

Carlson College of Veterinary Medicine

FURst Aid: Dealing with Vomiting and Diarrhea in Dogs and Cats

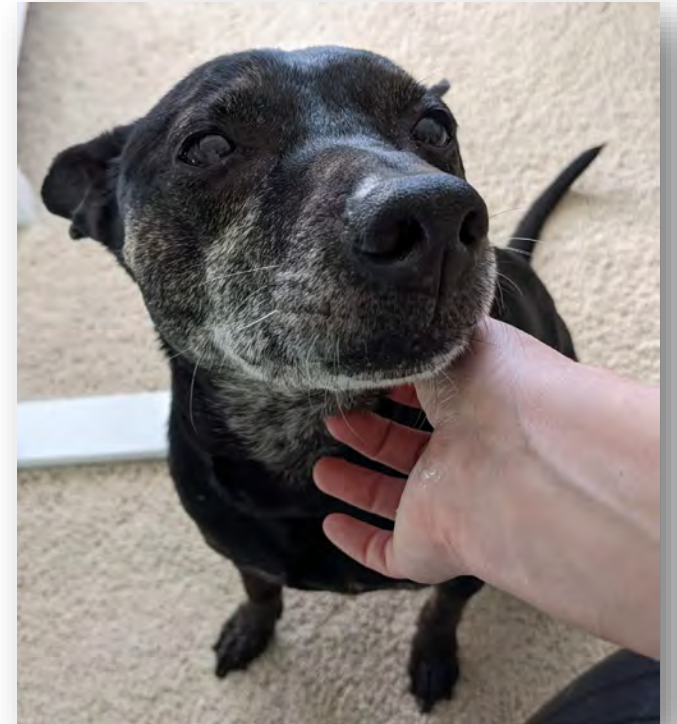
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Clinical Skills Instructor



Oregon State
University

Outline

- Definitions
- Common causes
- Treatment
- New medications
- Prevention



Definitions



Cat (noun.)

1. A mentor in grace and independence.

A clever companion who appreciates life's little joys and shows love through small, tender gestures. A unique creature who will leave a permanent pawprint on your heart.

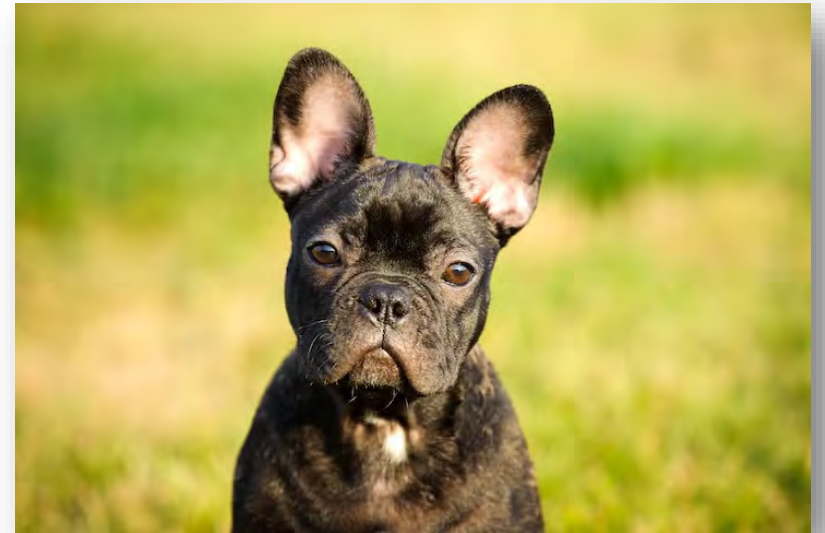
What is the GI tract?

- Mouth
- Teeth
- Tongue
- Esophagus
- Stomach
- Small intestine
- Large intestine
- Liver
- Pancreas

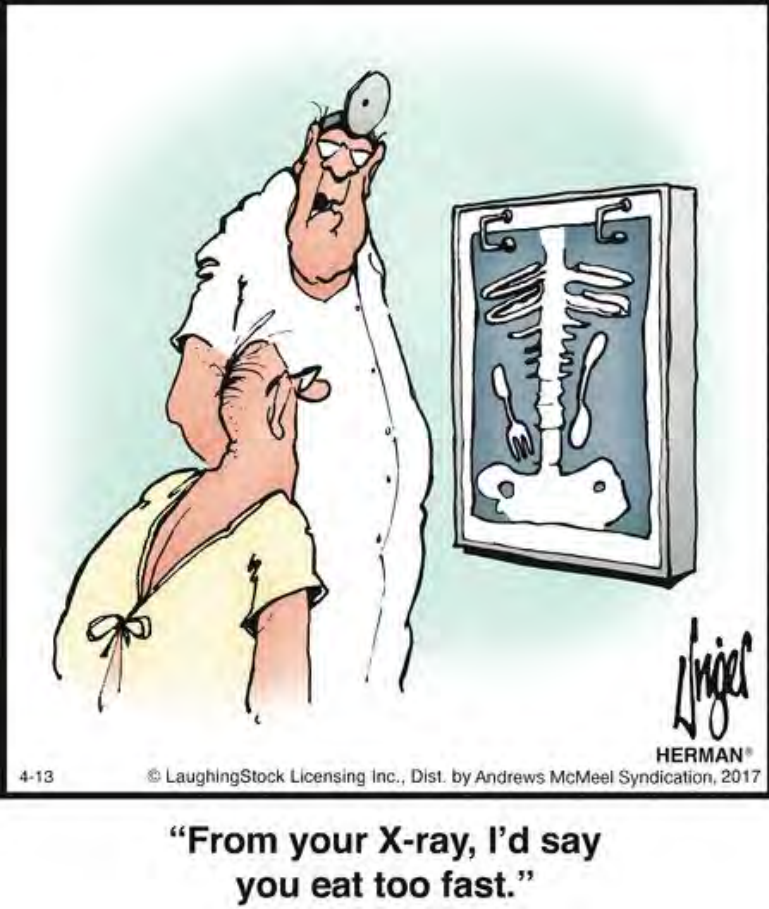


Vomiting or Regurgitation or Hairball?

- Vomiting = active process, often with signs of nausea, abdominal effort
- Regurgitation = passive process
- Hairball = cigar-shaped tube of hair
- If you're not sure, take a photo or video!



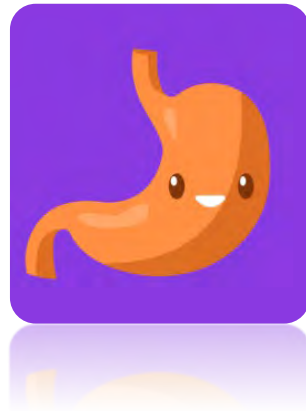
Common Causes



Common Causes of Vomiting

Primary GI

- Dietary
- Parasitic
- Inflammatory
- Obstruction
- Motility disorder



Secondary GI

- Metabolic/Endocrine
- Drugs or toxins
 - NSAIDs, antibiotics, chemo
- Pancreatitis
- Other



Common Causes of Vomiting in Puppies

- Intestinal parasites
 - Roundworms, giardia
- Dietary indiscretion
 - Gastritis
 - Gastroenteritis
 - Obstructions
- Vaccine reactions
- Infections
 - Parvovirus



Common Causes of Vomiting in Adult Dogs



- Dietary indiscretion
- Pancreatitis
- Inflammatory bowel disease
- Systemic disease
 - Kidney or liver disease
- Biliary vomiting syndrome
- Infection
- Cancer

Common Causes of Vomiting in Kittens

- Intestinal parasites
- Dietary indiscretion
 - Toxic plants
 - Toys
 - String or rope like material
 - Medications



Common Causes of Vomiting in Cats



- Hyperthyroidism
- Chronic kidney disease
- Diabetes
- Inflammatory bowel disease
- Cancer



Moving along in the GI tract...

Diarrhea or Constipation?








- Many animals with gastrointestinal disease experience *tenesmus*
- Try to watch your cat or dog passing stool and assess quality of bowel movement



Is my pets stool normal?

- Warning: Picture of feces!
- When in doubt, take a photo for your vet!



Score	Specimen	Characteristics
1		<ul style="list-style-type: none">Very hard and dryOften expelled as individual pelletsRequires much effort to expel from the bodyLeaves no surface residue when picked up
2		<ul style="list-style-type: none">Firm, but not hard: pliableSegmented appearanceLeaves little or no surface residue when picked up
3		<ul style="list-style-type: none">Log shaped; moist surfaceLittle or no visible segmentationLeaves surface residue, but holds form when picked up
4		<ul style="list-style-type: none">Very moist and soggyLog shapedLeaves surface residue and loses form when picked up
5		<ul style="list-style-type: none">Very moist, but has a distinct shapePresent in piles rather than logsLeaves surface residue and loses form when picked up
6		<ul style="list-style-type: none">Has texture, but no defined shapePresent as piles or spotsLeaves surface residue when picked up
7		<ul style="list-style-type: none">WateryNo texturePresent in flat puddles

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RN/CRCE

Common Causes of Diarrhea in Dogs

- Intestinal parasites
- Diet changes
 - New food or treats
 - Human food
- Fiber-responsive colitis
- Food allergies
- Stress
- Systemic disease
- Infections



Common Causes of Diarrhea in Cats

- Intestinal parasites
- Food allergies
- Inflammatory bowel disease
- Systemic disease
- Toxins
- Infections
- Cancer





Does my pet need to see a vet?

Does my pet need to see a vet?

- Is your pet eating and drinking water normally?
- How frequent is the vomiting or diarrhea?
- Is there blood present?
- Consider underlying health issues
- Any dietary indiscretion?
 - Did your pet eat something potentially toxic?
- Are you missing household items?
 - Dog toys
 - Baby items
 - Medications



Is it an emergency?!

- How to determine if it's an emergency
 - If kitten or puppy, better to err on side of caution!
 - Is the vomiting or diarrhea getting worse?
 - Is your pet eating and drinking?
 - How long has it been going for?
 - Is there blood in the vomit or diarrhea?
 - Is supportive care at home helping?
- When in doubt, call your veterinarian



Is it an emergency?! No 😊

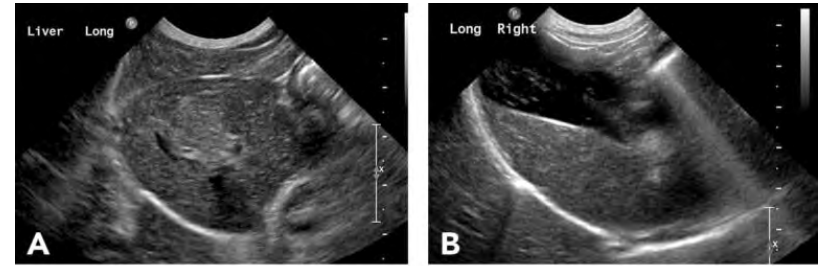
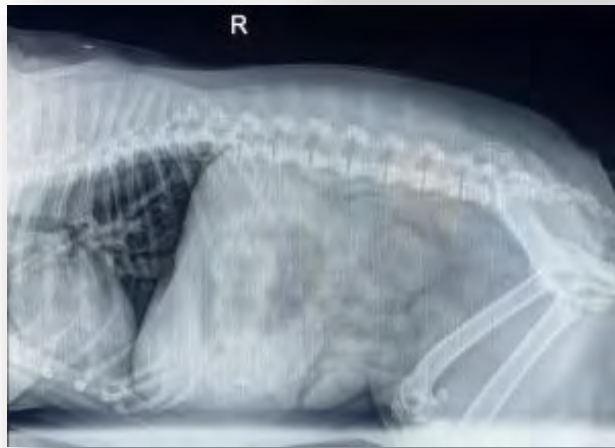
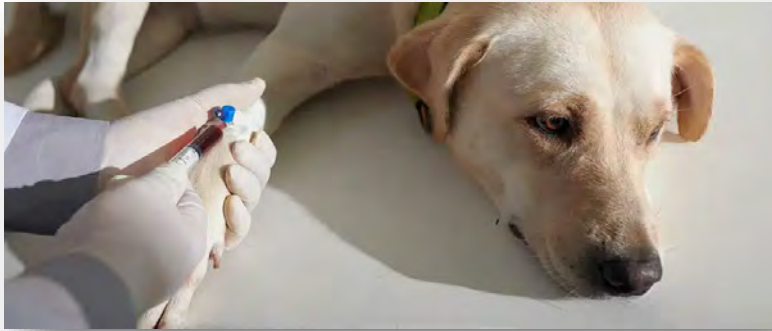
Safe At Home Treatments for Mild Cases

- Bland diet
- Feed multiple small meals
- Keep hydrated
- Probiotics
- Monitor carefully for 24 hours
 - Worsening symptoms warrants veterinary attention!
- Most minor cases resolve in a few days



Is it an emergency?! It is! ☹️

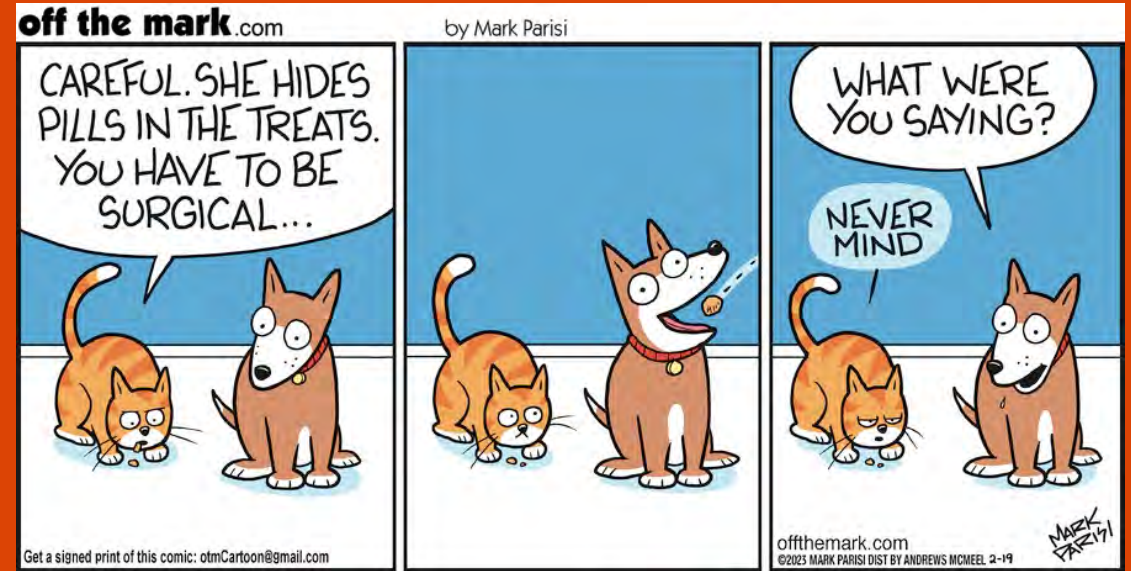
- Your ER veterinarian might recommend:



Lois Bates Acheson Veterinary Teaching Hospital

- Acute problem → Emergency Critical Care
 - Open 24/7 but limited availability
 - Need to schedule an appointment
 - Please call first!
 - 541-737-4812
- Chronic problem → Internal Medicine





New Medications

Hill's Gastrointestinal Biome Diet

- Proprietary blend of prebiotics that activates gut microbiome
- Can help firm loose stool in 24 hours and reduce risk of recurrence



Canine Parvovirus Monoclonal Antibody



- Conditionally approved monoclonal antibody (mAb) treatment that targets canine parvovirus (CPV)
- Administered IV

Why choose Canine Parvovirus Monoclonal Antibody?

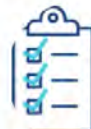
We anticipate Canine Parvovirus Monoclonal Antibody will help greatly decrease the burden of supportive care for CPV. You may be able to save days of labor and stress associated with managing the symptoms of this potentially deadly disease.



mAb that targets parvovirus directly



Single-dose efficacy

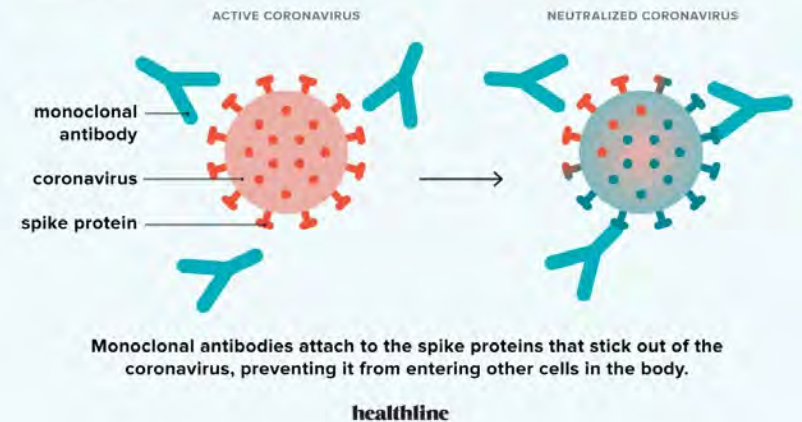


High safety profile



May help decrease burden of supportive care and may help reduce emotional stress

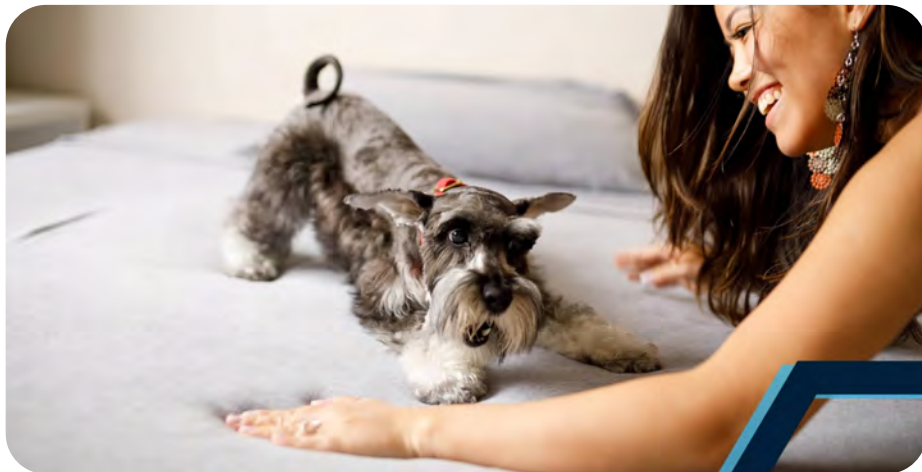
Monoclonal Antibody Treatment for COVID-19



Panoquell-CA1



- 1st FDA conditionally approved drug for pancreatitis in dogs
- Leukocyte function-associated antigen 1 (LFA-1) activation inhibitor
 - Blocks inflammatory pathway
 - Controls inflammation and may limit pancreatic lesion expansion
- IV injection 1X day for 3 days



Feline Diabetes



- Two recently FDA approved oral medications for diabetic cats!
- Once a day



Prevention is Key

- Be careful with the special treats – especially around holidays!
- Discuss the most appropriate diet for your pet with your veterinarian
- Keep trash can, medications, toxins, and plants out of pets' reach
- Supervise pets with toys
- Routine deworming and application of flea control
- Have your cat or dog visit a veterinarian at least once a year for annual bloodwork and physical exam

Tillamook



Oregon State
University

Thank you!

Lois Bates Acheson Veterinary Teaching Hospital

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