Spay/Neuter Resources & Research

Anesthesia - General

- AAFP AAHA 2015 Pain Management Guidelines for Dogs and Cats
- Anesthesia and Pain Management of Shelter Populations
- Anesthesia in Shelter Medicine
- Anesthetic Management in Animal Shelters
- How Safe is Anesthesia for Dogs and Cats?
- Perioperative Mortality in Cats and Dogs Undergoing Spay or Castration at a High-Volume Clinic
- Risk Factors for Anesthetic-Related Death in Cats: Results From the Confidential Enquiry into Perioperative Small Animal Fatalities (CEPSAF)
- Supplemental Anesthesia & Analgesia Information, Veterinary Task Force to Advance Spay/Neuter
- Webinar: Updates to Spay/Neuter Clinic Anesthetic Protocols (some information may be outdated)

Anesthesia - Evidence to Support Canine Drug Protocol

- Anaesthetic Induction and Recovery Characteristics of a Diazepam-Ketamine Combination Compared with Propofol in Dogs
- Effects of Acepromazine-Morphine and Acepromazine-Methadone Premedication on the Minimum Alveolar Concentration of Isoflurane in Dogs
- Effects of a Dexmedetomidine Constant Rate Infusion and Atropine on Changes in Global Perfusion Variables Induced by Hemorrhage Followed by Volume Replacement in Isoflurane-Anesthetized Dogs
- Effects of Maropitant, Acepromazine, and Electroacupuncture on Vomiting Associated with Administration of Morphine in Dogs
- Effects of Trazodone on Behavioral Signs of Stress in Hospitalized Dogs
- Heartworm-Positive Dogs Recover Without Complications from Surgical Sterilization Using Cardiovascular Sparing Anesthesia Protocol
- Hemodynamic Influence of Acepromazine or Dexmedetomidine Premedication in Isoflurane-Anesthetized Dogs
• Incidence of and Risk Factors for Postoperative Regurgitation and Vomiting in Dogs: 244 Cases (2000-2012)
• Multivariable Analysis of Anesthetic Factors Associated with Time to Extubation in Dogs
• The Use of Trazodone to Facilitate Post-Surgical Confinement in Dogs

Anesthesia - Evidence to Support Feline Drug Protocol

• AAFP Feline Anesthesia Guidelines
• Clinical Efficacy and Safety of Dexmedetomidine Used as a Preanesthetic Prior to General Anesthesia in Cats
• Doppler Echocardiographic Effects of Medetomidine on Dynamic Left Ventricular Outflow Tract Obstruction in Cats
• The Effect of Dexmedetomidine Against Oxidative and Tubular Damage Induced by Renal Ischemia Reperfusion in Rats
• Effects of a Single Preappointment Dose of Gabapentin on Signs of Stress in Cats During Transportation and Veterinary Examination
• Efficacy of a Single Dose of Trazodone Hydrochloride Given to Cats Prior to Veterinary Visits to Reduce Signs of Transport and Examination-related Anxiety
• Evaluation of the Clinical Efficacy and Safety of Dexmedetomidine or Medetomidine in Cats/Dogs and Their Reversal with Atipamezole
• Evaluation of Dexmedetomidine and Ketamine in Combination with Various Opioids as Injectable Anesthetic Combinations for Castration in Cats
• Evaluation of the Sedative and Cardiorespiratory Effects of Dexmedetomidine, Dexmedetomidine-Butorphanol, and Dexmedetomidine-Ketamine in Cats
• Prepubertal Gonadectomy in Cats: Different Injectable Anaesthetic Combinations and Comparison with Gonadectomy at Traditional Age
• Use of Single-dose Oral Gabapentin to Attenuate Fear Responses in Cage-trap Confined Community Cats: a Double-blind, Placebo-controlled Field Trial

Anesthesia - Evidence to Support Reduced Fasting and/or Feeding

• AAFP Feline Anesthesia Guidelines
• The Association of Shelter Veterinarians’ 2016 Veterinary Medical Care Guidelines for Spay-Neuter Programs
• The Effect of Pre-Anaesthetic Fasting Time and Type of Food on Gastric Content Volume and Acidity in Dogs
• Gastro-Oesophageal Reflux During Anaesthesia in the Dog: The Effect of Preoperative Fasting and Premedication
• Incidence of and Risk Factors for Postoperative Regurgitation and Vomiting in Dogs: 244 Cases
• Preoperative Fasting: An Outdated Concept?
• Proper Timing for Preanesthetic Fasting

Anesthesia - Evidence to Support NSAID Perioperative Use

• Changes in Platelet Function, Hemostasis, and Prostaglandin Expression After Treatment with Nonsteroidal Anti-Inflammatory Drugs with Various Cyclooxygenase Selectivities in Dogs
• Comparison of Injectable Robenacoxib Versus Meloxicam for Perioperative Use in Cats: Results of a Randomised Clinical Trial
• Comparison of the Analgesic Effects of Meloxicam and Carprofen Administered Preoperatively to Dogs Undergoing Orthopaedic Surgery
• Effects of Meloxicam on the Haemostatic Profile of Dogs Undergoing Orthopaedic Surgery
• Efficacy and Safety of 3 Versus 5 Days of Meloxicam as an Analgesic for Feline Onychectomy and Sterilization
• Efficacy of Tolfenamic Acid and Meloxicam in the Control of Postoperative Pain Following Ovariohysterectomy in the Cat
• Evaluation of Glomerular Filtration Rate in Cats with Reduced Renal Mass and Administered Meloxicam and Acetylsalicylic Acid
• Evaluation of Subcutaneous and Oral Administration of Robenacoxib and Meloxicam for the Treatment of Acute Pain and Inflammation Associated with Orthopedic Surgery in Dogs
• Involvement of Inflammation in Severe Post-Operative Pain Demonstrated by Pre-Surgical and Post-Surgical Treatment with Piroxicam and Ketorolac
• A Retrospective Analysis of the Effects of Meloxicamon the Longevity of Aged Cats with and without Overt Chronic Kidney Disease
• Robenacoxib Versus Meloxicam for the Control of Perioperative Pain and Inflammation Associated with Orthopaedic Surgery in Cats: A Randomised Clinical Trial

Cleaning

• UC Davis Koret Shelter Medicine Program: Sanitation in Animal Shelters Information Sheet
• Maintaining & Cleaning Surgical Instruments
Community Cats

- Alley Cat Allies (organization advocating trap/neuter/return)
- American Association of Feline Practitioners’ Feline Retrovirus Management Guidelines
- ASPCApro: How to Talk TNR
- Humane Strategies for Controlling Feral Cat Populations
- Shelter Snapshot: Questions About Community Cat Programs

FeLV/FIV Testing

- Feline Retrovirus Management Guidelines (AAFP)
- Humane Strategies for Controlling Feral Cat Populations
- Prevalence of Feline Leukemia Virus Infection and Serum Antibodies Against Feline Immunodeficiency Virus in Unowned Free-roaming Cats
- Seroprevalence of Feline Leukemia Virus and Feline Immunodeficiency Virus Infection Among Cats in North America and Risk Factors for Seropositivity
- Transmission of Feline Immunodeficiency Virus (FIV) Among Cohabiting Cats in Two Cat Rescue Shelters

General

- Access to Care & the Challenge to Private Practitioners
- ASPCA Shelter Intake & Surrender Statistics
- ASPCA Spay/Neuter Alliance Standards of Care
- Association of Shelter Veterinarians Veterinary Medical Care Guidelines for Spay/Neuter Programs
- Characteristics of Clients and Animals Served by High-Volume, Stationary, Nonprofit Spay-Neuter Clinics
- Feline Fix by Five - Educational Resources
- High-Quality, High-Volume Spay and Neuter and Other Shelter Surgeries
- Histologic Evaluation of Parovarian Nodules in the Cat
- Onset of Sentience: The Potential for Suffering in Fetal and Newborn Farm Animals
- Prevention of Fetal Suffering During Ovariohysterectomy of Pregnant Animals
- The Role of Private Practitioners in Reducing Numbers of Homeless Dogs and Cats and Shelter Euthanasia Rates
• **Shelter Medicine for Veterinarians and Staff, 2nd Edition**
• **UC Davis Koret Shelter Medicine Program: Shelter Health Portal**

**Inventory/Controlled Substances**

• **Drug Enforcement Administration - Controlled Substances Act**

**Surgery**

• **Already Been Spayed? Already Been Neutered?**
• **A Comparison of Two Different Suture Patterns for Skin Closure of Canine Ovariohysterectomy**
• **Choice of Suture Pattern for Linea Alba Closure**
• **Deconstructing the Spay/Neuter Debate**
• **Determining the Optimal Age for Gonadectomy of Dogs and Cats**
• **Ergonomics for Shelter Veterinarians**
• **Optimal Age for Spay/Neuter**
• **Outcomes of Elective Gonadectomy Procedures**
• **Pedicle Ties Provide a Rapid and Safe Method for Feline Ovariohysterectomy**
• **Scrotal Approach to Canine Orchiectomy**
• **Scrotal Castration Versus Prescrotal Castration in Dogs**
• **Use of an Inguinal Approach Adapted from Equine Surgery for Cryptorchidectomy in Dogs and Cats**

**Workplace Safety**

• **Occupational Safety & Health Administration**