy for supraspinatus calcifying tendinopathy in two dogs. *The Veterinary Record* – Feb. 15;152(7):208-209, 2003

Mathews KG, **Danova NA,** Newman H, Barnes HJ, Phillips L. Ratite cancellous xenograft; effects on avian fracture healing. *Veterinary and Comparative Orthopaedics and Traumatology* . 16:50-58, 2003

Abstracts

Danova NA, Hao Z, Argyle DM, Manley P, Muir P. Expression and localization of collagenolytic enzymes in stifle synovial fluid and cranial cruciate ligament in dogs with cruciate disease. *American College of Veterinary Surgeons.* ACVS Veterinary Symposium, 2004.

Danova NA, Colopy SA, Vanderby R, Muir P. Degradation of structural properties by accumulation and coalescence of microdamage during fatigue loading. *Orthopaedic Research Society*. ORS Symposium. Poster presentation, Feb. 2003.

Danova NA, Markel MD, Vanderby Jr. R, Muir P. Degradation of structural properties by accumulation and coalescence of microdamage during fatigue loading. *American College of Veterinary Surgeons.* ACVS Veterinary Symposium, 2002.

Publications (cont):

Texts

Danova NA, Schmeidt C, Bjorling D. Surgery of the Female Reproductive System. *In* Williams and Niles (ed): BSAVA Manual of Canine and Feline Abdominal Surgery. BSAVA, Glouster, 2004.

Schmeidt C, **Danova NA**, Bjorling D. Surgery of the Nose and Nasopharynx. *In* Brockman and Holt (ed): BSAVA Manual of Canine and Feline Head, Neck and Thoracic Surgery. BSAVA, Glouster, 2004

Presentations:

Scientific Meetings

Apr. 2009 – NEPVMA Veterinary Medical Association
Hip Dysplasia – Medical and surgical options

Sep. 2007 – BCVA Veterinary Medical Association
Tibial Plateau Leveling Osteotomy

Oct. 2004 – ACVS Small Animal Orthopaedic Scientific Session
Stifle synovial fluid collagenolytic activity in dogs with cruciate disease

Feb. 2003 – ORS Poster Abstract Presentation
Degradation of structural properties by accumulation and coalescence of microdamage during fatigue loading

Oct. 2002 – ACVS Large Animal Orthopaedic Scientific Session
Degradation of structural properties by accumulation and coalescence of microdamage during fatigue loading

Oct. 2002 – WVMA Veterinary Technician Scientific Session
Diagnostic Radiographic Techniques for Hip Dysplasia OFA vs. PennHip

University of Wisconsin – School of Veterinary Medicine

UW Bone Club - Human and Veterinary Orthopaedic Seminar
Mar. 2002 Rat Ulna Loading as a Model of Fracture Risk in the Athlete

Department of Surgical Sciences - General Surgery Seminars
Mar. 2005 Transitional Cell Carcinoma
Feb. 2005 Nuclear Medicine – Uses for the Surgical Patient
Nov. 2004 Cranial Thoracic Masses – Diagnosis, Treatment and Prognosis
Mar. 2004 Surgical Treatment of the Pancreas
Mar. 2004 Gastrointestinal Tumors
Jan. 2004 Surgical Treatment of the Adrenal Gland
Jun. 2003 Nuclear Matrix Proteins as Cancer Markers
Apr. 2003 Surgical Treatment of Heart Disease
Mar. 2003 Peritonitis – Treatment and Prognosis
Dec. 2001 Wound Healing – Principles and Practices
Nov. 2001 Thorascopic Procedures

Department of Surgical Sciences - Orthopaedic Seminars
Apr. 2005 Tarsal Fractures and Treatment
Sep. 2004 DJD: Pathophysiology of OA and inflammatory arthritis
Apr. 2004 Spinal Cord Trauma/Ischemia; Vertebral Fractures/Luxations: Treatments

Presentations (cont):

Sep. 2003 Endocrine and Metabolic Disorders that Affect the Orthopedic Patient
Apr. 2003 Physeal Fractures in Dogs: Treatment and Prognosis
Jan. 2002 Mandibular/Maxillary Fractures in Dogs/Cats: Treatment
Oct. 2002 Biology of Fatigue Fractures and Bone Adaptation
Oct. 2001 Fracture Healing and Bone Remodeling

North Carolina State University - College of Veterinary Medicine

Department of Clinical Sciences - House Officer Seminar
Dec. 2000 Osteoarthritis - Diagnosis and Treatment

Department of Clinical Sciences - House Officer Medicine Rounds
Nov. 2000 Boxer Cardiomyopathy
May 2000 Smoke Inhalation

Michigan State University - College of Veterinary Medicine

Ophthalmology Department
Feb. 2000 Keratoconjuctivitis Sicca

General Medicine Department
June 1999 Mast Cell Tumors

Teaching Experience:

Veterinary Specialty and Emergency Center

Jan. 2007- Jun. 2008 - Surgical Residency
Didactic and Practical Training

University of Wisconsin

2004 - College of Veterinary Medicine
VM 630 - Surgery Lectures
Lecturer – Declaw Surgery, Cardiovascular Surgery

2002 - 2005 - College of Veterinary Medicine
Remote Area Veterinary Surgery (RAVS)
Didactic/Laboratory Instructor

2001 - 2005 - College of Veterinary Medicine
Junior Surgery Laboratory
Surgery and Anesthesia

2003 – Orthopedic Didactic Course
Surgical Teaching Assistant

North Carolina State University

2000 - College of Veterinary Medicine
Operative Surgery
Surgical and Anesthesia Teaching Assistant

Teaching Experience (cont):

Michigan State University

1999 - College of Veterinary Medicine
VM 557 - Operative Surgery
Surgical and Anesthesia Teaching Assistant

1997 - College of Human and Osteopathic Medicine
MIC 552 - Medical Microbiology and Immunology
Laboratory Teaching Assistant

Scientific Meetings Attended:

American College of Veterinary Surgeons - Chicago, 2001; Denver, 2004

Orthopaedic Research Society – New Orleans, Feb. 2003

Wisconsin Veterinary Medical Association Conference – Milwaukee, Oct. 2002

North Carolina Veterinary Conference - Raleigh, Nov. 2000

AO/ASIF - Surgical Fixation of Fractures - Columbus, May 1999

Michigan Veterinary Conference – Lansing: 1997, 1998, 1999, 2000

Community Service:

Johnson College - Veterinary Technology – Program Accreditation Committee Board Member

Indraloka Animal Sanctuary – Board Member

Affiliations:

American Veterinary Medical Association

Northeastern Pennsylvania Veterinary Medical Association

Orthopaedic Research Society

Veterinary Orthopaedics Society

Veterinary Emergency and Critical Care Society

Animal Rescue Flights

Pilots'n'paws

Activities:

Camping/Hiking
Downhill Skiing
Rock Climbing
Sailing
Gardening
Sleeping

Road Cycling
Wind Surfing
Scuba Diving - Master
Triathlon
Aviation - Pilot: Airplane Single Engine Land; Instrument Rated. Current Commercial/Multiengine training.