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HEmostatic RESuscitation and Trauma Induced Coagulopathy (HERETIC) Symposium

CMMR/TTMRC/THOR

October 11 and 12, 2022

Wyndham Pittsburgh University Center, Pittsburgh, PA

Day 1 – October 11, 2022		
Time	Title	Speakers
7:00 – 8:00	Continental Breakfast	
8:00 – 8:05	Conference Introduction	Dr. Anantha Shekhar
8:05 – 8:35	Epidemiology, Outcomes, and Gaps in Knowledge for Traumatic Bleeding in Adults	Dr. Jason Sperry
8:35 – 8:55	Epidemiology, Outcomes, and Gaps in Knowledge for Traumatic Bleeding in Children	Dr. Christine Leeper
8:55 – 9:10	Open Forum Discussion	Moderator: Dr. Philip Spinella
9:10 – 9:50	Panel discussion: What Educational or Bioengineering Breakthroughs do Prehospital and Hospital-Based Providers Need to Improve Care?	Moderator: COL Jennifer Gurney and Dr. Joshua Brown Panel: Mr. Eric Bank and Drs. Geir Strandenes, Gene Moore, Donald Jenkins, and Martin Schreiber
9:50 – 10:00	Coffee Break	
10:00 – 10:10	TTMRC Overview and the Goals of Precision Medicine	Drs. Philip Spinella and Matthew Neal
10:10 – 10:55	Clinical decision making with and without randomized clinical trials: A matter of risk- benefit?	Dr. Alik Thomas Moderator: Dr. Roger Lewis
10:55 – 11:40	Adaptive and Platform Trial Design	Dr. Roger Lewis
11:40 – 12:40	Lunch - Buffet	
12:40 – 1:00	Biology and Treatment of Endotheliopathy of Trauma	Dr. Shibani Pati
1:00 – 1:25	Biology and Treatment of TIC – Early-phase Response	Dr. Lucy Kornblith
1:25 – 1:50	Biology and Treatment of TIC – Late-phase Response	Dr. Matthew Neal
1:50 – 2:10	Trauma and Multiomics: Advantages, Advances, Opportunities	Dr. Timothy Billiar
2:10 – 2:30	LTOWB for Life-Threatening Bleeding	Dr. Philip Spinella
2:30 – 2:50	What's D problem? Using RhD positive RBCs in massive bleeding	Dr. Mark Yazer
2:50 – 3:05	Open Forum Discussion	Moderator: Dr. Matthew Neal
3:05 – 3:20	Coffee Break	
3:20 – 3:40	Current Evidence Regarding the Use of TXA for Traumatic Brain Injury	Dr. Martin Schreiber
3:40 – 4:10	The Role of Post-injury Hypocalcemia	Dr. Gene Moore
4:10 – 4:50	Debate: Viscoelastic Testing is Superior to Conventional Lab based Coagulation Testing for Hemostatic Monitoring during Traumatic Hemorrhage	Moderator: Dr. Gene Moore Panel: Drs. Melissa Cushing (Pro) and Jeannie Callum (Con)
4:50 – 5:15	Implementation of Prehospital Blood Programs	Dr. Donald Jenkins
5:15 – 5:40	Emergency Preparedness for Mass-Casualty Events	Dr. Donald Jenkins
5:40 – 5:55	Open Forum Discussion	Moderator: Dr. Christine Leeper
6:00 – 8:00	Evening Reception – Heavy Hors d'oeuvres	



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Day 2 – October 12, 2022		
Time	Title	Speakers
7:00 – 8:00	Breakfast Buffet	
8:00 – 8:45	Transformational Change in Combat Casualty Care Research	COL Andrew Cap
8:45 – 9:00	DHA Research and Engineering Overview	Dr. Saafan Malik
9:00 – 9:15	Combat Casualty Research Program	CDR Travis Polk
9:15 – 9:30	USAISR Transfusion Medicine Research Program Overview	COL Andrew Cap
9:30 – 9:45	NAMRU Transfusion Medicine Research Program Use of NHP	Dr. Anthony Pusateri
9:45 – 10:00	DARPA Transfusion Research Priorities: the Fieldable Solutions for Hemorrhage with bio-Artificial Resuscitation Products (FSHARP) Program	CDR Jean-Paul Chretien
10:00 – 10:15	Open Forum Discussion	Moderator: Dr. Ron Poropatich
10:15 – 10:30	Coffee Break	
10:30 – 10:50	BARDA Transfusion as MCM Research Priorities and Funding Opportunities	Dr. Mary Homer
10:50 – 11:15	The Biology of Threat X: Coagulation, inflammation, Immune and Endothelial Perturbations after Critical Injury and illness. Implications for Generalized Countermeasures and Personalized Medicine.	Dr. Mitchell Cohen
11:15 – 11:40	Trauma Care in a Rucksack	Dr. Ron Poropatich
11:40 – 11:55	Open Forum Discussion	Moderator: Dr. Philip Spinella
11:55 – 12:55	Lunch - Buffet	
12:55 – 1:20	Cold Platelets for Life-Threatening Bleeding	COL Andrew Cap
1:20 – 1:45	Current Status of Dried Plasma, Frozen Platelets, and Dried Platelets	Dr. Jeremy Cannon
1:45 – 2:10	Current Status of Platelet Mimetics in Bleeding Management	Dr. Anirban Sen Gupta
2:10 – 2:35	Current Status of Oxygen Carriers and Hypoxic RBC Storage Solutions	Dr. Pedro Cabrales
2:35 – 2:55	Plasma Exchange for TIC	Dr. Jay Raval
2:55 – 3:20	Open Forum Discussion	Moderator: Dr. Pampee Young
3:20 – 3:35	Coffee Break	
3:35 – 4:00	Microfluidic Assays for Improved Accuracy of Hemostatic Capacity and Endothelial Function	Dr. Susan Shea
4:00 – 4:35	Panel Discussion: Bioengineering Advancements Needed to Improve Outcomes for Hemorrhagic Shock	Moderators: Drs. Susan Shea and Sanjeev Shroff Panel: Drs. Anirban Sen Gupta, Harvey Borovetz, and William Wagner
4:35 – 4:40	Conclusions	Drs. Ron Poropatich and Philip Spinella

