New MRI offers better diagnostics

Magnetic Resonance Imaging – or MRI, as most people know it – offers a glimpse inside the body without an incision. The Veterinary Medical Center (VMC) now offers a 3-Tesla MRI for veterinary patients.

“MRI works by harnessing a high-powered magnetic field and radio waves that excite atoms in the body,” explained Dr. Eric Green, professor - clinical and service head of Diagnostic Imaging and Radiation Oncology. “The excited atoms give off energy that is converted into an image by a computer. It’s a really amazing process, and a great advancement in diagnostics. This is one more tool that we can use to evaluate serious conditions in small animal and large animal patients without the use of radiation as with computed tomography (CT) or radiographs (X-rays).”

continued on page 2

From the Director

I hope you are having a great Ohio summer! In this issue of Update for Veterinarians, we have traditionally recognized our Veterinary Practitioner Boards, who provide us excellent feedback and constructive criticism on our service to referring veterinarians and clients. I want to thank these practitioner colleagues for all they do to support our mission as a specialty veterinary medical center. I look forward to our continuing partnership throughout the year.

I would also like to thank Dean Lonnie King, who will step down at the end of August. You can read a story on his accomplishments on page 2. Dean King has been a strong leader and friend of the Veterinary Medical Center, especially as we have planned and embarked on the Enhancement and Expansion Project. We will certainly miss him.

We have also included a story in this issue about our new MRI capabilities. With a 3 Tesla, 70 cm magnet, the new MRI unit will provide better diagnostics and a shorter anesthesia time for your companion animal, farm animal or equine patients.

I encourage all of our referring veterinarians to provide me with feedback! Your comments and those of our practitioner boards help us to continually improve our service. We couldn’t do it without you.

The Ohio State University Veterinary Medical Center–Columbus
601 Vernon L. Tharp St., Columbus, OH 43210
Hospital for Companion Animals:
614-292-3551
Hospital for Farm Animals and Galbreath Equine Center:
614-292-6661
The Ohio State University Veterinary Medical Center–Dublin
5020 Bradenton Ave., Dublin, OH 43017
614-889-8070
vet.osu.edu/vmc
An MRI can effectively evaluate many neurologic, cardiovascular, orthopedic and musculoskeletal conditions. The type of MRI installed in the VMC is the same equipment used in human hospitals. The machine that was chosen also has a large (70 cm) bore to accommodate large animal patients.

“Many facilities offer MRI,” explained Dr. Rustin Moore, executive director of the Veterinary Medical Center. “But certainly none in Ohio or the surrounding area have this high-field capacity, nor the large bore. This certainly differentiates Ohio State as the leader in imaging in Ohio and surrounding states.”

The space that houses this new machine was renovated specifically to accommodate the large size of the high-intensity magnet. Safety requirements demand a secure space and the ability to provide safety warnings that protect both the professional operating the machine and the equipment itself.

“People are really excited to have this capability in the VMC,” said Dr. Green. “And they are respectful of the power and capabilities of the MRI.”

Dean Lonnie King to step down August 31

Dr. Lonnie J. King became the 10th dean of the College of Veterinary Medicine at The Ohio State University in September, 2009. In his tenure as dean of the college and executive dean of the health sciences colleges at Ohio State, he was instrumental in establishing the college and the university as a leader in “One Health” and in creating an office of Global Programs in the college. As executive dean, he helped elevate the college’s position and visibility across the university and especially the seven health science colleges.

Dr. King is an internationally recognized leader in emerging infectious diseases. Immediately before becoming dean of the college, he directed the National Center for Zoonotic, Vector-Borne and Enteric Diseases at the Centers for Disease Control and Prevention. He served Michigan State University as dean for 10 years and prior to that spent 19 years with the U.S. Department of Agriculture in the Animal and Plant Health Inspection Service. As the nation’s chief veterinarian, he worked extensively in global trade agreements and testified before Congress on issues of emerging diseases.

A member of the Institute of Medicine of the National Academies of Science, Dr. King is board certified by the American College of Veterinary Preventive Medicine. He received his bachelor’s and DVM degrees from Ohio State, a master’s degree in epidemiology from the University of Minnesota and a master’s degree in public administration from American University.

As dean, Dr. King sponsored and hosted three “focus-forward weekends” designed to identify and discuss current and future trends in veterinary medicine. He was instrumental in the planning and fundraising for the $30 million VMC Enhancement and Expansion Project now underway. Dr. King was recently appointed to co-chair a task force on antibiotic resistance for the AAVMC and Association of Public Land-Grant Universities.

Thank you, Dr. King, for leading the college during the past six years; for making a difference in the lives of students, clients and patients; and for leading the national and international conversation on the crucial need for veterinary and human medicine to work together on critical health issues.
Welcome Dr. Fenger

Dr. Joelle Fenger
Research Intensive Assistant Professor Oncology and Hematology

Dr. Joelle Fenger is a 2007 graduate of the University of California-Davis School of Veterinary Medicine. She completed a small animal medicine and surgery rotating internship at The Ohio State University Veterinary Medical Center in 2008 and entered a combined PhD/medical oncology residency in the comparative and veterinary medicine graduate program. Her PhD research focused on the role of microRNA dysregulation in canine mast cell tumors and osteosarcoma and investigating the molecular and biological consequences of miR-9 overexpression both in vitro and in a mouse model of disease. Dr. Fenger became board certified in oncology in 2013.

Dr. Fenger has received several research honors, including being named the 27th and 28th Annual Aspen Cancer Conference Fellow. She was recently awarded an NIH K01 grant to further support her transition as an independent clinician scientist in the field of translational oncology.

Save the date!

College of Veterinary Medicine Annual Open House

Sunday, September 20, noon to 5 p.m.
vet.osu.edu/AnnualOpenHouse

Online CE program

The Nephrology Series

Upcoming sessions:

July 21: Predictors/Risks of CKD
August 18: Hypertension

For more detailed information, please go to vet.osu.edu/vet-expert-express-nephrology

Clinical Trials

We always have a need for participants in veterinary clinical trials. If you have a patient that might be eligible, please contact the Ohio State Veterinary Clinical Trials Office at cvm-clinicaltrials@osu.edu or 614-292-4559. For a list of current trials, please visit vet.osu.edu/vmc/clinical-trials.
Thanks to our Practitioner Boards!

We appreciate the members of our practitioner boards, who contribute their time and talents to the VMC’s ongoing evaluation of all aspects of the client experience. Their frank assessments help us provide the best service to referring veterinarians and your clients.

Recent board-driven enhancements include:

- New website design, with improvements in navigation, site design and content
- New web-based CE courses for veterinarians
- Expanded CE courses offered on-site at the VMC-Dublin
- New toolkit for referring veterinarians

### Large Animal (LA) Practitioner Board Members

- Dr. Bev Anderholm  (Medina, OH)
- Dr. Dave Crum  (Lancaster, OH)
- Dr. Chris Gilbert  (Greenville, OH)
- Dr. Tony Good*  (Plain City, OH)
- Dr. Gregory Hass*  (Findlay, OH)
- Dr. Jim Honigford  (Sugarcreek, OH)
- Dr. Heidi Immeagart  (Sunbury, OH)
- Dr. Ken Keckler  (Burton, OH)
- Dr. Rob Krueger  (Mt. Vernon, OH)
- Dr. Winnie Maset*  (Bridgeport, WV)
- Dr. Pete Meuse  (St. Louisville, OH)
- Dr. Gabe Middleton  (Orrville, OH)
- Dr. Emily Miller  (Ravenna, OH)
- Dr. Todd Price*  (Sycamore, OH)
- Dr. Ryan Rutter*  (Athens, OH)
- Dr. Brandy Snedden  (Thornville, OH)
- Dr. John Stanek*  (McMurray, PA)
- Dr. De Wayne Weaver  (Green Camp, OH)
- Dr. Richard Wiley*  (Lisbon, OH)
- Dr. James Zeliff  (Murrysvile, PA)

### Small Animal (SA) Practitioner Board Members

- Dr. Tracy Arvin  (West Jefferson, OH)
- Dr. Thomas Baltzelle*  (Columbus, OH)
- Dr. Dawn Bookmyer  (Powell, OH)
- Dr. Jennifer Boron*  (Marysville, OH)
- Dr. Bridget Burdick*  (Columbus, OH)
- Dr. Diana Cron  (Cincinnati, OH)
- Dr. Mike Dyer  (Proctorville, OH)
- Dr. Nikki Eaton  (Lewis Center, OH)
- Dr. Jeanne Eisenhour  (Perrysburg, OH)
- Dr. Ann Greenwald  (Canal Winchester, OH)
- Dr. Roger Grothaus*  (Toledo, OH)
- Dr. Mark Harris  (Westerville, OH)
- Dr. Theresa Hartig  (Lancaster, OH)
- Dr. Amy Keith  (Charleston, WV)
- Dr. Mike Kelleher*  (Hilliard, OH)
- Dr. Beth Kellogg  (Worthington, OH)
- Dr. Alec Land*  (Canal Winchester, OH)
- Dr. Nathan Metz*  (Ada, OH)
- Dr. Todd Shockey*  (Parkersburg, WV)
- Dr. Paul Stephenson  (West Jefferson, OH)
- Dr. Matt Stonecypher*  (Kenia, OH)
- Dr. John Talmadge  (Dayton, OH)
- Dr. Daniel Tonne  (Reynoldsburg, OH)
- Dr. Richard Vesper  (Hilliard, OH)
- Dr. Kim West*  (Columbus, OH)
- Dr. Scott Yancey  (Marion, OH)

### Emeritus SA Board Members

- Dr. Tod Beckett  (Hilliard, OH)
- Dr. Steven Carbaugh  (Cincinnati, OH)
- Dr. Brad Carmichael  (McMurray, PA)
- Dr. Leah Carpenter or Dr. Adam Ballard  (Delaware, OH)
- Dr. Joy Dvorak  (Columbus, IN)
- Dr. Leslie Elliott  (Mineral Wells, WV)
- Dr. Brett Ellis  (Xenia, OH)
- Dr. Brian Forsgren  (Cleveland, OH)
- Dr. Lynn Grinstead  (Canal Winchester, OH)
- Dr. Niki Hird  (Columbus, OH)
- Dr. Denise Jones  (Findlay, OH)
- Dr. Robert Knapp  (Columbus, OH)
- Dr. Brian Lokai  (Dayton, OH)
- Dr. Lori Lutz  (Marietta, OH)
- Dr. Mark McCloskey  (Columbus, OH)
- Dr. Scott Moore  (Fairmont, WV)
- Dr. Brandy Morgan  (Wheeling, WV)
- Dr. Kathleen Nelson  (Columbus, OH)
- Dr. Adam Parson  (Columbus, OH)
- Dr. Phillip Puskarich  (St. Clairsville, OH)
- Dr. Mark Reineck  (Fremont, OH)
- Dr. Rex Riggs  (Powell, OH)
- Dr. Sue Savage  (Toledo, OH)
- Dr. Mike Stone  (Oak Harbor, OH)
- Dr. Tom Tharp  (Chillicothe, OH)
- Dr. Gary Thompson  (Sylvania, OH)
- Dr. Matthew Verbsky  (Belleville, OH)
- Dr. John Worman  (Gahanna, OH)

*New Board Member