



AVHTM Newsletter

A 501(c)(3) nonprofit professional veterinary association

Volume 1, Issue 1

Special Events of Interest:

- **ACVIM Forum:** June 8-10, 2017
Gaylord National Resort and Convention Center Washington, D.C. USA
- **AVHTM Special Interest Group and General Meeting:** June 9, 2017; 6:00 - 10:00 PM, Gaylord Convention Center, Room Potomac 5 (ACVIM Forum)
- **IVECCS:** September 13-17, 2017; Gaylord Opryland, Nashville, TN USA

Hello and welcome to our first issue of the **Association of Veterinary Hematology and Transfusion Medicine (AVHTM) Newsletter!** The intention of this brief and informal publication is to stay in touch with our members and affiliates and provide information pertinent to the veterinary hematology, transfusion medicine and blood banking community. This newsletter will be emailed quarterly (every 3 months) and will contain information about upcoming events, as well as links to



recent publications from the veterinary transfusion and blood banking literature. Following this newsletter, please provide any feedback, suggestions, or ideas for upcoming issues. And in between newsletters, please follow us

on Facebook (@AVHTM) for other updates and check out our website (www.avhtm.org). Also, watch for exciting changes to the organization including a new logo (to be unveiled at the ACVIM Forum next month), as well as the launch of an electronic mailing list for people to ask questions and share information related to the expanding fields of hematology, transfusion medicine, and blood banking. We look forward to staying in touch and sharing information with you.

Join us at ACVIM in Washington D.C.!

Those attending the American College of Veterinary Internal Medicine (ACVIM) Forum in National Harbor, MD this year are welcome to attend the AVHTM Special Interest Group (SIG) on Friday June 9th at 6-10 PM ET. This is our annual business

meeting and research conference and will be held at the ACVIM Forum in room Potomac 5. During this event, a panel of experts in the field of transfusion medicine and blood banking will present "clinical conundrums" or dilemmas that have occurred

within their blood bank or transfusion caseload during the last year. Discussion will take place among panel members and attendees will be encouraged to contribute and share thoughts as well.

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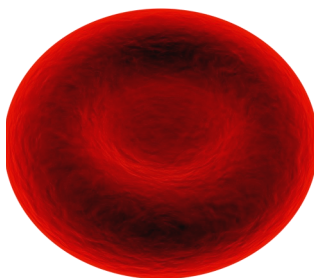
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We are also pleased to present an **AVHTM-focused stream of lectures** at the ACVIM Forum next month.

The sessions will take place on the afternoon of **Saturday, June 10th** and the speakers include a physician and veterinary specialists in the field of hematology and transfusion medicine.

AVHTM focused lectures:

- 1:00-1:50 PM: Novel Oral Anticoagulants: Human Medicine Perspective (Dr. S. Moll)
- 2:00-2:50 PM: Novel Oral Anticoagulants: Veterinary Medicine Perspective (Dr. A. deLaforcade)
- 3:00-3:50 PM: Year in Review: Transfusion Medicine (Dr. M. Holowaychuk)
- 4:00-4:50 PM: Controversies in Veterinary Blood Banking (Dr. S. Musulin)



September 13-17
Gaylord Opryland
Nashville, TN

As an affiliate of the Veterinary Emergency and Critical Care Society, the AVHTM is presenting three streams of lectures at the International Veterinary Emergency and Critical Care Society Meeting in Nashville, TN this September. There will be three blood banking sessions on the afternoon of **Friday, September 15th** including a panel discussion on controversies in blood banking that includes perspectives from academia, private practice, and industry.

- 1:30-2:30 PM: Red Blood Cell Storage Lesion (Dr. S. Musulin)
- 3:00-4:00 PM: Controversies in Blood Banking (Dr. S. Musulin)
- 4:15-5:15 PM: Panel: Controversies in Blood Banking (K. Yagi, Dr. A. Hale, Dr. S. Istvan, Dr. S. Musulin)

On the morning of **Saturday, September 16th**, there will be three sessions on transfusion medicine including a case-based lecture on the pros and cons of plasma use in practice.

- 8:00-9:00 AM: Alternatives to Allogenic Transfusion (Dr. A. Lynch)
- 9:30-10:30 AM: Autotransfusion and Red Blood Cell Salvage (Dr. K. Humm)
- 11:00-12:00 PM: Controversies in Plasma Use: Case-Based Perspective (Drs. J. Walker and M. Holowaychuk)

On the morning of **Sunday, September 17th**, there will be two sessions on trauma presented by a physician specialized in emergency and intensive care medicine.

- 8:00-9:00 AM: Management of Acute Hemorrhagic Shock in Human Medicine (Dr. L. DeLuca)
- 9:15-10:15 AM: Human Trauma Updates (Dr. L. DeLuca)



Recently Published Articles

The articles listed below are those published so far **January-April 2017** in the field of veterinary transfusion medicine and blood banking:

- Ashall, V. and P. Hobson-West. "'Doing good by proxy': Human-animal kinship and the 'donation' of canine blood." *Social Health Illn.* [open access]
- Blake, R. R., et al. "Evaluation of eicosanoid concentrations in stored units of canine packed red blood cells." *J Am Vet Med Assoc.*
- Borzogmanesh, R., et al. "Comparison of equine platelet function and survival in whole blood collected in acid-citrate-dextrose solution or citrate-phosphate-dextrose-adenine solution." *Vet Clin Pathol.*
- Diaz-Reganon, D., et al. "Molecular detection of Hepatozoon spp. and Cytauxzoon sp. in domestic and stray cats from Madrid, Spain." *Parasit Vectors.* [open access]
- Farrell, K. S., et al. "Validation of a smartphone-based point-of-care hemoglobin assay for use in dogs." *J Vet Emerg Crit Care (San Antonio).*
- Goulet, S. and M. C. Blais. "Characterization of Anti- Dal Alloantibodies Following Sensitization of Two Dal-Negative Dogs." *Vet Pathol.*
- Goulet, S., et al. "Prevalence and Mode of Inheritance of the Dal Blood Group in Dogs in North America." *J Vet Intern Med.* [open access]
- Hauschild, G., et al. "Short term storage stability at room temperature of two different platelet-rich plasma preparations from equine donors and potential impact on growth factor concentrations." *BMC Vet Res.* [open access]
- Hourani, L., et al. "Alloimmunisation in transfused patients: serial cross-matching in a population of hospitalised cats." *J Feline Med Surg.*
- Klein, H. G. "The red cell storage lesion(s): of dogs and men." *Blood Transfus.* [open access]
- Langston, C., et al. "Blood Transfusions in Dogs and Cats Receiving Hemodialysis: 230 Cases (June 1997-September 2012)." *J Vet Intern Med.* [open access]
- Maglaras, C. H., et al. "Retrospective evaluation of the effect of red blood cell product age on occurrence of acute transfusion-related complications in dogs: 210 cases (2010-2012)." *J Vet Emerg Crit Care (San Antonio).*
- McEntire, M. C., et al. "Comparison of established and novel methods for the detection and enumeration of microparticles in canine stored erythrocyte concentrates for transfusion." *Vet Clin Pathol.*
- Muro, S. M., et al. "Effects of Leukoreduction and Storage on Erythrocyte Phosphatidylserine Expression and Eicosanoid Concentrations in Units of Canine Packed Red Blood Cells." *J Vet Intern Med.* [open access]
- Ogunayo, A., et al. "Incidence of incompatible crossmatch results in dogs admitted to a veterinary teaching hospital with no history of prior red blood cell transfusion." *J Am Vet Med Assoc.*
- Oron, L., et al. "Ultrasound-guided intracardiac xenotransfusion of canine packed red blood cells and epinephrine to the left ventricle of a severely anemic cat during cardiopulmonary resuscitation." *J Vet Emerg Crit Care (San Antonio).*
- Pogozhykh, D., et al. "Exploring the Possibility of Cryopreservation of Feline and Canine Erythrocytes by Rapid Freezing with Penetrating and Non-Penetrating Cryoprotectants." *PLoS One.* [open access]
- Purcell, S. L., et al. "Interleukin-8, interleukin-1 beta and tumour necrosis factor-alpha in sequential units of packed red blood cells collected from retired racing Greyhounds." *Aust Vet J.*
- Raleigh, J. S., et al. "Factors Affecting Platelet Concentration in Platelet Concentrates from Canine Blood Donors." *J Vet Intern Med.* [open access]
- Spada, E., et al. "Change in haematological and selected biochemical parameters measured in feline blood donors and feline whole blood donated units." *J Feline Med Surg.*
- Spada, E., et al. "Dog erythrocyte antigens (DEA) 1, 4, 7 and suspected naturally occurring anti-DEA 7 antibodies in Italian Corso dogs." *Vet J.*
- Yang, V. C., et al. "Effect of intravenous plasma transfusion on granulocyte and monocyte oxidative and phagocytic activity in dairy calves with failure of passive immunity." *Res Vet Sci.*



Association of Veterinary Hematology and Transfusion Medicine

AVHTM is an IRS approved 501(c)(3) nonprofit professional association composed of veterinarians, hematologists, academics, veterinary technicians, blood bankers, and interested public who desire to further scientific advances in transfusion medicine and veterinary hematology.

We engage in veterinary research, promote industry standards, develop guidelines for canine and feline blood collection and processing, and publish scientific research in peer-reviewed publications.

Visit us online to learn more about AVHTM!

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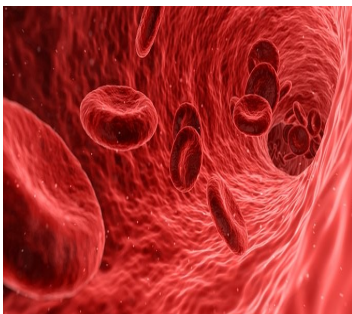
PO Box 1234
Sahuarita AZ 85629-1004

Phone: (844) 430-4300

Email: info@avhtm.org

We're on the web!

www.avhtm.org



As an AVHTM member, you are eligible for the following:

- Reduced IVECCS registration fee (veterinarians save \$100 and veterinary technicians/assistants save \$25!)
- Access the a “Members Only” section of the AVHTM website, which includes access to:
 - o Other AVHTM member profiles
 - o PubMed articles
 - o Forum for posting questions, cases, and research

Join us!

Individual Members: \$35

Students: \$5

Tax-deductible charitable contributions are also welcome!