



Innovation in Translational Science and Surgical and Intensive Care Research

Research and Medical Care in the World in Times of War and Peace

13 – 16 April 2026

Cliff Lodge

Snowbird, Utah



This is not a “skiing meeting”

Mindset and mission: *Survival and best practice medical care for the combat casualty or civilian patient in front of you.*

Participants: *Representatives of a country that has not seen war on its territory in generations, a country in a major war now and one in a state of perpetual warfare.*

Setting: *Single conference room. No parallel sessions. All attendees participate.*

The program will cover surgical intensive care, management of severe combined trauma, tourniquet use and tourniquet syndrome, reconstructive surgery after polytrauma, limb loss, vascular trauma, infection, traumatic brain injury, point of injury- and prehospital life-saving interventions, development of portable, wearable critical care capabilities for out-of-hospital medicine, extracorporeal life support, eCPR, single and multiorgan failure, all aspects of training, preparedness, evacuation and trauma management in combat and civilian medical settings both urban and rural, underserved, areas around the USA and the world

We invited a diverse audience of clinicians, researchers, students, policy makers, volunteers and innovators to discuss equipment, methods, and care for the most severely injured. We especially welcome those with paradigm-shifting disruptive solutions

Presenters are facilitators of problem presentation

Opposing views are expected and encouraged

Thoughtful debate is required because opposing views are a way toward problem resolution and progress

This conference is organized by the Autonomous Reanimation and Evacuation Research Institute, a program of record of The Geneva Foundation, a 501(c)3 non-profit research support organization.

Monday, April 13, 2026

Welcome to Snowbird! We are glad you are here!

All sessions will take place in Room Primrose B with audience participation, no parallel sessions

All meals and breaks will take place in Room Primrose A

Vendor exhibits in Room Primrose A

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| 07:00 | 07:50 | Breakfast |
| 07:50 | 08:00 | Conference Chair Message of the day and problem definition Andriy (Andrew) Batchinsky, MD, Founding Director AREVA, Conference Chair |

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|------|-------|---|-------------------------------------|
| 8:00 | 10:00 | From Combat and Civilian Medical Unpreparedness to meeting Challenges of the Present and Future Wars | |
| | | <i>Moderators: Dmytro Samofalov, MD, Ukraine and Andriy Batchinsky, MD, USA</i> | |
| 8:00 | 8:20 | Unified Medical Space and Medical Care During Drone-based Warfare | Dmytro Samofalov, MD, Ukraine |
| 8:20 | 8:40 | Pre-deployment Education of Military Cadre in the War in Ukraine | Speaker TBD, Ukraine |
| 8:40 | 9:00 | Implications of Being Ready from a Country in Perpetual State of War | Avi Benov, MD, Israel |
| 9:00 | 9:20 | Forward Surgical Preparedness: How to get Ready for Something We are Not Ready for? | Col Jennifer Gurney, MD, USA |
| 9:20 | 9:40 | Practical Skillset and Hands on Experiential Learning | Scotty Bolleter, EMT-P, USA |
| 9:40 | 10:00 | Round Table Discussion: Prepare to fail or fail to prepare? | All faculty and audience discussion |

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| 9:50 | 10:00 | Break |
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| 10:00 | 12:00 | Trauma Registry and Analysis of Medical Data: How Should We Do It? | |
| | | <i>Moderators: Kostyantyn Gumeniuk, MD, PhD, Ukraine and Col Jennifer Gurney, MD, USA</i> | |
| 10:00 | 10:20 | Data Analytics and Registry Building: Tablet Based Digital Tabulation of Injuries at Role 1 and 2 Equivalent in Ukraine | MAJ Oleksandr Danyliuk, MD, Ukraine |
| 10:20 | 10:40 | The AREVA Trauma Registry on War Related Injuries: Data Entry and Quality Standards | Jeffrey Howard, PhD, USA |
| 10:40 | 11:00 | What's next for DoDTR? | LTC (ret) Jonathan Stallings, PhD, USA |
| 11:00 | 11:20 | Death on the Battlefield in the Era of Drone-based Warfare: Analysis of KIA and DOW: Impact on Future Protective Gear | Vasyl Strilka, MD, Ukraine |
| 11:20 | 11:30 | Comparative Evaluation of the AREVA Trauma Registry and the "Healthy" Electronic Medical Record in Ukraine (10 min) | Oleksandr Topachevskyi, Ukraine |
| 11:30 | 12:00 | Round table discussion: What are the similarities and differences between a trauma registry and an electronic health record and how should they be used? | All faculty and audience discussion |

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| 12:00 | 16:00 | Networking Break, exhibitor area visits, free time. |
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| 15:30 | 17:00 | Après Ski: Refreshments in the Vendor Exhibit Area |
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| 16:00 | 17:00 | Abstract Presentations (10 min each) <i>Moderator: Sofia Chaikowska, MD, PhD, Ukraine and Senthil Mudaliar, MD, USA</i> | |
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| 16:00 | 16:10 | Methods of Temporary Hemostasis in Gunshot Wounds of the Abdomen | Ievgen Kvasnevskyi, MD, Ukraine |
| 16:10 | 16:20 | Forward Tissue Perfusion Monitoring in Large-Scale Combat Operations: Early Clinical Experience from Ukraine | Robert D Furberg, PhD, USA |
| 16:20 | 16:30 | Non-Compressible Junctional Hemorrhage Control Device Proof of Concept | Emma Priestly, Meng, UK |
| 16:30 | 16:40 | Immediate Post-Injury Extracorporeal CO ₂ Removal as a pH Stabilization Intervention Associated with Survival in a High-Mortality Polytrauma Model | Alexis Salazar, OMS-III, USA |
| 16:40 | 16:50 | Vital Sign Monitoring with Laser Speckle Imaging for Reliable Far-Forward Monitoring Across Spatial Scales in Combat Casualty Care | Christian Crouzet, PhD, USA |
| 16:50 | 17:00 | TBD Selection from abstracts | TBD |

| 17:00 | 19:00 | Combat TBI is Not an Automatic Death Sentence <i>Moderators: Andrii Sirko, MD, PhD, Ukraine and Rocco Armonda, MD, USA</i> | |
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| 17:00 | 17:20 | From Early Detection to Definitive Surgery: Lessons from the SAFETY Study and Combat-Related Acute Subdural Hematomas in Ukraine | Andrii Sirko, MD, PhD, Ukraine |
| 17:20 | 17:40 | Neurotrauma in Large-Scale Combat Operations: Lessons from Ukraine and the Evolution of Penetrating TBI Guidelines | Rocco Armonda, MD, USA |
| 17:40 | 18:00 | Presentation chosen from abstracts | To be determined |
| 18:00 | 18:20 | Hidden in Plain Sight: Discrepancies Between Clinical Risk Profiles and Actual Mortality in Combat Arms Veterans | Mary Jo Pugh, PhD, RN, USA |
| 18:20 | 18:30 | Management of Head Injury: Unusual Cases of Survival in Dnipro Metchnikov Hospital (10 min) | Bohdan Sirko MD, Ukraine |
| 18:30 | 19:00 | Round table discussion: Neurosurgery early after head injury: is it changing triage definitions in the war in Ukraine? | All faculty and audience discussion |

Free evening, Dinner on your own.

Tuesday, April 14, 2026

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| 07:00 | 07:50 | Breakfast |
| 07:50 | 08:00 | Conference Chair Message of the day and problem definition |

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| 8:00 | 10:00 | Lessons Learned from the War in Ukraine: Drones Changed Everything | |
| | | <i>Moderators: Oleksandr Danyliuk, MD, Ukraine and Mark Mims, MD, USA</i> | |
| 8:00 | 8:20 | Heart Transplantation and Patient Transport Under Drone Fire and Blackout Conditions | Boris Todurov, MD, PhD, Ukraine |
| 8:20 | 8:40 | Management of Polytrauma in Ukraine: What I Learned and what I Teach | Roman Hayda, MD, USA |
| 8:40 | 9:00 | Maxillofacial Trauma from Drones: Is Directional Impact Important? | Tetiana Pavylchuk, MD, Ukraine |
| 9:00 | 9:20 | Toward Evidence-Based Management of Tourniquet Syndrome: Extremity Compartment Pressure Measurement on the Battlefield | Lawrence Renna, PhD, USA |
| 9:20 | 9:30 | Presentation chosen from abstracts | To be determined |
| 9:30 | 10:00 | Round table discussion: What is the effect of drone warfare on timing for administration of life saving interventions and how does this change the future of combat medicine? | All faculty and audience discussion |

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| 9:55 | 10:00 | Break |
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| 10:00 | 12:00 | Lessons Learned from the War in Ukraine: Trauma Management | |
| | | <i>Moderators: Oleh Herasymenko, MD, PhD, Ukraine and Roman Hayda, MD, USA</i> | |
| 10:00 | 10:20 | Laparoscopic and Thoracoscopic Interventions in the War-related Injuries in Ukraine: Does Minimally Invasive Surgery Have a Potential in LSCO? | COL Konstantyn Gumeniuk, MD, PhD, Ukraine |
| 10:20 | 10:40 | Management of Polytrauma Complicated with Smoke Inhalation Injury Using Heparin Free ECMO | Serhii Sudakevych, MD, PhD, Ukraine |
| 10:40 | 11:00 | Title TBD | Ukr Speaker TBD |
| 11:00 | 11:20 | How Would I do ECPR on the Battlefield if I had to do it Tomorrow? | Jonathan Marinaro, MD, USA |
| 11:20 | 11:30 | Best Abstracts/Trauma Management: Effectiveness of Flap-Based Reconstruction in the Management of Complex War-Related Soft Tissue Defects (10 minutes) | Anna Karavska, MD, Ukraine |
| 11:30 | 12:00 | Round table discussion: What advanced interventions should we consider for development in drone-based warfare? | All faculty and audience discussion |

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| 12:00 | 15:30 | Networking Break, exhibitor area visits, free time. |
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| 14:30 | 16:00 | Après Ski: Refreshments in the Vendor Exhibit Area |
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| 15:30 | 17:30 | Innovation in Medical Devices | |
| | | <i>Moderators: Serhii Sudakevych, MD, PhD, Ukraine and Lawrence Renna PhD, USA</i> | |

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| 15:30 | 15:50 | Medical Device Innovation in USA is Problem-Free: From Military Leader to Medical Director of a Startup | Kevin Chung, MD, USA |
| 15:50 | 16:10 | Vascular Injuries from the War in Ukraine: Drone and the Evolving Injury Pattern | Jonathan Morrison, MB ChB, PhD, USA |
| 16:10 | 16:30 | Prolonged Partial REBOA With pREBOA-PRO™ for Combat Non-Compressible Torso Hemorrhage in Ukraine: Early Outcomes and Physiologic Predictors of Survival | Kenneth Mullins, PhD, USA |
| 16:30 | 16:50 | Beyond the Platinum Ten Minutes: Controlled Automated Reperfusion Following Exsanguinating Hemorrhage | Patrick Walker, MD, USA |
| 16:50 | 17:00 | Presentation chosen from abstracts | To be determined |
| 17:00 | 17:30 | Round Table Discussion: What types of medical devices are needed in Ukraine and will be needed in future LSCO for NATO forces? | All faculty and audience discussion |

Invited Speakers and Faculty: Group Dinner and Cultural Enrichment Event
All Others: Free evening, Dinner on your own

Wednesday, April 15, 2026

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| 07:00 | 07:50 | Breakfast | |
| 07:50 | 08:00 | Conference Chair Message of the day and problem definition. | |

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| 08:00 | 10:00 | Innovation for Future Battlefield Care | |
| | | <i>Moderators: Dmytro Samofalov, MD, PhD, Ukraine and Andriy Batchinsky, MD, USA</i> | |
| 8:00 | 8:20 | Battlefield ECMO Implementation in Wartime medicine in Ukraine | Andriy Vysotskyi, MD, Ukraine |
| 8:20 | 8:40 | Artificial Blood and Interventions on the Battlefield | Allan Doctor, MD, USA |
| 8:40 | 9:00 | How DARPA Prepares for Future Battlefields? | Adam Willis, MD, USA |
| 9:00 | 9:20 | Compartment Pressure Measurement and Regional Tissue Health | Olivier Bataille, Canada |
| 9:20 | 9:30 | InFlo MOBYBOX: Anticoagulant free ECMO anywhere, from bedside to transport (10 min) | Nick Williams, PhD, USA |
| 9:30 | 10:00 | Round Table Discussion: How do we innovate for future battlefield needs? | All faculty and audience discussion |

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| 9:50 | 10:00 | Coffee Break: Vendor Exhibit Area | |
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| 10:00 | 12:00 | Paradigm Changing Medical Care in Underserved Areas Around the World | |
| | | <i>Moderators: Borys Todorov, MD, PhD, Ukraine and Morgan Hutchinson, MD, USA</i> | |
| 10:00 | 10:20 | Experiential Training of Ukrainian Trauma Surgeons in the US | Mark Mims, MD, USA |
| 10:20 | 10:40 | Medical Care to Combat Casualties and Civilians in the Gaza War | MAJ Daniel Barsky, MD, Israel |
| 10:40 | 11:00 | Razom, Together or an Army of 1? How to Make a Difference in Ukraine in the Ongoing War | Alexandra Domaradsky and Yuliia Shama, USA/Ukraine |
| 11:00 | 11:20 | Transformative Patient-Centered Medical Care in Underserved Areas in USA: I am Not a Doctor. Is it a Problem or an Advantage? | Travis LeFever, USA |
| 11:20 | 11:40 | How ARPA-H Sees Medicine in Underserved Areas | Morgan Hutchinson, MD, USA |
| 11:40 | 12:00 | Round Table Discussion: How can medicine in underserved areas and combat medicine teach us about improvements in medical care? | All faculty and audience discussion |

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| 12:00 | 16:00 | Networking Break, exhibitor area visits, free time. | |
| 13:00 | 16:00 | Giant Slalom fun run (group pictures on the slopes) Weather permitting. (Note all participants are expected to let the conference chair win...it's basic good manners...) | Sign up at registration desk at conference |
| 15:30 | 17:00 | Après Ski: Refreshments in the Vendor Exhibit Area | |

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| 16:00 | 17:00 | Abstract Presentations (10 min) | |
| | | <i>Moderators: Ievgen Kvasnevskyi, MD, PhD, Ukraine and George Harea, PhD, USA</i> | |
| 16:00 | 16:10 | Presentation chosen from abstracts | To be determined |
| 16:10 | 16:20 | Novel intravascular catheter for optimization of lung support | Tobias Straube, MD, USA |

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| 16:20 | 16:30 | Organ Whispering? A Method for Real-Time Detection of Change in Pathophysiological Dynamics from Arterial Blood Gas Analysis | MAJ Senthil Mudaliar, MD, MBA, MPH, M.Eng, USA |
| 16:30 | 16:40 | Presentation chosen from abstracts | To be determined |
| 16:40 | 16:50 | Determining the Maximum Efficiency of Extracorporeal CO ₂ Removal via Benchmarking Ventilation-Perfusion Ratios in Extracorporeal Circuitry: Use High Sweep Gas Rates in Early Post-Injury Clinical Care | Marina Batchinsky, BS, USA |
| 16:50 | 17:00 | An “Improper” Tourniquet, Properly Applied: Venous Outflow Control to Mitigate Systemic Reperfusion Injury After Prolonged Tourniquet Application | Saman Qadri, MD, USA |

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| 17:00 | 19:00 | War Related Injuries: Trauma and Infection Management | |
| | | <i>Moderators: Oleh Herasymenko, MD, Ukraine and MAJ Daniel Barsky, MD, Israel</i> | |
| 17:00 | 17:20 | Antibiotic Resistance After War Related Injuries in Ukraine | Ian Stewart MD, USA |
| 17:20 | 17:40 | Pseudomonas Infection In Translational Models: Clinical Relevance and Implications | Miklos Lipcsey MD, Sweden (Virtual) |
| 17:40 | 18:00 | Abdominal Trauma and Infection Complications | Oleh Herasymenko, MD, Ukraine |
| 18:00 | 18:20 | Complicated Orthopedic Polytrauma and Infection Management | COL Yuriy Yarmoliuk MD, Ukraine |
| 18:20 | 18:30 | Presentation chosen from abstracts | To be determined |
| 18:30 | 18:50 | Round Table Discussion: Infectious complications and their effects on combat wounded and return to duty | All faculty and audience discussion |

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| 19:00 | | Gala Dinner, The Aerie Restaurant Cliff Lodge, 10 th Floor | |
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Thursday, April 16, 2026

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| 07:00 | 07:50 | Breakfast |
| 07:50 | 08:00 | Conference Chair Message of the day and problem definition |

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| 8:00 | 10:00 | ABA Compliant Burn Registry in Ukraine: Burns and Reconstructive Surgery Management | |
| | | <i>Moderators: Hnat Herych, MD and Sandy Snyder, PhD, USA</i> | |
| 8:00 | 8:20 | Clinical experience in treating combat military burns, initial findings | Olga Kovalenko, MD, Ukraine |
| 8:20 | 8:40 | Burn Care in Vynnytsja Burn Center | Roman Chornopyschuk, MD, Ukraine |
| 8:40 | 9:00 | Burn Care in Lviv Burn Center | Halyna Saian, MD, Ukraine |
| 9:00 | 9:20 | Successful Adjunctive Large-Area Cold Plasma Therapy for Multidrug-Resistant Colonized Combat Burns in Ukrainian Soldiers: A Case Series | Carsten Mahrenholz, Dr. rer. nat., MSc, MBA, Germany |
| 9:20 | 9:30 | Best Abstracts/Burns: Suprathel® and Full-Thickness Skin Microcolumns Combined with a Dermal Matrix for Partial- and Full-thickness Burns | Elizabeth Batchinsky, BS, USA |
| 9:30 | 10:00 | Round Table Discussion: How do we improve burn care in Ukraine using the AREVA Burn Registry? | All faculty and audience discussion |

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| 9:50 | 10:00 | Coffee Break: Vendor Exhibit Area |
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| 10:00 | 12:00 | International Roundtable Discussion of bullet points for position paper from round table discussions to be published following conference All faculty and attendee discussion Meeting Recommendations All faculty and audience discussion |
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Closing words from Conference Chair

Meeting adjourns

Thank you for attending!

See you in 2027!

The views and conclusions expressed during this conference are those of the author(s) alone and should not be interpreted as representing the official policies or endorsements, either expressed or implied, of the participating speakers and/or the governments and countries they represent.

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