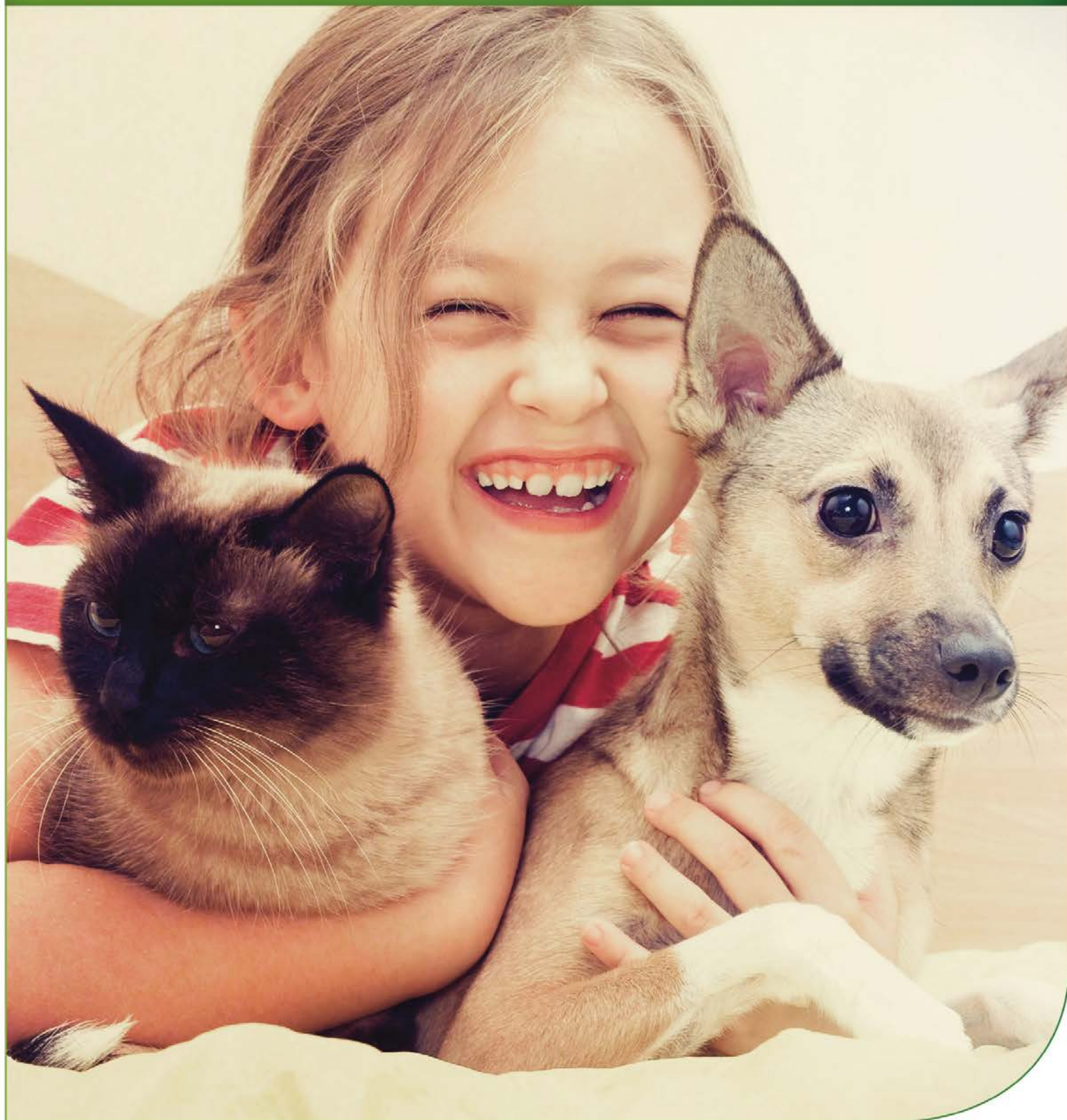


THE VETOQUINOL RENAL DIGITAL TOOLKIT



Your go-to source for relevant, client-friendly
communications about renal health in pets.

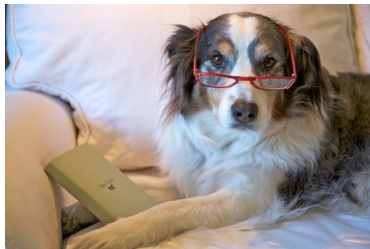
OCTOBER 2017



Social Media Posts

Instructions: Copy and paste the desired posts on your clinic's Facebook, Twitter or Instagram pages. Follow any additional steps as instructed.

- Kidney disease is irreversible and can be difficult to identify in pets without lab tests. We recommend regular exams for early detection.



[Note: The full-size image can be found in the "Social_Images" folder.]

- Don't play around with your pet's kidney health. Maintain annual wellness visits. Senior pets should be tested every 6 months.



[Note: The full-size image can be found in the "Social_Images" folder.]

- Chronic Kidney Disease is a leading cause of health issues in adult cats. Ask us about products to help maintain quality of life for your cat.



[Note: The full-size image can be found in the "Social_Images" folder.]

- Keep an eye on any changes in your pet's appetite. Weight loss and appetite changes are two common signs of Chronic Kidney Disease.



[Note: The full-size image can be found in the "Social_Images" folder.]

Social Media Posts (continued)

- 30-40% of cats over the age of 10 have Chronic Kidney Disease. Stay on top of your kitty's health by maintaining regular vet visits.



[Note: The full-size image can be found in the "Social_Images" folder.]

- While there is no cure for Chronic Kidney Disease, there are many options to maintain quality of life. Get your pet tested consistently.



[Note: The full-size image can be found in the "Social_Images" folder.]

- Is your cat drinking more than usual? Excessive thirst is one symptom of Chronic Kidney Disease. Schedule an exam today.



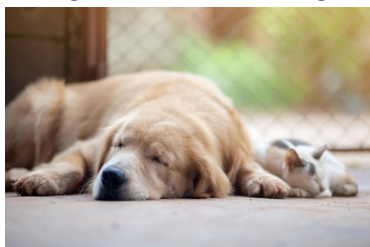
[Note: The full-size image can be found in the "Social_Images" folder.]

- March 8th is World Kidney Day. Celebrate by bringing your pet in for a renal panel!



[Note: The full-size image can be found in the "Social_Images" folder.]

- When it comes to kidney disease, early action is best! Be on the lookout for early signs such as appetite change, excessive drinking, and fatigue.



[Note: The full-size image can be found in the "Social_Images" folder.]

Social Media Posts (continued)

- Although Chronic Kidney Disease sounds scary, there are lots of options to get your fur-baby feeling more like their old self. Make an appointment today to get your pet tested!



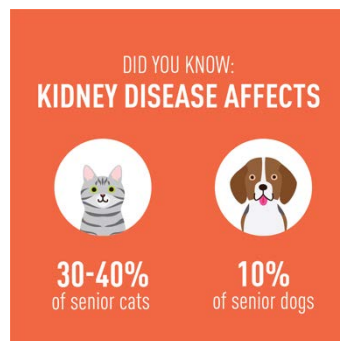
[Note: The full-size image can be found in the "Social_Images" folder.]

- Chronic Kidney Disease may sound frightening, but don't be scared. There are lots of options to get your fur-baby feeling more like their old self. Make an appointment today to get your pet tested!



[Note: The full-size image can be found in the "Social_Images" folder.]

- You can take action now to prevent and detect Chronic Kidney Disease in your fur-baby! Check out these quick tips. <http://bit.ly/2grjzQo>



[Note: The full-size image can be found in the "Social_Images" folder.]

Articles

Instructions: Use the following content on your clinic's website, blog or within a newsletter. Associated images are located in the "Article_Images" folder.

Importance of Routine Veterinary Care for Older Pets

Our pets are family to us and we want to give them the best. Providing routine care is one way we show our love. As they age, it can be difficult to recognize what our pets need. It becomes even more important to pay close attention to changes in their habits and maintain regular visits with your veterinarian.

When is your pet a senior pet? Cats and small breed dogs are considered senior at 7 years of age while large breed dogs are typically considered senior at 6 years of age.

For pets that have not yet reached senior status, it is recommended to have yearly exams. Along with the annual exam, your veterinarian will recommend routine vaccines, internal parasite control, heartworm prevention and flea/tick control. Other preventatives may be offered based on your regional location.



Once your pet becomes a senior, routine exams should occur every six months. Diagnostics such as bloodwork and urinalysis will likely be added to the exam. Based on those findings, further tests may be recommended to investigate any findings of concern. If there are specific problems, more frequent rechecks and diagnostics may be recommended to keep your pet as healthy as possible.

Your veterinarian will most likely discuss common problems in senior pets:

- Osteoarthritis
- Chronic Kidney Disease
- Liver disease
- Behavior problems
- Heart disease
- Thyroid disease (hypothyroidism in dogs and hyperthyroidism in cats)
- Dental disease
- Diabetes
- Other endocrine diseases
- Weight control

It is important to have annual (or bi-annual) routine exams, blood-work and urinalysis to maintain your senior pet's health. By following your veterinarian's recommendations, you may catch problems before they progress and keep your senior pet in tip-top shape.

Articles (continued)

Instructions: Use the following content on your clinic's website, blog or within a newsletter. Associated images are located in the "Article_Images" folder.

How Do I Know If My Cat or Dog~~Dog Or Cat~~ Has Chronic Kidney Disease?

The kidneys play an important role in many normal body processes. Normal kidney function involves the following:

- Filtering wastes from the blood and excreting them in the urine
- Balancing body salts, acid and water
- Maintaining normal red blood cell production
- Maintaining proper blood pressure
- Balancing calcium, phosphorus, and potassium



Chronic kidney disease (CKD) is a disease that affects both cats and dogs, though diagnosed more frequently in cats. It becomes more common as pets age. CKD is a progressive disease which causes the loss of kidney function over time. There are many causes of CKD. Regardless of cause, the disease often results in non-specific clinical signs.

How do you tell if your cat or dog has chronic kidney disease? This can sometimes be difficult as clinical signs appear late in the course of the disease and may not be obvious. One of the first things you may notice is that your dog or cat is more tired than normal. They may urinate and drink excessively. They may not eat all of their meal or stop eating completely. Other common clinical signs include vomiting, diarrhea, weight loss, dehydration and bad breath. If any of these signs occur with your pet, it is important to schedule an appointment with your veterinarian to have your pet evaluated.

What will happen at the veterinary clinic? Your veterinarian or veterinary nurse will collect a history on your pet. Be prepared to offer information as to when clinical signs first appeared, what your pet is doing at home, and how he or she is feeling. After collecting all the pertinent information, a physical exam will be performed which typically includes taking the temperature, heart rate, and respiratory rate of your pet and evaluating the skin, eyes, mouth, ears, hair, palpation of the abdomen (which can allow evaluation of the size of the kidneys), limb manipulation, and pain evaluation. After this, your veterinarian may recommend a minimum database be performed which includes a blood draw for a complete blood count (CBC) and serum chemistry and urine collection for a urinalysis.

- Complete Blood Count evaluates red blood cells and white blood cells specifically looking for anemia (low red blood cell count) and any signs of infection or inflammation (increased white blood cells).
- Serum Chemistry evaluates many components in the blood including those that are filtered by the kidneys, like blood urea nitrogen (BUN) and creatinine (Cr). Elevations in these values don't occur until 75% of the kidney function is lost and, in conjunction with other abnormalities, can lead to the diagnosis of CKD. In addition, the serum chemistry evaluates electrolytes and other substances that may be altered with CKD.
- Urinalysis evaluates the kidneys' ability or inability to concentrate urine and indicate urine infections and stones. Assessing the protein levels in the urine can also help add valuable information about the underlying condition.

In addition to a minimum database, your veterinarian may recommend more specific or clarifying procedures:

- Urine culture evaluates which bacteria are causing an infection and which antibiotics will be effective against the bacteria in the urine.
- Urine protein/creatinine ratio elevations can indicate specific dysfunction within the kidneys.
- Blood pressure increases are typically seen with CKD and it is important to control persistently elevated blood pressure.
- Radiographs evaluate kidney and bladder shape and size and may show evidence of certain types of stones in the urinary tract.
- Ultrasound offers a more detailed evaluation of kidney and urinary tract structures.
- Kidney biopsy can provide more information as to the cause of CKD though is not typically performed until after the diagnosis of CKD has been made.

Recently, a blood test was introduced called Symmetric Dimethyl Arginine (SDMA). The test detects 40% loss of renal function versus the typical 75% loss indicated by elevations in BUN and Creatinine. With the introduction of this test, kidney impairment can be detected earlier and interventions can be implemented to slow progression of the disease.

CKD is a common occurrence in cats and dogs. Knowing what to look for is the first step in properly identifying CKD in your pet. Identification of any of the clinical signs warrants an appointment with your veterinarian to evaluate for CKD. The earlier the diagnosis, the sooner treatment can begin, which can prolong the life of your pet.

Infographic

Instructions: Use the following content on your clinic's website, blog or within a newsletter.

The ZIP package contains a file named "vetoquinol-kidney-disease-infographic.pdf". Locate this file and use as desired (i.e., print out for in-clinic use, email to clients, etc.). Additionally, locate the file named "kidney-disease-infographic-teaser.png" in the "Social_Images" folder, upload it to your social media accounts and link it to <http://bit.ly/2grizQo>.

