

Spay/Neuter Resources & Research



Compiled by the ASPCA Spay/Neuter Alliance.



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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?
- <u>Perioperative Mortality in Cats and Dogs Undergoing Spay or Castration at a High-Volume</u>
 <u>Clinic</u>
- 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- Webinar: Updates to Spay/Neuter Clinic Anesthetic Protocols (some information may be outdated)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
- <u>Clinical Efficacy and Safety of Dexmedetomidine Used as a Preanesthetic Prior to General</u>
 Anesthesia in Cats
- <u>Doppler Echocardiographic Effects of Medetomidine on Dynamic Left Ventricular Outflow</u>
 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
- <u>Evaluation of the Sedative and Cardiorespiratory Effects of Dexmedetomidine</u>,
 <u>Dexmedetomidine-Butorphanol</u>, and <u>Dexmedetomidine-Ketamine in Cats</u>
- <u>Prepubertal Gonadectomy in Cats: Different Injectable Anaesthetic Combinations and Comparison with Gonadectomy at Traditional Age</u>
- <u>Use of Single-dose Oral Gabapentin to Attenuate Fear Responses in Cage-trap Confined</u> <u>Community Cats: a Double-blind, Placebo-controlled Field Trial</u>

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 Preanesthestic 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
- <u>Efficacy of Tolfenamic Acid and Meloxicam in the Control of Postoperative Pain Following</u>
 Ovariohysterectomy in the Cat
- <u>Evaluation of Glomerular Filtration Rate in Cats with Reduced Renal Mass and Administered</u>
 <u>Meloxicam and Acetylsalicylic Acid</u>
- Evaluation of Subcutaneous and Oral Administration of Robenacoxib and Meloxicam for the Treatment of Acute Pain and Inflammation Associated with Orthopedic Surgery in Dogs
- <u>Involvement of Inflammation in Severe Post-Operative Pain Demonstrated by Pre-Surgical and Post-Surgical Treatment with Piroxicam and Ketorolac</u>
- 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
- <u>Seroprevalence of Feline Leukemia Virus and Feline Immunodeficiency Virus Infection</u> <u>Among Cats in North America and Risk Factors for Seropositivity</u>
- <u>Transmission of Feline Immunodeficiency Virus (FIV) Among Cohabiting Cats in Two Cat</u>
 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 <u>Programs</u>
- <u>Characteristics of Clients and Animals Served by High-Volume, Stationary, Nonprofit Spay-</u> 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
- <u>Deconstructing the Spay/Neuter Debate</u>
- 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
- <u>Use of an Inguinal Approach Adapted from Equine Surgery for Cryptorchidectomy in Dogsand Cats</u>

Workplace Safety

• Occupational Safety & Health Administration