

MARK J. SODERSTROM

*Staff Surgeon
Sonora Veterinary Specialists
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EDUCATION

NORTH CAROLINA STATE UNIVERSITY
COLLEGE OF VETERINARY MEDICINE
Postdoctorate, clinical instructorship in Neurology Jul 1998- Jan 1999

OKLAHOMA STATE UNIVERSITY
COLLEGE OF VETERINARY MEDICINE
Residency, Small Animal Surgery, 1995-present

SONORA VETERINARY SURGERY AND ONCOLOGY
Intern, Small Animal Medicine and Surgery, 1993-1994

UNIVERSITY OF MISSOURI-COLUMBIA
COLLEGE OF VETERINARY MEDICINE
Doctor of Veterinary Medicine, 1993

UNIVERSITY OF NEVADA-RENO
COLLEGE OF AGRICULTURE
*Bachelor of Science, Veterinary Science
Attended UNR 1986-1989, Degree awarded 1990*

WORK EXPERIENCE

COPPER STATE VETERINARY SERVICE
Relief Veterinarian Jul 1994-Jun 1995
Provided relief veterinary service throughout the metro Phoenix area including general and emergency practices.

BRUSH CREEK VETERINARY SERVICE
Veterinarian, May 1993-Jul 1993
Provided veterinary services for this mixed animal practice and feedlot operation.

PROFESSIONAL ORGANIZATIONS

American Veterinary Medical Association
Licensed and Accredited Missouri 1993
Licensed Arizona 1993
Accredited Arizona 1994
Faculty License, Oklahoma State University 1995

Faculty License, North Carolina State University, 1998
Arizona Veterinary Medical Association 1999

OTHER ORGANIZATIONS

PHI ZETA FRATERNITY 1996 to present

ALPHA ZETA AGRICULTURE HONOR SOCIETY 1987 to present
Society Historian 1988

RAPTOR REHABILITATION PROJECT, UNIVERSITY OF MISSOURI COLUMBIA 1989-1993
Facilities Coordinator 1990-1991
President 1991-1992

AWARDS

PHI ZETA RESEARCH AWARD April 1997
Experimental Evaluation of the Ulnaris Lateralis Muscle Flap

ALL CONFERENCE ACADEMIC TEAM, BIG SKY CONFERENCE (1987)

PRESENTATIONS

- EFFECTS OF VITAMIN A AND CORTICOSTEROIDS ON CUTANEOUS WOUND HEALING IN DOGS
Presentation at the Oklahoma State Veterinary Medical Association Meeting, Jan 1998.
- EXPERIMENTAL EVALUATION OF THE ULNARIS LATERALIS MUSCLE FLAP IN THE DOG
Presentation at the General Session of the American College of Veterinary Surgeon's Meeting, Orlando, FL, Nov 1997.
- THE ART AND SCIENCE OF EXTERNAL FIXATOR APPLICATION
House officer seminar series
Oklahoma State University College of Veterinary Medicine, Oct 1997
- INTRACRANIAL SURGERY
House officer seminar series
Oklahoma State University College of Veterinary Medicine, May 1997
- ADVANCES IN PERIPHERAL NEUROSURGERY
House officer seminar series
Oklahoma State University College of Veterinary Medicine, Sep 1996
- MUSCLE FLAP TRANSPOSITION: REVIEW AND EXPERIMENTAL DESIGN
House officer seminar series
Oklahoma State University College of Veterinary Medicine, Apr 1996
- RE-EXPANSION PULMONARY EDEMA
House officer seminar series
Oklahoma State University College of Veterinary Medicine, Sep 1995
- PLEURAL EFFUSION: DIAGNOSIS AND MANAGEMENT
Intern seminar
Phoenix area veterinarians, Dec 1993
- CONCEPTS IN WOUND HEALING

TEACHING

VMS 6752/6852 SMALL ANIMAL SURGERY CLINIC I & II

Fourth year small animal surgery rotation. Participation in teaching activities occurred during all rotations clinics were scheduled. Conducted Chief Resident rotations, Sep 2-21, 1997 and Dec 15-21, 1997. During Chief Resident rotations responsibilities included admitting all cases on that service, diagnosis and treatment of these cases, communications with clients and referring veterinarians, and teaching and grading fourth year veterinary students.

VMS 6543 CLINICAL AND SURGICAL TECHNIQUES I

Third year surgical laboratory. Assisted faculty member in surgical laboratories including laparotomy, ovariohysterectomy, orchiectomy, thoracotomy, stifle exploratory, dental prophylaxis, and tooth extraction. *Fall 1995, 1996, 1997.*

VMS 6523 VETERINARY SURGERY II

Third year introduction to clinical surgery. Lectures and test material included examination of the respiratory tract, congenital and acquired diseases of the upper and lower respiratory system, pleural diseases, and diaphragmatic hernias. *Fall semester, 1996, 1997*

VMS 272 PRINCIPLES OF SMALL ANIMAL SURGERY

Second year surgical laboratory. Laboratory material included introduction to surgical instruments and suture, gowning and gloving, surgical site preparation, and aseptic technique. *Spring semester 1996, 1997.*

INTERN LECTURE SERIES

Bi-monthly lectures delivered to the intern class and designed to introduce them to resident level topics in pathophysiology and address areas of case management as requested by the intern class.

Mar 97 Introduction to Sepsis

Jun 97 Hemostasis

Aug 97 Biomechanics

Oct 97 The Acute Abdomen

Jan 98 Chemotherapy and Wound Healing

CLINICAL PROFICIENCY EXAMINATION

Assisted faculty member in observing and grading the surgical section of the clinical proficiency examination for foreign graduates. *Spring and Fall, 1997*

GRANTS

EXPERIMENTAL EVALUATION OF THE ULNARIS LATERALIS MUSCLE FLAP

Residency training grant provided by the College of Veterinary Medicine, Dean of Research

EFFECTS OF VITAMIN A AND CORTICOSTEROIDS ON CUTANEOUS WOUND HEALING IN DOGS

Starky's Surgical Laser Laboratory

College of Veterinary Medicine seed grant

CLINICAL UTILITY OF CT GUIDED STEREO TACTIC BRAIN BIOPSY USING THE PELORUS STEREOTACTIC SYSTEM.

Department of Companion Animal and Special Species Medicine

North Carolina State University College of Veterinary Medicine

PUBLICATIONS AND WORK IN PROGRESS

Soderstrom MJ, Gilson SD, Gulbas NK. Fatal Reexpansion Pulmonary Edema in a Kitten Following Surgical Correction of Pectus Excavatum. JAAHA 31:133, 1995.

Soderstrom MJ, Reed A. Radiographic Diagnosis. Vet Rad and Ultrasnd. 36:21, 1995

Soderstrom MJ, Gilson SD. Principles of Surgical Oncology. Surgical Oncology. Vet Clin N Am 25:97, 1995.

Self Assessment Text in Soft tissue surgery. SD Gilson (ed). Questions submitted including sterilization techniques, suture material and patterns, and male urogenital system. Mason Publishing, In Press.

Soderstrom MJ, Drost WT, Rochat MC. Radiographic Diagnosis; Caudal Cruciate Ligament Avulsion in a Dog. Accepted, Vet Rad and Ultrasnd Sep 97.

Soderstrom MJ, Rochat MC, Drost WT, Panciera R, Payton M. Experimental Evaluation of the Ulnaris Lateralis Muscle Flap in the Dog. Submitted to Veterinary Surgery, Apr 98.

Soderstrom MJ, Rochat MC, Panciera R. Dysautonomia as a Cause of Intestinal Obstruction in a Dog. Submitted to the Journal of Small Animal Practice, Aug 99

Soderstrom MJ, Lange DN, Arnold C, Starost M, Payton M. Effects of Vitamin A and Corticosteroids on Cutaneous Wound Healing in Dogs. Statistical Analysis in Progress.

Lange DN, **Soderstrom MJ**, Campbell G, Rochat MC. Determination of presence of Progesterone and Estrogen Receptors on Naturally Occurring Vaginal and Uterine Leioma and Leiomyosarcoma of the Dog. Project in Progress.

Soderstrom MJ, Gilson SD. Malignant Pilomatrixoma in a Dog; A Case Report and Literature Review. Submitted Journal of the American Veterinary Medical Association, Sep 99.

Soderstrom MJ, Gilson SD, Starost M, Payton M. Determination of Margins for Segmental Resection, a Histologic Study. In Progress.