



BUSH VETERINARY  
NEUROLOGY SERVICE

*Until one has loved an  
animal, a part of one's soul  
remains unawakened.*

*-Anatole France*





## *Thank you from Bush Veterinary Neurology Service*

Your clients and patients depend on you for a lifetime of care and they trust you to help them make the right decisions. BVNS is proud to be your Veterinary Neurology partner and we are dedicated to providing you with the service you need while providing the care your patients and clients deserve.

This book is our way of saying “thank you” not only for the referrals that you have sent, but also for entrusting BVNS to be your partner in care.

Because of your continued support, we have been able to treat more veterinary neurology cases than anyone in the United States and we feel privileged to help thousands of pets and owners each year.

We hope you and your staff will enjoy these stories of success knowing that without your support, these stories would be unwritten.

Thank you for trusting BVNS as your Veterinary Neurology partner. Together, we are saving lives.

## Our Specialists

The BVNS team is led by a group of Board Certified Veterinary Neurologists who have undergone extensive education and testing to specialize in veterinary neurology. Their education and training ensures that your clients and their pets receive the care they need and deserve.

## Our Support Staff

While our team is led by our Specialists, our Hospital Staff play an important role in the care of your patients and ensuring that their experience is exceptional from start to finish.

From our Executive Director to those who greet them when they arrive at one of our offices – every team member is a pet owner and pet lover and each is fully dedicated to our core values of compassion, innovation and quality.

## Our Core Values

As pet owners and lovers, we understand the importance of **compassion**, **innovation** and **quality**.

These foundations ensure that your clients and their pets always receive compassionate and supportive care, access to the latest research and innovation and have complete access to our team of highly-trained and dedicated doctors and staff.

## Why I Love My Job

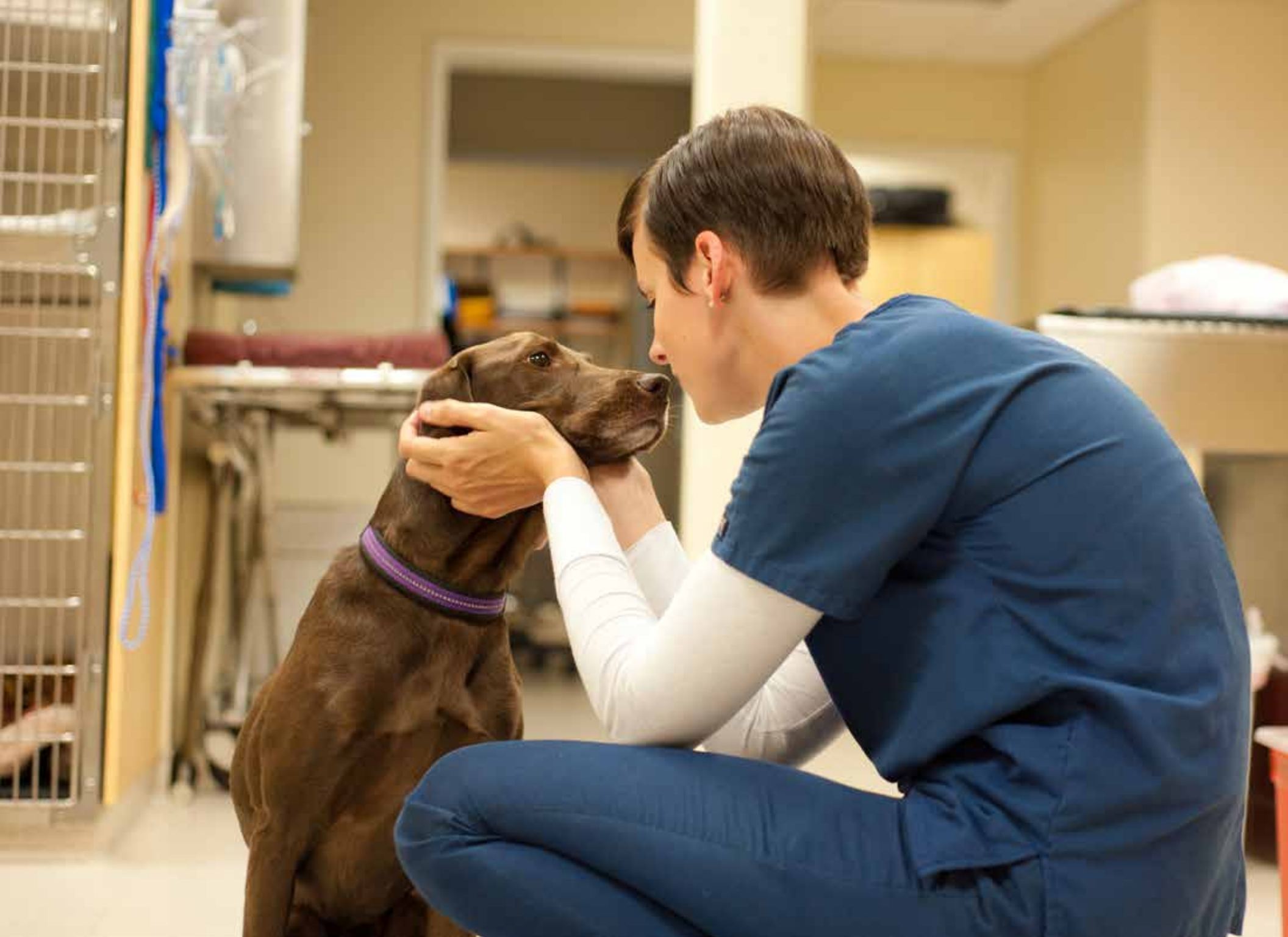
“In every case, every scenario, no matter how young or old, every client is me, every patient is my pet. In sharing histories, I find every story is my story. BVNS allows me to welcome someone new into my family with every appointment, just as they (BVNS), have welcomed me into THEIR family.”

— Judy, Veterinary Assistant

“I love BVNS because it allows me to work in my career field while being part of the veterinary industry. BVNS lets me be part of a team actively making a difference in the lives of animals and the people who love them.”

— Michelle, Senior Accountant







# MacDuff

“ We feel ongoing gratitude for the excellent,  
kind care he received from everybody at BVNS ”

*Today we're celebrating Macduff's one-year anniversary after surgery at your wonderful clinic. We feel ongoing gratitude for the excellent, kind care he received from everybody at BVNS, including Drs. Brewer, Jarboe and Cuff, the techs and people in your office who looked after him and assisted in coordinating Macduff's treatment and recovery.*

*Our invaluable family member has had a very good year. While he's a bit slow to hoist his back end up from lying down, he takes enthusiastic half-hour daily walks and enjoys family movie nights on Saturdays. When we carry him upstairs to watch a movie with us on a couch he's lifted onto and off of – though he certainly thinks he's capable of doing that himself. When we brought him to you last summer, Macduff had lost continence and use of his tail and could scarcely walk. We'd been told his chances for recovery were slim to none, but that it might be worthwhile to travel the hour from our home in MD to you. We'd had an end of life conversation with our vet, and our college-age son had traveled home from NYC to say good-bye.*

*All that seems long ago. Macduff is a very happy dog. Of course we could say, too, that he's a lucky dog, but of course we'll say, instead, that we are the lucky ones, to have him. We hope that, at age ten or so, Macduff will be with us for quite a while yet.*

*Many thanks and all best wishes.*

*MacDuff's Family*

Thank you to the entire  
team at Bradley Hills  
Animal Hospital for  
sending MacDuff our way.



“Chloe still likes to play the drama queen, but she is virtually pain free.”

Chloe, a 4 year-old female spayed Lhasa Apso, presented to BVNS Springfield with a three day history of progressive severe back pain. An MRI revealed a disk herniation that was compressing the nerve root at her T13-L1 disk space. Surgery was performed and the offending disk material removed. Following surgery Chloe has progressed very well, is free of pain, and resting comfortably at home as you can see in this photo.

*Thank you all so much for taking care of Chloe! She is recovering so quickly, I am amazed! I cannot thank you all enough! Chloe still likes to play the drama queen, but she is virtually pain free.*

*She is staying in the crate with no problems and her appetite is strong as ever. When I carry her outside for her potty breaks, she does a little walking and her gait has gotten more regular with each trip outside. I do the exercises with her that are in the packet, and she is fine with them.*

*Chloe's Family*



Chloe was referred by the team at Companion Animal Hospital. Thank you, Companion staff!

Chloe





# Bette

Thank you to the staff of  
Old Dominion Animal  
Health Center for referring  
Bette to BVNS.

Bette was referred to BVNS after being treated for ten months with non-steroidal anti-inflammatory and anti-pain medications to treat the pain and discomfort that began in June of 2010.

Upon examination, an MRI was recommended. MRI revealed two disk ruptures and as a result surgery was recommended. During surgery it was determined that only one of the two ruptures could be successfully repaired. Luckily, that appears to have been enough as Bette continues to do well and improve. We hope that the future holds many fun-filled and pain-free days, weeks and years for Bette and her owner, Ron.


“ She is acting once again like the Bette she always was. ”

*Although it has not yet been two weeks since Bette had her disc surgery, I wanted to write to express my sincere thanks for all you have done for her. As Dr. Hague saw when I brought Bette in on Saturday for her suture removal, she is doing amazingly well. As I watch her when I get home from work, I realize that she has not been this comfortable and pain-free in nearly nine months. She is acting once again like the Bette she always was.*

*Her improvement has been dramatic, but it's really the little things that let me know that she is a happy dog once again. For the first time in months, she walked over to her toys last night and picked out one of her favorites and brought it over to her bed to play with it. She did the same again today with another toy. She has once again begun to interact with my 15 year-old blind beagle. Bette has always treated her as if she were her mother, and now that she is feeling well, Bette wants to lie down next to her and lick her face. It actually brings tears to my eyes to see the two of them like this once again.*

Ron





MRI is often the best imaging option for our patients and having it onsite at all of our full-service locations can allow us to provide a more accurate diagnosis and same-day treatment.

## Biscuit

Biscuit was initially seen two days before Christmas because she couldn't move her right front leg. Her quality of life was poor, but we were hopeful that we could help improve her condition. Biscuit underwent an MRI, which showed a severe disk extrusion resulting in emergency surgery the evening of 12/22. The surgery was successful and after a short recovery we are happy to report that she WAS HOME WALKING FOR CHRISTMAS.

Biscuit was referred by Del Ray Animal Hospital. Thank you to the entire team at Del Ray.



...surgery was successful...

she was home walking for Christmas. ”





Riley was referred by Dr. Nancy Barnett at Stonewall Veterinary Clinic for being unable to rise, muscle loss and being very painful. He would persistently whine and cry throughout the day and night. He was diagnosed via MRI with an infection of the intervertebral disks and adjacent bone and soft tissue. It was inferred that the infection was from a methicillin-resistant Staphylococcus aureus (MRSA) because this bacteria had grown in his urine one month prior to presenting to Dr. Bush at BVNS. Riley was treated with aggressive pain management, the use of clindamycin and a slow, tapering course of prednisone (a steroid). This treatment combined with a very dedicated owner ultimately allowed Riley to survive this disease.

*I just wanted to send you a quick email to not only update you, but also thank you once again for saving my boxer Riley! It's been a little over a year and a half since he was one of your patients and he actually turns nine this month and is doing great! He is completely off of the steroids and remains on a small dose of his antibiotics and acetaminophen for his arthritis.*

“...thank you once again for saving my boxer Riley!”

*I am sure you are so busy, but I really wanted to thank you again for your knowledge and your efforts that have kept Riley with me for this long!*

*Laura*

Thank you to the  
team at Stonewall  
Veterinary Clinic  
for sending Riley  
our way.



*Riley*



A photograph of a man with grey hair, wearing a blue jacket over a white shirt, holding a small black French Bulldog puppy. The man is looking down at the puppy with a gentle expression. The background of the photo is white. The photo is set against a larger background of blue and white watercolor splashes.

# Henry

Henry is a 2 year-old French Bulldog referred by Dr. Peter Pruckowski at Catoctin Veterinary Clinic for being weak and wobbly on the pelvic limbs, lame on a right thoracic limb, lethargic and febrile.

Henry is a clear favorite as evidenced by this picture with Dr. Bush.

Neck pain and joint pain were present upon examination and we deduced the problem was either an infection or immune disease of the joints and lining of the meninges. This is also called polyarthropathy and meningitis. Drs. Hague and Bush did not feel a MRI was required, but instead choose to run blood tests and assess his response to medication. Henry made a rapid and complete recovery but with an interesting twist: Henry improved on antibiotics despite infectious tests that came back as normal. Henry's recovery was even more surprising because he also tested positive for immune disease and yet recovered without receiving any immune modulating drugs. Despite these mysteries, we couldn't be happier with his recovery.

Although he was a clinical challenge, Henry is a clear favorite as evidenced by this picture with Dr. Bush. We expect Henry will stay well for a long time to come.

**Thank you, Catoctin  
Veterinary Clinic, for your  
referral of Henry.**





When the health of your pet appears at the worst, this is often when we can help the most. By providing sound medical service and compassionate care, we'll put our heart and soul into helping you and your pet.

*Vinny*

Although he looks contemplative in this picture, we knew Vinny to be quite feisty and a little bossy.

Vinny hailed from Richmond and presented to the Leesburg practice over 2 years ago semi-comatose and unable to walk.

Vinny was diagnosed with meningoencephalitis. We suspected GME (granulomatous meningoencephalomyelitis) which is an auto immune disorder which causes the body's immune system to attack the lining of the brain (meninges) and brain.

Vinny was referred by  
Wellesley Animal Hospital.  
Thank you, Wellesley.

“ Vinny's owners were fantastically dedicated to him... ”

Vinny's owners were fantastically dedicated to him and were the principal reason he did so well with this serious disease.







Cooper

We'd like to thank Animal  
Clinic & Wellness Center for  
referring Cooper.

Cooper is a 9 year-old Airedale Terrier who was brought to BVNS for inability to walk and severe neck pain over the previous two days. We performed an MRI of Cooper's neck and found some severe changes that were consistent with an abscess within the neck muscles extending down into the spinal canal.



Thank you for giving me my life back, Doc!



Cooper's owners wanted to give him the best chance, so Dr. Jarboe and Dr. Cuff performed surgery to remove as much of the abscess as possible and over the following week Cooper was cared for by the BVNS staff. By the time he went home he was able to walk with minimal support and was able to move his head and neck with improved range of motion and comfort. He went on to show continued improvement and made a full recovery over the following weeks.

The cause was likely a migrating grass awn. Samples taken at the time of surgery showed evidence of plant material. Cases like this are very uncommon and we hardly ever have direct evidence for the cause; they are also notoriously difficult to treat. In this case the surgeons' skill in conjunction with a tenacious patient and some loving owners led to the successful outcome we were all rooting for.







# Tenchi

Thank you to the team at Ashcake Animal Clinic for sending Tenchi our way.

Tenchi is a 6 year-old Chihuahua that came to BVNS from Richmond on New Year's Day paralyzed on the right pelvic limb and unable to walk. An MRI showed a disease called fibrocartilaginous emboli (FCE), which develops when disk material clogs the blood vessel to the spinal cord resulting in a spinal cord stroke. This is common in large dogs and pigs, but uncommon to rare in small dogs and people. Studies show that if more than 90% of the spinal cord is diseased on cross sectional imaging the patient will not get better. Happily, only 60% of the spinal cord was affected and Tenchi will likely make a complete recovery! We are happy that we could help Tenchi and his family during a very difficult time.

We know that emergencies can happen at all hours of the day, even around the holidays. This is why we are always available and why we are collocated at facilities with 24-hour emergency services.

“Tenchi will likely make a complete recovery...”





Ashley

Our team leads the way in research on EEG, the latest seizure medications and the treatment of brain tumors.

BVNS would like to thank Cumberland Valley Veterinary Clinic and Middletown Veterinary Clinic for sending Ashley to us.

BVNS applies cutting edge and novel treatments to address some of the most difficult medical and surgical conditions in man and dog.

While not every case ends in complete recovery, the information garnered from each clinic case is a small piece in the bigger puzzle of curing diseases such as brain tumors.

One example is Ashley, a 10-year-old Goldendoodle, who was referred to us in May for an increase in her seizure activity. MRI determined a large brain mass was present that would need to be removed.

The tumor was confirmed to be an atypical meningioma. A novel anti-cancer treatment is currently being used by The Ohlfest Laboratory at The University of Minnesota where they are creating a vaccine from the dog's own tumor cells to help the animal's immune system to fight the cancer. Ashley underwent this novel vaccine treatment.

While Ashley is no longer with us, what we learned from her case will benefit not only other dogs, but also people with the same disease. Proving the adage that dog truly is man's best friend.

# Frankie

Frankie was referred by Woodworth Animal Hospital. Thank you for sending Frankie our way.

Frankie is a 7 year-old Corgi that presented to BVNS for an inability to walk, inability to urinate, paralysis in the thoracic limbs and neck pain.

Frankie (and his owners) had endured weeks of neck pain and only in the last 24 hours had he become paralyzed and unable to walk or urinate. Frankie had an MRI and emergency disk surgery. He was immediately more comfortable and within two days he was walking but weak.

“...I had such an outpouring of gratitude that I just had to put it on paper...”

*We took our sweet 7 year old Welsh Corgi, Frankie, in to see Dr. Bush when he was not able to walk or even stand anymore. It seemed hopeless to us and we were just heartbroken seeing him that way. Our vet recommended Dr. Bush and we made the 2 ½ hour trip to Leesburg not knowing what to expect. We had even prepared our hearts to not come home with him ever again if he was not able to be helped.*

*How very fortunate we were that their MRI identified the problem as a ruptured disc and we were told surgery would do the trick. The problem was clearly evident when we viewed the images and they were able to perform the operation immediately. We were sent home but able to pick him up within three days! During that time, I had such an outpouring of gratitude that I just had to put it on paper, so I painted a watercolor of Frankie.*

*Thank you ever so much!*

*Lisa & Don*





# Bella

Towne Animal Clinic  
referred Bella to BVNS.  
Thank you to the entire  
team at Towne.



...thank you...for helping us make these difficult decisions...



*We are so happy that we went with the MRI and discovered that surgery was not necessary after all. It saved her (and us) from a lot of unnecessary pain and anguish. She is doing much better today and we are so excited to have her home again. We would like to thank you and Dr. Hague again for helping us make these difficult decisions that ultimately saved her life. You have helped restore our family!*

*Bella's Family*

Bella is a 4-year-old Cocker Spaniel who presented in 2010 with back pain and paraparesis. She responded to treatment with doxycycline and improved. However, she was brought in again in November with paraparesis and within hours lost the ability to walk, at that time she was brought to the ER at The Life Centre. She was referred to BVNS and our examination demonstrated a left-sided spinal cord lesion at the thoracolumbar junction with a Type I disk extrusion thought to be more likely than infection, inflammation or other causes.

Bella's owners considered myelography outside of BVNS but ultimately decided on MRI due to its decreased risk, increased effectiveness and ability to help us differentiate between patients who will improve with surgery and those that may not. It was a very fortunate decision as the MRI showed a small disk extrusion at T11-T12 but the inside of the spinal cord also showed multifocal areas of increased signal on T2 weighted sagittal and axial imaging. Spinal fluid analysis confirmed meningomyelitis from either infection or Granulomatous Meningoencephalomyelitis (GME). Bella has improved greatly with treatment and is now back to normal!



“ Thanks for taking care of Gizmo and us too! ”

*A HUGE thank you to Dr. Young and ALL the staff at Bush Neurology and Dogwood for all you've done to help our little Gizmo. A special thank you to Carol, who went out of her way to make me feel at ease upon every visit and phone call. EVERYONE was so kind and caring to not only our beloved pet but also to me and my husband. Giz has a long road of hard work ahead of him to walk again, but he will and thanks to Dr. Young and everyone who cared for our little man, he now has that chance whereas he would not...had it not been for their skill, knowledge and exceptional care. Thanks for taking care of Gizmo and us too!*

*Here he is, fresh from your office for his check up and staple removal...happy to be home again and relaxing. I'll keep y'all updated on his progress.*

*Gizmo's Family*



We would like to thank  
Chester Animal Clinic for  
their referral of Gizmo.

At BVNS, we are pet lovers and pet owners so we know just how important each day can be. Which is one reason we offer same-day consultations!

*Gizmo*



BUSH VETERINARY  
NEUROLOGY SERVICE

-  Same Day Appointments
-  24/7 After Hours Support
-  Onsite MRI
-  Compassion, Solace and Caring  
From Every Staff Member
-  A Team That Includes The Best In The Industry

Contact us  
today for more  
information.

#### Four Convenient Locations

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165 Fort Evans Road NE  
Leesburg, VA 20176  
P 703.669.2829  
F 703.669.2870

**Regional Veterinary Referral Center**  
6651 Backlick Road  
Springfield, VA 22150  
P 703.451.3709  
F 703.563.9681

**Dogwood Veterinary Emergency  
& Specialty Center**  
5918 West Broad Street  
Richmond, VA 23230  
P 804.716.4716  
F 804.716.4814

**Hope Advanced Veterinary Center**  
1 Taft Court  
Rockville, MD 20850  
Opening Spring 2014

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