It is with bittersweet emotion that I write this final President’s Report. I have thoroughly enjoyed my tenure and working with the amazing group of veterinarians who comprise this board, as well as, our phenomenal executive director, Bland O’Connor and hardworking Association Coordinator, Stephanie Karaty. A very special thank you to my dear friend and colleague and our Immediate Past President, Dr. Kirk Ryan, for his infinite wisdom and insight. It has been an honor and a privilege to serve as President and I appreciate the faith placed in me for this position. I am looking forward to the direction in which the board is moving in the future. With the diversity and energy offered by our upcoming leaders, I know we will continue to support the profession and stay relevant to all members of the Association. Please help me in offering best wishes to Dr. Marion Sewell as our next President, who will no doubt be an effective and outstanding leader.

Looking at the year in review, we have seen the power and watchdog side of the LVMA in our legislative committee, with finalization of the Emergency Rule for Compounding for Office Use. We have ensured the perpetuation of a vital Association by investment in potential future leaders through the inception of the Power of 10 Program. We have seen how tragedy can bring us together as a profession, in others time of need, in the efficient deployment of LSART during the August flooding. It once again demonstrated the camaraderie and bond that we have in our professional relationships as veterinarians.

Looking to the horizon, remember that the LVMA is always there monitoring legislation and rules that could affect our profession and our practice lives. Our goal is to continue to serve the veterinarians of the state of Louisiana in a way that will benefit our members. From offering world class continuing education at a very reasonable price in the closeness of our own state, to interacting with upcoming veterinary students to ensure that they understand the importance and priority of organized veterinary medicine, we are always challenging ourselves to strive for excellence.

We look forward to seeing you at the Winter Meeting in Baton Rouge. The CE committee has a great program planned for you and you will enjoy seeing many of your colleagues. Registration is still open on the LVMA Website.

As you may have noticed, I love quotes so I will close with a very relevant one from Teddy Roosevelt…… “Every man owes some of his time to the up building of the profession to which he belongs.” We are living in a hectic society where time can be a more valuable commodity than money. We must never forget that the profession and practice we enjoy can be a fragile environment when we consider the many pressures that are placed on the veterinary way of life. If we do not stand for our profession, it will fall under the pressure of the outside forces. By contributing your time and talent to your local and state Associations, you are part of the building blocks that ensure the profession is headed in a positive direction that benefits all members. Please ask yourself, “If not you, then who?”

God Bless and Best Wishes in the Future,

Trisha C Marullo, DVM
LVMA President
At Southern Veterinary Eye Care we are committed to providing the highest quality veterinary ophthalmic care to our patients in a compassionate environment, while keeping our clients and referring veterinarians well informed during the treatment process.

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thanks the following contributors

Thanks to the following people, clinics, and all past contributors, the Dr. Walter J. Ernst, Jr. Veterinary Memorial Foundation continues to grow. Your continued support will help the Foundation to reach new heights. Please consider a contribution today and encourage your clients to participate in our memorial program.

Donations in memory of persons:

Dr. and Mrs. Carl Keller
In memory of George Trappey, Jr.

Jefferson Animal Hospital
In memory of Mary Cangiolosi

Donations in memory of pets:

Jefferson Animal Hospital
In memory of “Harley” & “Maverick”

All donations received will be recognized. Family members will receive a card notifying them of the donation and the individual or clinic that made the donation.

2017 Membership Renewals

2017 Membership Renewals were mailed in November. Please be on the lookout for your renewal forms. Throughout the year we send valuable information and updates to our members including CE opportunities, legislative changes and alerts, and other information that may be significant to your practice or career. Please make sure that all of your contact information is up to date on your renewal form! You may also renew online at www.lvma.org. If you have any questions, please contact the LVMA office.

Thank you and we look forward to another great year!
Executive Director’s Report

LOOKING BACK……AND AHEAD……

On November 14, 2016 the LVMA, as well as many Louisiana veterinarians and animal owners lost a great friend, Dr. James Wilson Rundell. Almost immediately after I started working with the LVMA in October, 2000, I began working with Jim on the upcoming Winter Meeting, which he chaired at the time. Over the sixteen years that I knew him, Jim brought high intelligence and energy to everything he did and was always lighthearted and kindhearted. He will be greatly missed and fondly remembered.

LVMA dues statements for 2017 are in the mail. They include optional voluntary contributions to the Dr. Walter J. Ernst, Jr. Veterinary Memorial Foundation (“the Foundation”) and the LVMA Political Action Committee (PAC). Contributions to the Foundation are deductible as charitable contributions. Contributions to the PAC are not deductible for federal income tax purposes. Feel free to strike out the suggested amount and replace it with a larger contribution than suggested!

Be sure to register for the 2017 Winter Meeting before the Early Bird deadline of December 10, 2016. Rates will increase after that date, but the meeting will still be a bargain. The meeting will be held at the Baton Rouge Crowne Plaza Hotel, January 20-22, 2017. To register, please visit the website at www.lvma.org in order to register online or for a printable form to complete and submit. The program committee of Drs. John Mauterer, Dale Peyroux, Kirk Ryan and Jacques Fuselier have assembled another great lineup of speakers and topics. Again this year we are asking those who plan to attend the Veterinarian Business Meeting and Awards Luncheon to please purchase a ticket for that event when registering for the meeting. A limited number of tickets will be available on site. Tickets are only $5 for veterinarians and this will allow us to plan more effectively for the correct number of attendees. Be sure to visit us online (www.lvma.org) for more information and book your hotel early under the LVMA group block for discounted rates. See you at the Crowne Plaza!

Stay well and stay connected!
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(225) 766-0550
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Curt Ritchie, DVM

Feel free to call for a consult or visit our website to download and fax or email a referral form.
A message from Dr. Thistlethwaite, President of the Dr. Walter J. Ernst, Jr. Veterinary Memorial Foundation

The LVMA has a voluntary organization formed for the well-being of pets and the veterinary community. Donations to the Foundation are deductible as charitable contributions for federal income tax purposes. The organization is called the W.J. Ernst, Jr., Veterinary Medical Foundation (WJE). Formed after Hurricane Katrina, WJE supports and sponsors the Louisiana State Veterinary Response Team (LSART) as a vehicle for rescue and recovery during animal emergencies. The Great Flood of 2016 was an opportunity for LSART to be involved in the largest flood response since Katrina. Thank you to all veterinarians and other LSART members who volunteered their time in this emergency. Thank you to the LSU School of Veterinary Medicine for their large part.

The WJE Board of Trustees has met twice to consider applications for financial assistance. Grants and low interest loans were made available and distributed. Hopefully the veterinarians and staff applicants will be assisted by the funds and loans they received.

WJE has had a busy year with the LSART response and the after flood financial assistance. Many animals were cared for and many people found benefit that WJE’s LSART was present. The entire event has given many the time for reflection after ‘being tested by fire’. Therefore, a new LSART Mission statement has been adopted:

“To assist Louisiana communities to prepare and respond to disasters and emergencies by promoting responsible animal ownership and emergency preparedness; training animal responders to effectively respond to emergencies or disasters involving animals; and providing trained, well-equipped responders to disasters and emergencies when requested by an authority that has jurisdictional responsibilities.”

Yes, the Great Flood of 2016 on the east side of the Mississippi River was an emergency and a disaster. Thank you to LSART for being a trained and ready requested participant.
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LSART Response to 2016 Flood Incident :16-019 Severe Weather

Over the last several years the Louisiana Department of Ag and Forestry requested LSART provide a Just in Time Safe Pet Handling training to the Louisiana National Guard during the State’s annual hurricane exercise. Dr. Martha Littlefield was instrumental in the development and the delivery of that just in time training during the annual training event, focusing on water search and rescue of people and pets. Over 3000 pets were rescued with their owners by National Guard, Wildlife and Fisheries and Coast Guard. Over 20 parishes were affected by the flood. LSART was asked to assist several parishes and the state with resources to support search and rescue and sheltering operations.

LSART Supported Lafayette Parish
On August 14th LSART assisted Lafayette Parish with their reception center to accept people and their pets taken from flooded areas and then assisted with logistical support to their co-located pet shelter. Over 100 pets were rescued with owners.

LSART Supported Livingston Parish
LDAF tasked LSART to assist Livingston Parish request for support with a few search and rescue Missions. Many horses from this area required extensive care and were hospitalized at the LSUSVM. Standing in floodwaters is particularly detrimental to horses. Through donations from this event, LSART and LSUSVM matched the first $500 of care resulting in a total donation of $1000 of care for each horse. LSART and LSUSVM also matched funds for supplies to treat horses in the field. So far, over $40,000 was spent by LSART for veterinary care of animals during this event.

LSART Supported East Baton Rouge Parish
Through a memorandum of understanding East Baton Rouge houses and maintains the LSART slack water boats and this time they needed them for their own parish. One of the first rescues made was a LSART member whose house, business and animal sanctuary went underwater. Her facility evacuation plan helped her get the majority of the animals out but cats tend to hide when you are in a hurry or when they feel like they may be getting into a carrier that may end up at the vet. She made sure the remaining cats had access to the attic and with the help of Animal Control in the LSART boats, came back the next day to get the rest out. One of the next calls that came in was another LSART member whose house was in danger of going under while she was caring for friend’s animals. As soon as she and the animals were taken out we asked her to turn around and get back in the boat to help with search and rescue. LSART assisted East Baton Rouge with animal search and rescue for roughly 24 hours and then the water went down enough for most people and pets to be reached by road. East Baton Rouge animal control requested assistance from other animal control agencies from around the state and completed their search and rescue efforts on dry land. For this event, many people we count on to assist were personally affected. Many put their personal tragedy on hold and still came to assist.

Celtic Studios is a group of large air conditioned movie sets in Baton Rouge. The facility was opened to allow people and pets to be sheltered after being rescued. One entire movie set became the states’ first cohabitated pet shelter. People and their pets were sheltered together in the same room - a pet crate next to a human cot -one family unit. LSART was asked by the State Public Health Veterinarian to provide veterinary oversite at this shelter and monitor for potential human health issues. Vaccinations and deworming and deflea medications were administered. At its peak two hundred pets were sheltered with their owners at the Celtic Center Shelter. Since pets were with owners the overall atmosphere of the shelter was one of calm and amazingly quiet.

LSART Supported LDAF
This event saw the first deployment of LDAF’s Mobile Pet Truck which served as a co-located pet shelter for the River Center human shelter in Baton Rouge. The pet truck was funded by LDAF, WJE, LSART, LVMA and SDMI. LSART was asked to assist with veterinary care at the pet truck shelter.

When the River Center required the space used for the pet truck for events, pets from Baton Rouge were taken to Dixon Correctional Facility to be fully cared for by the PEN PALS prison inmate pet shelter. LSART was asked to assist with veterinary care. The Shelter Medicine group from LSUSVM oversees veterinary care for Pen Pals in non-disaster times and continued to provide veterinary care during the disaster with help from a local LSART veterinarian.

LSART Supported Ascension Parish
LSART was asked through LDAF to assist Ascension Parish with shelter management and veterinary services for a co-located large and small animal shelter. Over 1,300 animals were sheltered, in most cases near their owners on the grounds of Lamar Dixon for Ascension Parish.

(Continued on page 9)
Louisiana State Animal Response Team Response to 2016 Floods (Continued)

Lamar Dixon was the site of the largest response shelter for hurricane Katrina. At that time Lamar Dixon hosted over 7,500 small animals and 466 horses for other parishes affected by Katrina none of them co-located with owners.

This time Lamar Dixon was opened for the people and animals of its own parish. Over 90% of the large animal owners were on the grounds to care for their animals. The 10% who were not there physically arranged to have them cared for. On the small animal side, many people were not caring for their animals. The human shelters on the grounds were a far distance from the pet shelter and many people dropped their pets off at the shelter thinking they would be cared for by someone else. Because many of the small animals were not co-located, LDAF activated its Memorandum of Understanding to request sheltering support from ASPCA and National Animal Rescue and Sheltering Coalition (NARSC) for this shelter. All partners worked to ensure the animals were cared for, linked to owners and returned to owners. By the time LSART turned the shelter back over to the Parish on September 4th, all large animal owners were identified and 97% of the small animals LSART assisted were linked to their owners. Over 900 volunteer veterinary hours and over 1000 shelter management volunteer hours were donated by LSART members. Several LSART volunteers that had run large shelters for Katrina, Rita, Gustav and Ike came back to help us once again. Dr. Becky Adcock, Dr. Paula Drone, Bonnie Marquette, Dr. Sue Bradley and Dr. Gia Morgan. Their experience was invaluable in managing this shelter. Among the volunteers for this event were members of the LVMA board including our current president and president-elect. Members from the WJE board including the president stepped up to assist also. This response could not have been successful without everyone’s help.

The coordination between LDAF, ASPCA and LSART has never been better and it was necessary to manage the small and large animal shelter at Lamar Dixon as well as the large amount of donated goods coming in.

Because this flood isolated many people we asked veterinary clinics to provide shelter to animals in need if their parish needed boardings spaces for animals coming out of flood waters. The response was overwhelming. We have asked veterinary facilities to house pets for parishes in the past. This program has been successful in the past on a small scale and since we had such a great response we will try to build on this program by developing a list of clinics willing to assist with sheltering for their parishes through the Veterinary Medical Reserve Corps. Hopefully before the next event.

LSART Supported Communities affected by Hurricane Matthew

The LSART truck, trailer and boat were requested by our partner ASPCA. On Tuesday October 4th, LSART member Dave Marcantel took the truck, trailer, and boat to Waycross Georgia to be available for the response to Hurricane Matthew. The Louisiana Department of Agriculture and Forestry supplied transport carriers for evacuation and search and rescue. Over the next several days and throughout the night the LSART truck and trailer was used to evacuate over 70 animals out of harm’s way and help empty animal shelters in Glynn County GA. and Beaufort S.C. so these facilities could be used as a shelter for their communities. In the past our partners have come in to help us with this same type of evacuation just before or immediately after a disaster. It is very rewarding to be able to extend this support to another community. Evacuating local animal shelters removes their animals from harm’s way and will enable them to be better prepared to support their community during and immediately after the disaster. LSART shelter teams are on standby to deploy and assist if needed. The LSART equipment was then used for animal search and rescue in North Carolina and returned on October 29th.

LVMA 2017 Winter Meeting General Information

REGISTRATION

Registration is required for admission to the LVMA’s Winter Meeting (fee information is listed on the registration form enclosed).

Please complete the enclosed registration form and return to

The deadline for early registration is December 10, 2016. If your registration is postmarked after that date, or if you register onsite, please add $25.00. MasterCard, VISA, Discover and American Express are accepted. Please do not send cash through the mail. If registering on-site and paying with cash, please bring exact change.

Number of sleeping rooms at the LVMA rate, make your reservations by December 19, 2016.

CONTINUING EDUCATION

Attending the convention is a wonderful opportunity for veterinarians to receive the required 20 hours of continuing education credit. Continuing education proof of attendance forms will be available at the Winter Meeting. There is a different CE form for each day. It is your

**To improve planning, ticket purchase is required to attend the Business Meeting and Luncheon. Cost is $5 for Veterinarians and $30 for all other attendees. Please select and pay for tickets on your registration form to attend.**
<table>
<thead>
<tr>
<th>Time</th>
<th>Companion Animal</th>
<th>Companion Animal II</th>
<th>Companion Animal III</th>
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<tr>
<td>7:00 am - 8:00 am</td>
<td>7:00 am - 5:00 pm Registration and Exhibits</td>
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<tr>
<td>8:00 am - 9:50 am</td>
<td>8:00-8:30 am Sandy Merchant</td>
<td>Non-Toxic, Non-Flea Allergic Dermatitis—What's Left to Worry About?</td>
<td>8:00-8:50 am Ronald Koh</td>
<td>Applications of Therapeutic Laser in Your Daily Practice</td>
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<td>9:00 am - 9:50 am</td>
<td>LSU School of Veterinary Medicine</td>
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<td>8:00-8:50 am Commissioner Mike Strain State of Louisiana Agriculture</td>
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<td>9:50 am - 10:30 am Refreshments in Exhibit Hall</td>
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<td>10:30 am - 11:20 am</td>
<td>10:30-11:20 am Nathalie Rademacher</td>
<td>Tips for Easier Diagnosis of Intestinal Obstruction in Small Animals</td>
<td>10:30-11:20 am Larry McCaskill</td>
<td>The Validation of Traditional Chinese Veterinary Medicine (TCVM) in the Treatment of Canine Paralysis with Clinical Results</td>
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<td>11:30 am - 12:20 pm</td>
<td>MEDVET Medical &amp; Cancer Center for Pets</td>
<td>Clinical Approach to Proteinuria and Glomerular Disease</td>
<td>LSU School of Veterinary Medicine</td>
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<tr>
<td>11:30 am - 12:20 pm</td>
<td>11:30 am - 12:20 pm Nathalie Rademacher</td>
<td>Radiographic Abnormality or Normal Variant?</td>
<td>11:30 am-12:20 pm</td>
<td>Larry McCaskill</td>
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<td>12:20 pm - 1:30 pm Lunch on your own for attendees. Committee Meetings and Luncheon</td>
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<td>1:30 pm - 2:20 pm</td>
<td>1:30-2:20 pm Jenny Sones</td>
<td>Complicated Pregnancies: Practical Advice for Dystocia, Planned C-sections, and More</td>
<td>1:30-2:20 pm</td>
<td>Robby Porter</td>
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<td>2:30 pm - 3:20 pm</td>
<td>2:30-3:20 pm Carlos Pinto</td>
<td>Update on Hormonal Therapy in Canine Reproductive Health and Disease</td>
<td>2:30-3:20 pm</td>
<td>Robby Porter</td>
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<td>3:20 pm - 3:50 pm Refreshments in Exhibit Hall</td>
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<td>3:50 pm - 4:40 pm</td>
<td>3:50-4:40 pm Tom Tully</td>
<td>Pain Management of Exotic Animal Patients with Case</td>
<td>3:50-4:40 pm</td>
<td>Hannah Green</td>
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<tr>
<td>4:50 pm - 5:40 pm</td>
<td>4:50-5:40 pm Jayne Looper</td>
<td>Advancing Cancer Care and Minimizing Side Effects</td>
<td>4:50-5:40 pm</td>
<td>Cynthia Benbow</td>
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***6:40 pm-8:30 pm Evening Session with John Mauterer, DVM, Diplomate ACVS***

Orthopedic Case Studies: What Could Go Wrong?
Challenging Neurologic Cases
LVMA 2017 Winter Meeting | January 19-22, 2017 | Baton Rouge, LA
Saturday, January 20, 2017

Volume 26, Issue 6 Page 11

<table>
<thead>
<tr>
<th>COMPANION ANIMAL I</th>
<th>COMPANION ANIMAL II</th>
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<tr>
<td>7:00 am—8:00 am Continental Breakfast in Exhibit Hall</td>
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| 8:00—8:50 am
  Robert Hancock
  Hyperbaric Medicine in Veterinary Patients |
| 8:00—8:50 am
  Jamie Schorling
  Canine Orbital Disease - a case based practical Approach |
| 8:00—8:50 am
  Brenda Tassava
  Enhancement of Improving Client and Patient Care with New Technologies |
| 8:00—5:00 pm Registration |
| 9:00—9:50 am
  Jamie Schorling
  Hot Topics in Veterinary Ophthalmology - an update on emerging concepts and techniques |
| 9:00—9:50 am
  Harold Newcomb
  Resistance & Immunology of GI Parasites |
| 7:30—9:00 am Registration |
| 9:00—9:50 am
  Harold Newcomb
  Reptile Care An Ounce of Prevention Is Worth a Pound of Care |
| 10:00—10:50 am
  Ronald Kch
  How to Use Integrative Medicine to Improve Patient Outcomes |
| 10:45 — 11:35 am
  Brenda Tassava
  Thank You for Firing Me! |
| 10:45 — 11:35 am
  Jacques Fuselier
  Review of Bovine Abortion |
| 10:45 — 11:35 am
  Renee Carter
  Tips and Strategies for Managing Canine and Feline Glaucoma |
| 11:30 — 12:00 pm
  LAVT Meeting with Refreshments |
| 12:00 — 12:50 pm
  Lunch & Learn
  Janny Cassidy Fisher, RVT, VTS Oncology
  No Capping Protocol |
| 1:00 — 1:50 pm
  Robert Hancock
  Hyperbaric Oxygen Therapy in Veterinary Medicine |
| 2:00 — 2:30 pm
  Exhibit Wall Break |
| 2:30 — 3:20 pm
  Julie Ann Smith
  Anesthesia: Myths and Misconceptions |
| 9:50 am—10:45 am Refreshments in Exhibit Hall |
| 9:30 am—10:30 pm Auxiliary Tour |
| 10:45 — 11:35 am
  Dena Ledato
  Brachycephalic Airway Syndrome Lecture Summary |
| 10:45 — 11:35 am
  Renee Carter
  Tips and Strategies for Managing Canine and Feline Glaucoma |
| 10:45 — 11:35 am
  Brenda Tassava
  “Thank You for Firing Me!” |
| 1:30—2:20 pm
  Gary Balsamo
  Regulatory Update |
| 1:30—2:20 pm
  Gabe Van Brunt
  The Secrets Behind Detecting Ocular Emergencies |
| 1:30—2:20 pm
  Palomares
  Extraordinary Service Essentials, the ABC’s of Service |
| 1:30—2:20 pm
  Jacques Fuselier
  Investigating Bovine Abortion |
| 12:00 pm - 1:30 pm Business Meeting and Veterinarian Luncheon |
| 1:30—2:00 pm
  Whittington Veterinary Clinic |
| 1:30—2:00 pm
  Investigating Bovine Abortion |
| 1:30—2:00 pm
  Investigating Bovine Abortion |
| 2:30—3:30 pm
  Gabe Van Brunt
  Conquering Cataracts |
| 2:30—3:30 pm
  Roberto Palomares
  Effect of Trace Minerals on the Immune Response following BVD Vaccination |
| 3:30—4:20 pm
  Kathleen Mullins
  Lumbosacral Disease |
| 3:30—4:20 pm
  Mereidt Mounsey
  Canine Corneal Ulcers: From Simple and Superficial to Perforated and Perforated |
| 3:30—4:20 pm
  Christine Navarre
  The New Veterinary Feed Directive Rules |
| 3:30—4:20 pm
  Christine Navarre
  Judicious Use of Drugs in Food Animals |
| 4:30—5:20 pm
  Kathleen Mullins
  Osteoarthritis Management |
| 4:30—5:20 pm
  Mereidt Mounsey
  Yet Another Red Eye |
| 4:30—5:20 pm
  J. Willoz
  Conducting Effective Employee Appraisals |
| 5:30 pm—6:30 pm Student LAVT Business Meeting |
| 5:30 pm—6:30 pm Speed Networking |
| 6:45 pm—9:00 pm LSU SVM Reception at Sullivan’s |
WELCOME

Christopher A. Adams
The Royal Veterinary College

Catherine Breland
Louisiana State University

Shannon Comeaux-Brown
Louisiana State University

Kelsey Leigh Daroca
Louisiana State University

Kelsey Hanson
Louisiana State University

Angella Dorsey-Oresto
University of Pennsylvania

Tiffany Lynn Ford
Ross University School of Veterinary Medicine

The LVMA would like to welcome our newest members to the Association! We are excited to have you as part of our team; we can’t wait to show you everything we have to offer and look forward to your contributions to the veterinary profession.
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- Intraocular Lens Implantation for over 20 years; First to implant the 1st foldable Hydrophobic Siflex lens with UV Filtering
- Retinal Surgery with multiple laser options
- Glaucoma Shunt Surgery
- A pioneer in Endolaser, a game-changer for glaucoma surgery without shunts or when shunts fail
- Diamond Burr Debridement for persistent erosions
- Radiofrequency Incision, Cautery, & Shielded Electroepilation for difficult distichia cases
- Generator & Battery back-up ensures no down-time during Intraocular Surgery
- Conservative surgeon, Corneal Grafts only if necessary

Paul da Costa, DVM, DACVO
524 Moss Street | New Orleans
(504) 483-8704
www.eyecenterforanimals.com
In Loving Memory of
Dr. James Wilson Rundell
August 2, 1940– November 14, 2016

The Louisiana Veterinary Medical Association (LVMA) shares in the grief of Dr. Jim Rundell's family and friends at his death on Monday, November 14, 2016.

Jim owned and operated Rundell Veterinary Hospital in Monroe, Louisiana, which opened in November 1976. Jim served on the LVMA Board of Directors from January, 2003 until his death. He was President of the LVMA in 2008-2009. Jim served on the Board of Managers of the Southwest Veterinary Symposium (SWVS) from 2010 to 2016. He was an extremely active member of the Louisiana State Animal Response Team (LSART), having opened the first co-located pet shelter in Louisiana in 2004 for Hurricane Ivan. Experiences with that event helped LSART develop the sheltering protocol used during Katrina and currently. Jim remained the guiding force of the Monroe animal emergency shelter and opened it during Katrina, Rita and for every response since then. He never missed an LVMA or SWVS Meeting and chaired the program committee for the LVMA Winter Meeting for many years.

Our thoughts and prayers go out to Jim's family and many friends. He will be greatly missed by us all.

Survivors include his wife of 51 years, Sharon Boyd Rundell; sister, Jeanette Rundell Ashley and Husband Gale; and numerous nieces, nephews and friends.

Memorials may be made to your favorite animal charity.

“He lived more in a day than most live in a lifetime.”

Check it out! Upcoming Events:

<table>
<thead>
<tr>
<th>Event Hosts</th>
<th>Event</th>
<th>Date</th>
<th>Venue</th>
<th>City, State</th>
<th>Contact Info</th>
</tr>
</thead>
<tbody>
<tr>
<td>LVMA</td>
<td>LVMA Winter Meeting</td>
<td>January 20-22, 2017</td>
<td>Crowne Plaza Hotel</td>
<td>Baton Rouge, LA</td>
<td>LVMA.org Phone: 225-928-5862</td>
</tr>
<tr>
<td>AAVA</td>
<td>2017 Annual Meeting</td>
<td>March 24-26, 2017</td>
<td>Hyatt Regency Savannah Hotel</td>
<td>Savannah, GA</td>
<td>AAVA.org</td>
</tr>
<tr>
<td>AVMA</td>
<td>AVMA Convention</td>
<td>July 21-25, 2017</td>
<td>Indiana Convention Center</td>
<td>Indianapolis, Indiana</td>
<td>AVMA.org</td>
</tr>
</tbody>
</table>
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Murray, a 15-year-old 5.7kgs MN DSH was presented to the MedVet Medical & Cancer Centers for Pets emergency service for further evaluation of lethargy and vomiting. Murray had a previous medical history of feline asthma (no current treatment required), as well as mild HCM (dx via echocardiogram in '14 by LSU), and IBD (dx via gi bx at MedVet '15). Murray had been seen 4 weeks prior to this visit at his local veterinary clinic for the further evaluation of chronic vomiting. Abdominal ultrasound performed at this time revealed mild thickening of the intestines at the level of ileocecal junction. Normal wall layering of the bowel was present. Murray was managed symptomatically with antiemetic and oral steroid medication (prednisolone 5mg PO BID) for suspected IBD flare up. Murray initially improved on this above noted therapy however; his signs re-occurred over time.

Physical examination performed on presentation to ER revealed that the patient was depressed and listless. Vital signs were within normal limits (T 100.1F, HR 180bpm, RR 40bpm). Mucous membranes were pink and slightly tacky with a capillary refill time of <2sec. Thoracic auscultation revealed a grade III/V1 heart murmur with no arrhythmia present. Suspected thyroid slip was palpated to the right of midline. Abdominal palpation was unremarkable. Due to the above noted history and physical findings, the patient was admitted to the hospital for additional diagnostics/care.

Initial diagnostics including CBC, chemistry panel, and urinalysis were performed. CBC results was unremarkable (Hct 31%, WBC 13,000 with platelet count of 196,000) while chemistry panel revealed a severe hypercalcaemia with a total Ca of 21.4mg/dl (8.2-10.8). This value was confirmed with a repeat blood sample. Ionized Ca level was 2.3mg/dl (1-1.4). Mild elevation in BUN of 38mg/dl (14-36) was also noted with normal creatinine of 2.3mg/dl (0.6-2.4), Phosphorus of 4.9mg/dl (2.4-8). Total T4 was within normal limits. Urinalysis revealed specific gravity of 1.028 with no evidence of protein, casts, or crystals. CaP product of 105 was calculated. Three view thoracic radiographs revealed no gross abnormalities while abdominal ultrasound revealed resolution of previously noted segmental thickening of the ileocecal junction and possible mild pancreatitis. No signs of renal mineralizations or cystic calculi were noted. Ultrasound of the neck revealed a suspected nodule within the right thyroid gland. Samples were collected and submitted to the University of Michigan for PTH and PTHrP analysis. Results were consistent with a diagnosis of primary hyperparathyroidism with a PTH of 1.2 (0.2-2), PTHrP 0 (0), and a concurrent iCa of >2mg/dl (<1.4). Murray’s elevated Ca level in the face of a detectable PTH is diagnostics for abnormal hormone secretion and thus hyperparathyroidism.

Murray’s initial in hospital treatments were aimed at decreasing his calcium level considering the delirious effects that severe hypercalcemia can have on renal, cardiovascular, and neurologic function. Intravenous fluids (0.9% NaCl at 2 times maintenance rate) were initiated as well as a concurrent respiratory watch in light of his previously noted heart disease. In hypercalcemic states, IVF not only serve to rehydrate patients and thus increase glomerular filtration rate (GFR) and calcuresis by the kidneys but also the high sodium load in saline competes with calcium re-absorption within the renal tubules and thus aids to the calcium excretion. In addition to this treatment, Murray was administered intravenous diuretics once adequate hydration was obtained. Diuretics, such as lasix in conjunction with saline diuresis ensure maximum renal excretion of Ca by inhibiting absorption of calcium within the thick ascending loop of henle. A dose of 2mg/kg q8hrs was used for 48hrs. Murray was continued on his previously prescribed steroid medication (prednisolone 5mg PO SID) as glucocorticoids have been shown to reduce bone reabsorption of Ca, decrease interstitial Ca absorption, and increase renal excretion. Alternate treatments such as bisphosphonates and calcitonin can also be used to treat acute severe hypercalcemia. Bisphosphonates such as clodronate, alendronate, and pamidronate as well as calcitonin reduce/ inhibit osteoclast activity and thus decrease serum Ca levels. Little is known about these drugs concerning their efficacy and safety in cats long term.

Over the following 48-72 hr, Murray responded well to his above noted therapies and his calcium level as well as his attitude greatly improved. Murray was noted to be interactive and vocal. He began eating a diet low in Ca well, without any signs of nausea or vomiting. Over this time period, serial labwork revealed that Murray’s Ca had decreased from iCa level of 21.4 to 12.4mg/dl (8.2-10.8). To manage his condition long term, Murray underwent an exploratory surgery where it was noted that he had enlarged parathyroid tissue on the right thyroid gland. This nodule were removed without complication. Histopathology revealed hyperplastic tissue. No evidence of neoplasia was noted. Murray remained in the hospital an additional 72hrs during which his iCa were monitored closely and his above noted in hospital treatments were discontinued. At the time of discharge, Murray was eating and drinking well with iCa of 1.5mg/dl. Murray was discharged on oral pain medication, antibiotics, and previously prescribed prednisolone.

(Continued on page 18)
Recheck examination 5 days post-surgery revealed a stable iCa level of 1.3mg/dl with a total Ca of 10mg/dl and normal kidney and electrolyte values. Murray calcium levels were monitored every 2-3 days for an additional week, weekly for a month, and then q 3-6 months thereafter.

Primary hyperparathyroidism is an uncommon diagnosis of hypercalcemia in cats with only 19 cats reported in the veterinary literature. The most common clinical signs noted included lethargy, anorexia, and vomiting. A palpable cervical mass was appreciated in 11 of the 19 cats while the only consistent lab work abnormality was an elevated Ca level. A subset of cats did have cystic calculi and elevation in BUN and creatinine. Surgical removal of the abnormal parathyroid tissue resulted in resolution of primary hyperparathyroidism in most cats and of the 9 cats that were followed after surgery, all lived beyond 1 yr.

We are happy to report that Murray continues to do well and his calcium levels have remained normal since surgery.

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