



Feline Idiopathic Megacolon

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ABSTRACT: Feline idiopathic megacolon is a relatively common colonic disorder characterized by severe distention of the colon. A thorough diagnostic investigation is needed to eliminate other potential causes from the list of diagnostic differentials. Medical management consisting of dietary modification and administration of laxatives, enemas, and/or promotility agents may be effective. Patients refractory to medical therapy should be further evaluated to determine whether they are candidates for subtotal colectomy.

Feline idiopathic megacolon is characterized by generalized colonic dysfunction manifesting as severe colonic dilation and fecal impaction. Clinical signs commonly include anorexia, weight loss, vomiting, and dyschezia; physical examination classically reveals a large amount of very firm feces palpable within the colon. Diagnostic investigation is aimed at ruling out underlying problems that could cause colonic stricture and/or obstruction (see box on page 659). Once this has been done, medical management with dietary modification and administration of laxatives, enemas, and/or promotility agents may be effective. Patients refractory to medical therapy may benefit from surgical intervention via subtotal colectomy.

PATOPHYSIOLOGY

Feline idiopathic megacolon has traditionally been attributed to primary neurogenic and degenerative

neuromuscular disorders. Previous investigations by Washabau et al^{1,2} using in vitro isometric stress measurements of colonic smooth muscle segments revealed that cats with idiopathic dilated megacolon developed less isometric stress in circular and longitudinal smooth muscle in response to neurotransmitters, membrane depolarization, and electrical field stimulation compared with healthy controls. These findings were associated with decreased myosin light-chain phosphorylation, suggesting a disturbance of intracellular calcium mobilization³ and signifying that feline idiopathic megacolon is a generalized dysfunction of colonic smooth muscle. Thus colonic motility may be augmented with therapeutic intervention designed to stimulate colonic smooth muscle.

DIAGNOSIS

Constipation is defined as "a condition in which bowel movements are infrequent or incomplete"; severe constipation is often referred to as obstipation.⁴ Obstipation implies permanent loss of colonic motility, and when obstipation results in dilation or hypertrophy of the colon, the condition is called *megacolon*.⁵

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Feline Megacolon Manual Guide

Linda Merrill

Feline Megacolon Manual Guide:

Handbook of Small Animal Gastroenterology Todd R. Tams, 2003 This handy how to guide provides a practical framework for diagnosis and treatment of common small animal gastrointestinal disorders filling the gap left by larger encyclopedic references. It features a complete review of symptoms and diagnostic methods, descriptions of digestive tract disorders by organ system and a series of sample GI cases. Logically organized into three easy reference sections and expertly written by recognized specialists, this complete expanded edition is a valuable clinical tool for primary care practitioners. The familiar handbook format based primarily on organs of the gastrointestinal tract offers quick access to key information. Coverage of symptoms, nutrition and chronic and acute disorders presents a thorough discussion of gastroenterology. A new diagnostic modality, BIPS, is covered detailing this useful technique for general practice applications. A glossary of GI drugs educates the reader on the most current terminology. The chapter on Enteral and Parenteral Nutrition has been completely revised with several new illustrations for a more complete discussion of this important topic. A new complete chapter on Neoplasia, written by an expert oncologist, draws together all relevant discussions on neoplasia throughout the book into one comprehensive, coherent treatment.

Low-Cost Veterinary Clinical Diagnostics Ryane E. Englar, Sharon M. Dial, 2022-11-23 *Low Cost Veterinary Clinical Diagnostics* A practical guide to maximizing the diagnostic value of in-house quick assessment tests (QATs). In *Low Cost Veterinary Clinical Diagnostics*, the authors provide a hands-on resource designed to facilitate healthcare delivery across the spectrum of care. Historically, clinicians have been taught to apply the gold standard approach to the practice of medicine. However, recent advances in veterinary medical care and associated technologies have made practitioners question whether a one-size-fits-all approach is truly best. After all, when we perform diagnostic tests, are we testing out of the desire for completeness to cover all bases for the good of the patient? Or are we testing because we are expected to? The reality is that gold standard care is not always advisable and not always possible. In clinical practice, veterinarians frequently encounter obstacles that limit their approaches to case management. Cost of care is a significant constraint that requires practitioners to rethink which diagnostic tests are essential. Not every patient requires a complete blood count, CBC, chemistry profile, urinalysis, and fecal analysis to obtain diagnostic value. This text suggests that the best approach to case management be determined by the situation, the context, the patient, and the client. While sophisticated panels of tests may remain the recommended approach to case management, *Low Cost Veterinary Clinical Diagnostics* outlines entry-level in-house diagnostic blood, urine, fecal, and body cavity fluid tests, how to perform them, as well as the breadth and depth of patient-specific data that can be gleaned from quick assessment tests (QATs). Readers will also find a thorough introduction to patient care considerations, communication strategies that facilitate cost-conscious shared decision making, comprehensive explorations of quick assessment tests (QATs) in hematology, including packed cell volume (PCV), total solids (TS), buffy coat analysis, blood smears, blood glucose, blood urea nitrogen (BUN), saline agglutination tests,

and activated clotting time Practical discussions of quick assessment tests QATs involving urine including urine color dipstick analysis specific gravity USG and urine sediment analysis Pragmatic evaluation of fecal analysis including considerations surrounding fecal color volume consistency and odor saline smears or wet mounts and fecal flotation Discussion on body cavity fluid analysis Sample case vignettes complete with question and answer Q A Perfect for veterinary practitioners veterinary technicians veterinary and veterinary technician students Low Cost Veterinary Clinical Diagnostics offers a quick and easy reference guide to maximizing diagnostic value in those cases where care is cost prohibitive *Small Animal Internal Medicine for Veterinary Technicians and Nurses* Linda Merrill, 2026-01-05 New edition of the first comprehensive internal medicine book for Veterinary Technicians with information on relevant diseases organized by body system Small Animal Internal Medicine for Veterinary Technicians and Nurses offers a detailed reference on small animal internal medicine logically organized by diseases relating to body systems with both basic and advanced information in each chapter The text reviews anatomy physiology pathophysiology clinical signs diseases diagnostic testing pharmacology anesthetic and analgesia considerations and nutrition management Also included are patient friendly practice pain management nursing care and small animal internal medicine considerations in oncology cardiology and neurology Keeping up with the digital advancement of the veterinary market this new edition includes additional online resources including more images illustrating clinical signs and procedures along with images videos checklists for procedures pull lists for procedures critical thinking lists client education and video clips This text is a group effort provided by VTS and diplomates in small animal internal medicine cardiology neurology and oncology as well as anesthesia and analgesia nutrition physical rehabilitation behavior clinical practice and emergency and critical care veterinary technician specialists who are subject matter experts in their fields Sample topics discussed in Small Animal Internal Medicine for Veterinary Technicians and Nurses include Endocrine disease including the pituitary gland covering growth hormone disorders and diabetes insipidus Pancreatic disease including both endocrine and exocrine disease Gastrointestinal disease including feeding tubes covering esophagostomy gastrostomy and jejunostomy tube placement Infectious disease including fungal diseases including histoplasmosis aspergillosis coccidioidomycosis cryptococcosis and blastomycosis Selected nursing considerations including critical thinking and the nursing process Small Animal Internal Medicine for Veterinary Technicians and Nurses is essential reading for veterinary technician students practicing technicians nurses and those studying for the AIMVT specialty exam

The Cat Susan E. Little, 2011-10-14 Comprehensive in scope and exclusively devoted to feline medical care Dr Susan Little's *The Cat Clinical Medicine and Management* is an essential resource for anyone who provides complete state of the art care to cats In one convenient volume you'll find authoritative clinically focused information enhanced by full color illustrations tables boxes algorithms key points and much more all in a format designed for quick access Dr Little and her expert contributors address the unique concerns and challenges facing the feline practitioner including the latest advances in

feline medical diagnosis and management and their clinical applications to everyday practice User friendly and complete The Cat is also available as an e book giving you easy access to the complete fully searchable contents online Covers the latest advances in feline medicine from a systemic and adjunctive care perspective It s the most comprehensive feline medical reference available with a strong clinical focus Helps you meet the increasing demand for state of the art medical care by cat owners including advanced diagnostic services and treatments designed to extend and improve quality of life for feline companions Features a full color design with hundreds of schematic drawings tables boxes key points algorithms and photographs for quick and easy access to information Addresses key topics unique to feline medicine and not currently covered in other books including insights and clinical advances attributable to the mapping of the feline genome medical conditions associated with behavioral problems managing the feline patient with co existing and chronic disease special medical problems and care considerations for the geriatric cat environmental enrichment for the indoor cat feline zoonotic agents and implications for human health and shelter medicine and overpopulation solutions Provides in depth information on indoor cats and senior cats including timely guidance on meeting owners expectations for longer healthier lives for their cats Addresses the challenges of pet overpopulation particularly the impact of millions of feral cats on public health and the environment Presents information written in the manner of expanded conference proceedings delivering the latest insights and most current approaches to management of feline medical disorders Includes contributions from approximately 60 contributors drawing on the valuable expertise of those most knowledgeable in the field of feline medical care Bears the full endorsement of the Winn Feline Foundation a non profit organization that supports studies about cat health and funds feline research projects worldwide and is internationally regarded as a major contributor to the health and wellbeing of all cats The complete contents also are available online through Veterinary Consult *Textbook of Small Animal Emergency Medicine, 2 Volume Set* Kenneth J. Drobatz,Kate Hopper,Elizabeth A. Rozanski,Deborah C. Silverstein,2018-12-06 Textbook of Small Animal Emergency Medicine offers an in depth understanding of emergency disease processes and the underlying rationale for the diagnosis treatment monitoring and prognosis for these conditions in small animals A comprehensive reference on a major topic in veterinary medicine The only book in this discipline to cover the pathophysiology of disease in depth Edited by four respected experts in veterinary emergency medicine A core text for those studying for specialty examinations Includes access to a website with video clips additional figures and the figures from the book in PowerPoint Textbook of Small Animal Emergency Medicine offers an in depth understanding of emergency disease processes and the underlying rationale for the diagnosis treatment monitoring and prognosis for these conditions in small animals *WSAVA-FECAVA Congress World Small Animal Veterinary Association. World Congress,2000 Feline Emergency and Critical Care Medicine* Kenneth J. Drobatz,Erica Reineke,Merilee F. Costello,William T. N. Culp,2022-06-28 A concise and practical quick reference for veterinary practitioners dealing with feline emergencies The updated Second Edition of Feline Emergency and Critical Care

Medicine delivers a practical guide for veterinary practitioners dealing with injured or ill cats. The book focuses on clinically oriented information tailored to a fast paced emergency setting. Perfect as a quick reference with a concise outline format designed to facilitate immediate access to critical information, this edition of the popular book emphasizes the skillful and informed management of feline veterinary emergencies. The new edition of Feline Emergency and Critical Care Medicine also includes A thorough introduction to veterinary approaches to the care of critically ill cat cardiopulmonary cerebral resuscitation shock and trauma. Comprehensive explorations of anesthetic protocols for systemically healthy cats and pain management in critically ill feline patients. Practical discussions of general approaches to neurologic emergencies including those involving the brain spinal cord and peripheral organs. In depth examinations of a wide variety of emergency surgical procedures including gastrointestinal urinary and other surgeries. Feline Emergency and Critical Care Medicine Second Edition is an invaluable resource for feline and small animal veterinary practitioners and emergency and critical care specialists.

Ettinger's Textbook of Veterinary Internal Medicine - eBook Stephen J. Ettinger, Edward C. Feldman, Etienne Cote, 2024-01-03 Selected for Doody's Core Titles 2024 with Essential Purchase designation in Veterinary Medicine. Now Ettinger's trusted all in one veterinary resource is even better. Trusted by small animal veterinarians for more than 50 years, Ettinger's Textbook of Veterinary Internal Medicine adds new content on the field's leading issues and trends to its unmatched gold standard coverage of the diagnosis and treatment of medical problems of dogs and cats. Coverage begins with the basics of veterinary medicine followed by sections on differential diagnosis for chief complaints and for clinicopathologic abnormalities and continues with techniques minimally invasive interventional therapies critical care toxicology diseases by body system and comorbidities. Clinical information is presented in a way that reflects the practitioner's thought process. With each purchase of this two volume print book, Ettinger's includes access to a fully searchable eBook featuring more than 750 videos that bring procedures to life. UNIQUE 50th anniversary edition of this classic textbook. NEW Coverage of the latest information and trends includes epilepsy, aerodigestive disorders, patient triage and stabilization, enteric protozoal diseases, pulmonary thromboembolism, point of care ultrasounds, immunodeficiencies and more. More than 750 original clinical videos are included with purchase of the print book, providing content you can believe in. Forget those time consuming searches on YouTube as each video expertly breaks down veterinary procedures and important signs of diseases and disorders that are difficult or impossible to understand from written descriptions alone. NEW PDFs in Techniques chapters include a printable pull list of the equipment and materials needed for specific techniques along with check boxes accessed through eBook. Included with print purchase, eBook version is included with purchase of the print book, allowing you to access all the text figures and references with the ability to search, customize content, make notes and highlights and have content read aloud. The eBook also offers the complete collection of original video clips, heart sounds, client information sheets and hyperlinking of references to their source abstracts in PubMed. NEW Additional new material is

included on nutritional cardiomyopathy coronavirus infections host microbial interactions in gastrointestinal health and autonomic nervous system disorders More than 200 clinical algorithms aid in disease identification and decision making Fully searchable online text offers quick access to the most important newest and relevant veterinary information More than 250 client information sheets are available in the eBook included with print purchase with short easy to understand clinical descriptions of conditions diagnostics and treatment options these pages may be downloaded customized and printed as client handouts Thousands of references for the printed book are accessible online Expert contributors from around the world provide practical insight into the latest advances and issues affecting small animal medicine Bibliography of Agriculture ,1986 *Journal of the American Veterinary Medical Association* American Veterinary Medical Association,2015

Books In Print 2004-2005 Ed Bowker Staff,Staff Bowker, Ed,2004 **Proceedings** American Association of Feline Practitioners,1994 **Agrindex** ,1989 **Index Veterinarius** ,2001 *Bibliography of Agriculture with Subject Index* ,1994 **Constipation, Obstipation and Megacolon in the Cat** Gregory Greene,2001 *Megacolon in a 3-year-old Cat* Angela T. Jin,2018 A 3 year old male castrated domestic longhair cat presented to Cornell University Hospital for Animals Soft Tissue Surgery Service for evaluation of megacolon He had a history of chronic constipation and recurrent ostipation that began at 1 year of age He was medically managed with lactulose cisapride a diet of Hill s Urgent Care a d and occasional enemas and manual deobstipation Physical examination revealed no abnormalities aside from a palpable large feces filled colon in the abdomen and radiographs confirmed the diagnosis of idiopathic megacolon Surgical correction of the megacolon was successfully performed with a subtotal colectomy Post operatively the patient produced diarrhea for a week which improved to soft stool and two months later there have been no signs of constipation Megacolon is a descriptive term rather than a disease process with multiple possible etiologies This report will discuss the presentation diagnostics and medical and surgical treatments for idiopathic megacolon the most common form A Case of Feline Idiopathic Megacolon Mary St. Martin,2005 **Handbook of Feline Medicine** Josephine Wills,1993-01-01 The unique medical problems of the cat present a challenge to the veterinarian This multi author practical handbook has been written with the busy practitioner in mind Each aspect of feline medicine is covered with an emphasis on clinical problems differential diagnosis treatment In addition to a detailed consideration of disorders of various body systems of infectious problems the book also includes discussions of handling husbandry behaviour problems specific to very young very old cats Charts tables plus line drawings photographs illustrate the text make the book an attractive accessible manual *Development of Techniques to Evaluate Megacolon and Chronic Constipation in Cats* Valerie Fucci,1990

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