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Scholarships
New DNA Test for MPS VI in Miniature Pinscher

A new DNA-based test for mucopolysaccharidosis type VI (MPS VI) to identify affected, carrier, and normal miniature pinschers has been developed by researchers at the School.

MPS VI, an inherited lysosomal storage disease, has been seen in cats. The miniature pinscher is the first dog breed in which it has been identified. Affected miniature pinschers have been found in various states in the US and abroad, making this appear to be more widespread and under-diagnosed than previously thought. Diseases in the MPS group inhibit the cells’ ability to break down large sugar molecules and parts of the molecules accumulate in cells. This leads to deformities of limbs, vertebrae, sternum, and particularly, the hips. Affected animals may also have corneal cloudiness and facial malformations.

The test identifies affected, carrier, and normal miniature pinschers. Identification of carriers is particularly important as they show no signs of the disease. By knowing who the carriers are, breeders can avoid mating two carriers, which could produce affected animals, and will assist in eliminating the mutant allele altogether from the breed.

The test was developed by Dr. Polly Foureman, a Josephine Deubler Fellow in the School’s Section of Medical Genetics. The DNA-based test requires a blood sample to be submitted to the Josephine Deubler Genetic Disease Testing Laboratory at Penn. The research and test development were supported by grants from the AKC Canine Health Foundation and the National Institutes of Health.

The Penn medical genetics researchers, under the direction of Dr. Urs Giger, are also examining whether the common occurrence of Legge-Calves-Perthes (LCP) disease in miniature pinschers and other breeds is related to MPS VI. LCP, a devastating hip disease, is characterized by necrosis of the femur head. The cause remains unknown. LCP differs from hip dysplasia and MPS VI, but similar bone changes are observed in miniature pinschers with MPS VI. Penn’s researchers want to determine if there is an association between MPS and LCP disease in this and other breeds with LCP disease. This study is done by Lisa Berman, senior biology student at Penn, and is also funded by the AKC Canine Health Foundation.

Dr. Giger and his colleagues are requesting that breeders, owners, and veterinarians who suspect either condition in a miniature pinscher contact the laboratory. For a limited time the first 100 samples will accepted free of charge. Test results will be kept confidential and information about individual animals will only be reported to the owner. For further information, please visit the web site at <www.vet.upenn.edu/penngen> or contact Dr. Giger or Dr. Lisa Sarvas, the current Deubler Fellow, at <penngen@mail.vet.upenn.edu> or by fax at 215-573-2162.

Scholarships

The American Kennel Club awarded a Chairman’s Scholarship to Dana Clark, V’06. Garret Patchinger, V’05, received a Western States Scholarship. SCAVMA Community Service Grants were awarded to Daphne Downs and Robert Mankowski, Class of ’04; David Shere and Zoe Ramagano, Class of ’05; and Jennifer Feiner and Jennifer Swallow, Class of ’06. Three members of the Class of ’06 each received a Donald E. Cross Scholarship for Large Animal Medicine: Lauren Green, Caitlin Roberts, and Alison Wolfgram.

James Shissler, V’04, and Ellen Angstadt, V’04, each received a Wagner Rural Medicine Scholarship. Anne Pickett, V’04, received the Lloyd’s Equine Research and Education Program Scholarship. The Dauphin County Resident Scholarships were awarded to Lauren May, V’05, and Mary Palopoli, V’06.

Lois E. Fairchild Scholarships in Veterinary Public Service were awarded to Aylin Attila, V’04, Alison Loupos, V’05, and Emily Jones, V’05. Four members of the Class of ’04 received Pennsylvania Veterinary Foundation Scholarships: Jill Compton, Josh Eaton, Cailin Heinze, and Laura Javicsas. The Westminster Kennel Foundation Scholarship was awarded to Christa Regan, V’04. Five members of the Class of ’04 each received a Dr. J. E. Salsbury Scholarship: Josh Eaton, Lauren Entes, Carrie Horton, Jennifer Kaea and Christa Regan.

University of Pennsylvania Hertzler Scholarships were awarded to Timothy Mosbey, V’05, and Michelle Regester, V’06. The Union County Kennel Club awarded a scholarship to Rebecca Taylor, V’05. Josh Eaton, V’04, and Kelli Russell, V’04, each received a Ch. Forfox Liz Claiborn Scholarship. The Swiss Benevolent Society awarded a scholarship to Nadine Salome, V’06.

Shirley E. Possinger Dean’s Scholarships were awarded to the following members of the Class of ’04: Beth Appleman, Mandy Becker, Cailin Heinze, Lisa Lipitz, Adriane Pfeninger, and Tara Strawderman; and to the following members of the Class of ’06: Gordon Peddle, Kimberly Russell, Jennifer Stevens, Kristina Willoughby, and Daniel Zawisza.

Ann Kroken, V’04, received a Charles F. Reid Dean’s Scholarship. The Eric Tulleners Dean’s Scholarship was awarded to Angela Davies, V’04. The following members of the Class of ’04 received Anne Linn White Dean’s Scholarships: Allison Billings, Kristen Hart, Laura Javicsas, Megan Manfredi, and Todd Strochlic. Charles S. and Phyllis H. Wolf Dean’s Scholarships were awarded to the following members of the Class of ’04: Dora Connelly, Rachel Pearson, and Abigail Smith.

Mrs. Jack L. Billhardt Dean’s Scholarships were awarded to the following members of the Class of ’04: Michele Koch, Bjorn Lee, Kelli Russell, and Arlene Schneiderman.

The following members of the Class of ’04 are the recipients of Dr. M. Josephine Deubler Dean’s Scholarships: Kara Ballek, Holly Edwards, Oli Morgan, Regina Pellegrin, and Erin Wright.

Rebecca Schrader V’04, and Jennifer Seybold, V’04, are each a recipient of an Ethel H. Mitchell Dean’s Scholarship. Bruce J. Heim Dean’s Scholarships were awarded to the following members of the Class of ’04: Aylin Attila, Stephen Godin, and Courtney Maeda. Garret Patchinger, V’05, is the recipient of the Jack Mara Dean’s Scholarship. Hill’s Pet Product Dean’s Scholarships were awarded to the following members of the Class of ’05: Jessica Bertout, Christopher Blum, Amanda Bowden, Meghan Brunstedt, Jennifer Cohen, Anthony Dallatore, Amy Durham, Laurel Frydenborg, Kaira Geithman, Sabrina Goscolo, Justin Kontir, Audra Olsen, and Aimée Simpson; and to the following members of the Class of ’06: Anthony Acquaviva, Rachel Choi, and Christine Claycomb.

The following members of the Class of ’04 (continued on page 30)
THE FOLLOWING CONTRIBUTED TO THE VETERINARY STUDENT SCHOLARSHIP FUND:

In honor of those listed:
- David H. Allgeier, V.M.D. in memory of Dr. Eric Tulleners
- Emily Graves, V.M.D. in memory of Dr. Eric Tulleners
- Kristen S. Havland, V.M.D. in memory of Mrs. Carol McDevitt
- Jonathan E. Meinecke, V.M.D. in memory of Dr. and Mrs. Lester R. Barto
- Michele L. Paul, V.M.D. in memory of Elizabeth Caffrey, V.M.D.
- Thomas S. Sanquini in memory of Dr. Robert Brody

In honor of a special pet:
- Ms. Barbara R. Strauss in honor of “TUPTIM”

THE FOLLOWING CONTRIBUTED TO THE DR. DAVID H. KNIGHT MEMORIAL FUND:

In memory of those listed:
- Ms. Anita D. Bodell
- Mr. Eric D. Knight
- Susan Lazarus

THE FOLLOWING CONTRIBUTED TO THE NEW TEACHING AND RESEARCH BUILDING FUND:

In memory of a special pet:
- Charles N. Bell, V.M.D. in memory of “LOOCH”

THE FOLLOWING MEMORIAL OR HONORARY GIFTS WERE MADE TO NEW BOLTON CENTER:

In honor of a special person:
- Dr. Richard O. Davies in honor of Dr. James Orsini
- Charles J. Driben, V.M.D. and Butl-Moor-Deben Animal Hospital in gratitude for services by Saul Bresalier
- Patricia Heskerth, Inc. in appreciation of Dr. Jill Beech
- Mr. & Mrs. Paul Schultz in appreciation of Dr. Eric Parente
- Max L. Sponseller, V.M.D. in honor of Charles W. Baker, V.M.D.
- Amy J. Worrell, V.M.D. with thanks to Dr. Karsten Veile

In memory of a special person:
- Mr. Eric T. Haas in memory of Dr. Eric P. Tulleners
- Ms. Doris Boucher Ritter in memory of William B. Boucher, V.M.D.

In honor of a special animal:
- Ms. Eileen M. Corf in honor of “CLOVER”

In memory of a special animal:
- Ms. Charlotte F. Bohle in memory of “HAPPY”
- Jennifer R. Buchholz, V.M.D. in memory of “ASTRO”
- Mr. & Mrs. Barry E. Cose-Piper in memory of “GAMBIT”
- Ms. Aileen J. Elliott in memory of “SPEINER” and “RED FRED”
- Mr. & Mrs. John J. Gabel in memory of “PEPE”

THE FOLLOWING CONTRIBUTED TO BELL WETHER 57

In honor of those listed:
- Ms. Christine Gilbert and “BUDDY” in honor of Dr. Meg Sleeper
- Ms. Denise L. Goodnow in memory of “TIGGER”
- Ms. Aileen J. Elliott in memory of “SPENCER” and “RED FRED”
- Mr. & Mrs. Barry E. Cosel-Pieper in memory of “GAMBIT”
- Ms. Charlotte F. Bohle in memory of “HAPPY”
- Jennifer R. Buchholz, V.M.D. in memory of “ASTRO”
- Max L. Sponseller, V.M.D. in honor of Charles W. Baker, V.M.D.
- Amy J. Worrell, V.M.D. with thanks to Dr. Karsten Veile
- Mr. Eric T. Haas in memory of Dr. Eric P. Tulleners
- Ms. Doris Boucher Ritter in memory of William B. Boucher, V.M.D.
- Ms. Eileen M. Corf in honor of “CLOVER”
- Jennifer R. Buchholz, V.M.D. in memory of “ASTRO”
- Mr. & Mrs. Barry E. Cose-Piper in memory of “GAMBIT”
- Ms. Aileen J. Elliott in memory of “SPEINER” and “RED FRED”
- Mr. & Mrs. John J. Gabel in memory of “PEPE”

Scholarships (continued from page 26) were awarded


J. Maxwell Moran, Sr. Dean’s Scholarships were awarded to the following members of the Class of ’06: Kathryn Colyer, Gillian Harcerode, Kathleen Jenson, Mariah Kachmarik, Leslie Kuczynski, Tara McCafferty, Leslie McLaughlin, and Sarah O’Neill.

Nina Atwood, V’05, Janeen Carr, V’05, Marie Haddock, V’04, and Christina Valliant, V’04, each received an Ethel G. and Allen H. Carruth Dean’s Scholarship.

Samuel T. and Emily Rawsley Dean’s Scholarships were awarded to the following members of the Class of ’05: Rachel Cianciolo, Derek Cissell, Stephanie DiFrischia, Hannah Flynn, Nora Grenager, Lauren May, Brian Palmiero, Zoe Ramagnano, Sarah Reuss, Fred Winingier, and Billie Zeigler.

Alberto Rullan-Mayol, V’06, is the recipient of the Dr. John Baxter Taylor Dean’s Scholarship. New York Farmers Scholarships were awarded to the following members of the Class of ’04: Ellen Angstadt, Raul Casas-Dolz, Alexander Simon, and James Shissler. Eberhard LeSchin Founders Scholarships were awarded to the following members of the Class of ’04: Vivian Orita, Jocelyn Patterson, Laurie Prober, Christine Spodnick, and Bridget Stewart.