

**Practical Transfusion Medicine**  
**Live Virtual Course | May 13, 2024**

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| DAY 1<br>Monday, May 13, 2024 |  |  |
|-------------------------------|--|--|
| Time<br>(Mountain Time)       | Topic  | Presenter(s)                                 |
| 8:00-8:15 am                  | <b>Welcome and Introductions</b>   | <i>Dr. Marie-Claude Blais</i>                |
| 8:15-9:15 am                  | <p>Liquid-Gold: Plasma Albumin; Canine Serum Albumin (CSA) vs. Human Serum Albumin (HSA)</p> <ul style="list-style-type: none"> <li>Describe the difference between fresh frozen plasma, frozen plasma, FP24, never-frozen and thawed refrigerated plasma, cryoprecipitate and cryopoor plasma, with regard to production, storage, and coagulation factor activity.</li> <li>Describe the indications for use of the aforementioned plasma products.</li> <li>To understand the clinical indications for CSA and HSA transfusions in critically ill dogs and cats</li> <li>To identify the relative risks involved when administering these products</li> <li>To be aware of the clinical signs indicating hypersensitivity reactions, both acute and delayed, especially when administering HSA, to critically ill patients</li> </ul> | <i>Dr. Claire Sharp,<br/>Dr. Lisa Powell</i> |
| 9:15-10:15 am                 | <p>ITP and IMHA</p> <ul style="list-style-type: none"> <li>ITP - focus on platelet transfusion</li> <li>Understand which transfusion products are available for the treatment of IMHA, and when to use these products.</li> <li>Understand the benefits of using stored or fresh blood in the treatment of dogs with IMHA.</li> <li>Understand the challenges associated with crossmatching/blood typing in dogs with IMHA, and how to react to these situations.</li> </ul>   | <i>Dr. Anne Hale,<br/>Dr. John Thomason</i>  |
| 10:15-10:30 am                | <b>Break</b>   |  |
| 10:30-11:30 am                | <p>Transfusion Reactions</p> <ul style="list-style-type: none"> <li>Understand distinguishing features of transfusion reactions related to the respiratory tract</li> <li>Provide an overview of treating febrile non-hemolytic transfusion reactions</li> <li>Apply the TRACS algorithm to treat transfusion reactions related to vomiting</li> </ul>   | <i>Dr. Adesola Odunayo</i>                   |

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| 10:30-11:30 am      | <p>Transfusion Reactions</p> <ul style="list-style-type: none"> <li>• Understand distinguishing features of transfusion reactions related to the respiratory tract</li> <li>• Provide an overview of treating febrile non-hemolytic transfusion reactions</li> <li>• Apply the TRACS algorithm to treat transfusion reactions related to vomiting</li> </ul>  | <i>Dr. Adesola Odunayo</i>  |
| 11:30 am – 12:30 pm | <p>Panel Discussion: Day-to-Day Blood Banking in Dogs</p> <ul style="list-style-type: none"> <li>• Video – 15 minutes</li> <li>• Discussion - 45 minutes focused new usage of plasma, pRBCs, and treatment options for ITP/IMHA, and go over Q/A questions left unanswered (if time, may cover questions such as: donor deferral list, +/- sedation, underfilled bags, lipemic plasma, thawed plasma, splitting unit, transfusion: pumps vs drip, shortage of DEA 1 negative)</li> </ul>  | <p><i>Dr. Marie-Claude Blais,<br/>Dr. Lisa Powell,<br/>Dr. John Thomason,<br/>Dr. Anne Hale,<br/>Dr. Adesola Odunayo,<br/>Dr. Claire Sharp</i></p> <p><i>Moderator: TBD</i></p> |
| 12:30-1:30 pm       | <b>Lunch Break</b>  |   |
| 1:30-2:30 pm        | <p>To Crossmatch or Not to Crossmatch -That is the Question</p> <ul style="list-style-type: none"> <li>• Justify the ideal blood compatibility assessment according to the patient's clinical presentation</li> <li>• Explain the advantages and disadvantages of the different crossmatch techniques and implement the most suitable one for your clinical context</li> <li>• Discuss the most appropriate course of action when faced with an incompatible crossmatch result</li> </ul> | <i>Dr. Marie-Claude Blais</i>   |
| 2:30-3:30 pm        | <p>Emerging Feline Literature and Xenotransfusion</p> <ul style="list-style-type: none"> <li>• The risks of xenotrasfusions and possible indications</li> <li>• How recent literature can be used to improve donation efficacy</li> <li>• Awareness of donor complications</li> </ul>   | <i>Dr. Karen Humm</i>   |
| 3:30-3:45 pm        | <b>Break</b>  |   |

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| DAY 1 (continued)<br>Monday, May 13, 2024 |   |   |
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| Time<br>(Mountain Time)                   | Topic   | Presenter(s)  |
| 3:45-4:45 pm                              | Panel Discussion: Best Practices in Feline Blood Transfusion <ul style="list-style-type: none"> <li>• Video – 15 minutes</li> <li>• Discussion - 45 minutes focused on crossmatch, xenotransfusion, challenges in feline blood transfusion</li> </ul> | <i>Dr. Marie-Claude Blais,<br/>Dr. Karen Humm,<br/>Dr. Adesola Odunayo,<br/>Dr. Claire Sharp</i><br><br><i>Moderator: TBD</i> |
| 4:45 pm                                   | <b>Closing Remarks</b>  |   |