

BFCA *Health Times*

BFCA Health Committee:

Summer 2016

**Vickie Halstead
Paula Hendricks
Joanne Rubin
Mayno Blanding
Nancy McDonald, chairman/editor**

Everyone wanted to win!

Everyone wanted to win the X-Power B-16 Stand Dryer that retailed for \$599 (including your health committee members). **"Thank you"** to everyone supporting this project that earned \$1310. That is half way to support of a research project.

The winner is:

Erayna Beckman Congratulations

Morbidity/Mortality Report 2016

There were not many reports turned in this year, but four of these are deaths that occur. It is hoped that illnesses such as bladder problems, skin problems, orthopedic injuries, pregnancy problems, dental diseases, cancers, etc will be reported.

2 deaths at ages 17 yrs; 1 death of cardiac disease, 14 yrs; 2 death of unknown cause, 14 yrs. laid down and died; 13 yrs. fell off the bed and died immediately. Illnesses: 2 with liver CA, 12 yrs and 9 yrs; kidney failure: 9 yrs and 17 years; gallbladder 13 yrs; severe IBD 14 yrs; 2 ACL tear, both over 10 yrs.

There was a question if we are seeing ACL (knee ligament) tears more often in Bichons over the age of 10 yrs. Please email rosevine12@gmail.com if you have seen this.

Reports from Morris Animal Foundation

Understanding How Mammary Cancers Develops: Update Gerlinde R. Van de Walle, DVM, PhD, Cornell University

Mammary tumors are one of the most common cancers in female dogs. Increasing evidence suggests that an enzyme, peptidylarginine deiminase (PAD), has an important role in mammary tumor progression. PAD can change the structure and function of other proteins through a process called citrullination, which helps transform normal cells into cancer cells.

With Morris Animal Foundation funding, researchers from Cornell University are investigating PAD-mediated changes in canine mammary cancer stem cells; data suggest that mammary stem cells are the primary targets for cancer development. The team has successfully isolated healthy and cancerous mammary stem cells for comparative analysis and has improved ways to generate their progeny for comprehensive study. Studying how PAD expression differs in healthy versus cancerous cells and tissue could lead to identification of a biomarker that is potential chemotherapeutic target for mammary cancer in dogs.

Over the next year, the researchers will study if PAD inhibitors can affect the growth and migration of canine mammary cancer cells in a laboratory setting. If they are successful, their findings could contribute to the development of more targeted and less toxic therapeutics for dogs with mammary cancers. (D14CA-063)

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Understanding the Genetic Basis for Urinary Stones: Final Report Edward E. Patterson, DVM, PhD, University of Minnesota

Although urinary bladder stones are common in all dogs, Miniature Schnauzers are 10-to-20 times more likely to develop a specific type of stone - calcium oxalate bladder stones - than other breeds. Calcium oxalate stones can cause bladder pain, infection, difficulty urinating and even life-threatening urinary obstruction. Although some bladder stones can be dissolved with dietary therapy, calcium oxalate stones need to be removed manually through surgery or other techniques. Even with dietary and medical measures after removal, calcium oxalate stones have a high rate of recurrence, which highlights the need for improved screening and treatment strategies.

Recent research suggests a strong hereditary component to oxalate bladder stone formation in dogs. To further explore this theory, Morris Animal Foundation-funded researchers from the University of Minnesota evaluated DNA from Miniature Schnauzers and other breeds at high risk for developing calcium oxalate bladder stones. The team also looked at underlying uring abnormalities associated with this condition in Miniature Schnauzers, Bichons Frises, and Shih Tzus

Through a genome-wide association study, researchers identified three chromosomal regions associated with risk of calcium oxalate bladder stone formation in Miniature Schnauzers. One of these regions also imparted risk in Bichons Frises. An exciting recent find was a genetic mutation within one of these regions that is strongly associated with oxalate bladder stones in miniature Schnauzers. However, further research is needed to firmly

establish a link between the presence of this mutation and disease development in other high-risk breeds.

The research team also confirmed that dogs that form stones, specifically miniature schnauzers, Bichons Frises and Shih Tzus, have higher urinary calcium levels than stone-free control dogs. This suggests that a high urinary calcium level is a contributing factor to stone formation in high-risk breeds and that treatments aimed at lowering urinary calcium levels could potentially help prevent stone development. Conversely, high urine oxalate levels were not seen in these same study dogs, which suggests that treatments aimed at decreasing urinary oxalate levels may not be needed.

Calcium oxalate urinary stones are a common and challenging problem for many dogs and their owners. Identifying causal genetic mutations will help researchers develop genetic screening tests for calcium oxalate bladder stones. A deeper understanding of the genetic and physiologic factors leading to stone formation, coupled with a strategy for identifying at-risk dogs, will help veterinarians provide better care for canine patients. For some patients, early identification of disease risk could be lifesaving (D12CA-031)

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New Protocol Gives Parvo Puppies a Fighting Chance When Owners Can't Afford Hospitalization

**Posted By Colorado State University Vet-School
In [Canine Health](#)**



Canine parvovirus is a serious and often fatal viral illness that most commonly affects puppies, though unvaccinated adult dogs can be infected as well. While treatment for parvovirus is available, it can be cost prohibitive for many families.

Now, a new protocol developed at the Colorado State University Veterinary Teaching Hospital may help save “parvo puppies” and give their families a chance to give their dogs a healthy life. “Parvovirus is one of the most common and deadliest viruses that unvaccinated dogs tend to get,” said Dr. Lauren Sullivan, an Assistant Professor in the Department of Clinical Sciences and a veterinarian with the Critical Care Unit at the Veterinary Teaching Hospital. “While a vaccine is available, puppies can be exposed to the disease before their vaccinations are complete, or if they haven’t received puppy wellness care due to their owner’s financial limitations.”

Parvovirus, which is spread through exposure to feces from infected dogs, has a wide range of symptoms including lethargy, vomiting, fever, and diarrhea. It primarily impacts the gastrointestinal tract and the circulatory system, where it suppresses the bone marrow and causes the white blood cell count to drop. Veterinary care focuses on supporting the puppy with IV fluids and antibiotics, and close monitoring, while the puppy weathers the viral storm. Without intensive veterinary intervention, parvovirus is almost always fatal due to dehydration and/or a severely compromised immune system.

Intervention, while effective, requires inpatient care ranging from \$1,500 to \$3,000 – a cost some owners simply can’t afford. Euthanasia often becomes the only other option for severely affected dogs.

CSU researchers are showing that there is another possibility – intensive at-home care at a fraction of the cost (\$200-\$300), but with similar outcomes when compared to the inpatient “gold standard” of care. The treatment relies on two drugs recently released by Pfizer Animal Health (which funded the CSU parvovirus study): Maropitant, a strong anti-nausea medication given under the skin once a day; and Convenia, an antibiotic given under the skin once, and lasting two weeks; as well as administration of fluids under the skin three times daily.

“Rather than being hospitalized, our research shows that puppies can be successfully treated with a protocol that can be replicated at home,” said Dr. Sullivan. “We still recommend inpatient care as the best practice, but in some cases that simply isn’t financially possible.”

The study, which began June 4, was conducted by Drs. Sullivan, David Twedt, Pedro Boscan, Emilee Venn (a resident in critical care); Karolina Preisner (student coordinator), and veterinary students interested in the research experience. The study was advertised to veterinarians in the greater Colorado community, who referred cases from their practices. A total of 40 dogs were admitted to the study group, randomized to one group that received traditional gold standard care and one group that received the at-home protocol.

“What we showed was that it is possible to treat dogs with parvovirus on an outpatient basis,” said Dr. Sullivan. “If owners have the willingness to provide care at home, it’s a reasonable alternative. It’s not ideal and we still recommend inpatient care, but having this protocol as an option could help save the lives of thousands of dogs across the United States every year.”

While results of the study are still being compiled, Dr. Sullivan said that early numbers show an 85 percent survival rate for the outpatient group, compared to a 90 percent survival rate for the inpatient group. One patient was moved from the outpatient group to the inpatient group when its medical condition deteriorated.

“A really wonderful part of the study was the outpouring of gratitude from pet owners who were told their dogs weren’t going to make it,” said Dr. Sullivan. “Seeing them take their puppies home was very gratifying. The feedback we have had from general practitioners also has been rewarding; they are very excited to see something like this published. This is real life for them, having to deal with these difficult cases and not having great options.

“Of course, the most important thing we can do as veterinarians is work hard to educate people about parvovirus. It can be prevented, and that’s the best option of all.”

Preventing Parvovirus

Vaccination is the most sure-fire way to prevent puppies from being infected with parvovirus. Puppies have immunity from their mothers early in life, but should receive their first vaccine between 6 and 8 weeks of age (after weaning), and then two boosters at three-week intervals. Puppies are not fully protected against parvovirus until they have completed the multiple rounds of vaccinations.

While owners often are excited to show off their new puppy, the risk of taking a puppy out in public outweighs any benefit. Owners should avoid taking puppies to pet stores, doggie day care, kennels, dog parks, or other places that dogs frequent until the puppy has its complete set of parvovirus vaccinations

For veterinarians who wish to consult with Dr. Sullivan or Dr. Venn on the parvovirus protocol, visit the Veterinary Teaching Hospital Critical Care Unit. Dr. Sullivan expects the results of the parvovirus study to be first presented at the College of Veterinary Medicine and Biomedical Sciences Research Day early next year, prior to being submitted for publication in professional journals.

July 3, 2016

CHIC REPORT 1st and 2ND QUARTER 2016

ORIGINAL QUALIFIERS	362	July 2007
TOTAL QUALIFIERS	996	April 2016
<u>NEW 2ND QUARTER 2016 QUALIFIERS</u>	<u>15</u>	<u>July 2016</u>
TOTAL QUALIFIERS	1011	July 2016

ORIGINAL UPDATES	52	July 2007
TOTAL UPDATES	415	April 2016
<u>NEW 2ND QUARTER 2016 QUALIFIERS</u>	<u>17</u>	<u>July 2016</u>
TOTAL QUALIFIERS	432	July 2016

June 30, 2016

CHIC 5 STAR AWARDS

The BFCA Health Committee has issued the first of the CHIC 5 Star Awards to the following:

Merrymaker's Living Doll	Cindy Morey	11/15/09
Merryell Absolutely Spellbound	Mayno Blanding	11/29/09
Jasme Raggedy Ann	Mayno Blanding	11/29/09
Victoire's Cheers to Austin	Vickie Halstead	11/30/09
Victoire L'Amour Champagne Lace	Vickie Halstead	11/30/09
Victoire Juniper's Hot Tamale	Vickie Halstead	11/30/09

Victorie's Norwegian Red	Vickie Halstead	11/30/09
Victoire Melodie's Bleu Reign	Melodie Michel	11/30/09
Victoire Diamond Rio Citrine	David & Darlene Scheiris	12/02/09
Mybliss Galway's Irish Imp	Nancy Noonan	06/06/10
White Shadow Galaway Hide N'Seek	Nancy Noonan	06/06/10
Allure's U Chenoa Joe	Lisa Des Camps	10/01/10
Victorie Gerie No Lemon Gemstone	Vickie Halstead, Mary Wangsness	11/30/10
Paray Parasol of Knollwood	Susan & Dean Anneser	12/1/10
Paray's Secret Encounter	Susan & Dean Anneser	12/1/10
Merrymaker's Southern Charm of Bibelot	Cindy Morey	1/13/11
MyBliss Petite Coquette	Loretta McDonald	3/16/11
Jabree's Jack of Hearts	Nita & Mark Gryan	3/23/11
Bibelot's Sugar Plum Dancer	Paula Hendricks	6/6/11
Bibelot's Purple Heart O'Mine	Matt & Paula Abbott	9/12/11
Jabree's Bellefleur La Jolie	Nita & Mark Gryan	12/19/11
Bijone's Mon Cheri Music of the Nite	Susan Brockett, Barbara Shaffer Nicole Shaffer	1/4/12
Mybliss Dandy Devil Wears White	Myra Wotton, Jan & Alan Shetzer	1/5/12
Crème's Fool's Rush In	Carol Haines	5/3/12
Crème's Brandy Alexanderia	Carol Haines	5/3/12
Crème's Madam President	Carol Haines	5/3/12
Mybliss Expertly Engineered	Myra Wotton	7/26/12
Luvit's A Rolex Cellissima At Dalnavert	Linda Ross, Bernice & Brian Lucus	8/1/12
Saks Winning Card	Sandra & Kieth Hanson	8/6/12
Saks Hamelot Little Drummer Boy	Sandra & Kieth Hanson	8/6/12

Bella Diamella Sunday Surprize	Stephanie Uva, Katherine Dillon, Lisa Des Camps	8/19/12
MyBliss Sport Edition At Bella	Stephanie Uva, Myra Wotton	8/19/12
Luvit's A Rolex Yacht-master At Dalnavert	Bernice & Brian Lucus, Linda Ross, Marilyn Torrance	11/7/12
Luvit's a Rolex Daytona At Dalnavert	Linda Ross, Bernice & Brian Lucas	11/26/12
Bibelot's Destiny Awaits	Paula Hendricks, Gina Pantely	11/26/12
Victoire Phantom's Devil in Disguise	Diana Bugos, Vickie Halstead	12/4/12
Luvit's Dalnavert Double Destiny	Linda Ross, Bernice & Brian Lucas	1/11/13
Craigdale Chip Off The Rock	Cheryl Blair & Patricia Dale Hunter	2/28/13
Knollwood's Henry	Susan Anneser & Dean Anneser	3/11/13
Luvit's Dalnavert Olympic Omegamania	Jill SanFilippo, Linda Ross, Bernice & Brian Lucas	3/11/13
Bibelot's Witchful Thinking	Paula Hendricks, Janet Jamison	5/13/13
Miabella Dancing Queen	Sheryl Kapella	6/3/13
Miabella Head Over Heels	Sheryl Kapella	6/3/13
Hollyhock She Returns	Debra Gibb, Linda Rowe	6/18/13
Doriann's Saks Hollywood Bombshell	Michelle and Carol Konik	10/29/13
Doriann's Tennessee Gentleman Jack	Michelle and Carol Konik	10/29/13
Doriann's The Duke of Prelude	Michelle and Carol Konik	10/29/13
She Bichons Elizabeth Taylor	Sharon E. Hunkins	2/15/14
She Bichons Sundance Kid	Sharon E. Hunkins & Dale Schwab	2/25/14
She Bichons Gary Cooper	Debra Gibb and Sharon Hunkins	7/3/14
She Bichons Betsy Ross	Sandy Fishell & Sharon E. Hunkins	11/19/14
Merryell Defying Gravity	Mayno Blandling	11/19/14

Doriann's Hunk of Burnin' Love	Michelle Brosdal and Carol Konik	1/8/15
Beaujolois's Royal Conspiracy	Marsi Harvey and Lois Morrow	3/6/15
Doriann's Poetic Justice	Michelle Brosdal & Carol Konik	4/9/15
Doriann's Gentlemen Prefer Blondes	Michelle Brosdal & Carol Konik	4/11/15
Phantom Victoire Claus's Rudolph's Better Half	Mollie Fletcher & Diana Bugos	4/24/15
Doriann's Here's Looking At you, Kid	Michelle Brosdal & Carol Konik	7/21/15
Victoire McNelson's Beau Jangles Gemstone	Heather McKay, Scott Nelson, Vickie Halstead	7/21/15
Doriann's Hello, Gorgeous	Michelle Brosdal & Carol Konik	8/27/15
Hollyhock Dazzle and Delight	Debra Gibb, Linda Rowe	10/19/15
Aphrodite's Reflection Robin Hood	Sharon Hunkins	10/28/15
MyBliss Saks Against All Odds	Myra Wotton	11/12/15
Overtop Shining Star For SHE Bichon	Sharon Hunkins	1/16/16
Cher Ami's Summer Days Summer Nights	Susan Anneser, Dean Anneser,	1/26/16
At Knollwood	Deena Mathog	
Bibelot Celebrates Victoire	Paula Hendricks & Sandra Orford	6/4/16
SHE Bichons Dolly Madison	Sharon Hunkins	6/30/16