



**2016 RDCR Symposium
June 20-22, 2016**

**DRAFT Agenda
As of 25 MAY 2016**

Monday, June 20

- 0830-0835 **Opening remarks**
Geir Strandenes, MD
*Senior Medical Officer
Norwegian Naval Spec. Op. Commando
Researcher, Department of Immunology
and Transfusion Medicine
Haukeland University Hospital
Bergen, Norway*
- Philip C. Spinella, MD FCCM
*Associate Professor
Director, Translational Research Program
Division of Critical Care, Department Pediatrics
Washington University in St Louis,
St Louis, MO USA*
- Surgeon Rear Admiral Jan Sommerfelt-Pettersen
Surgeon General, Norwegian Armed Forces
- 0835 **SESSION I: VIDEO DEMONSTRATION OF PREHOSPITAL CARE CHALLENGES**
Moderator:
Geir Strandenes, MD
*Senior Medical Officer
Norwegian Naval Special Operation Commando
Researcher, Department of Immunology and Transfusion Medicine
Haukeland University Hospital
Bergen, Norway*
- Nornavsoc Medic
Norway
- 0835-1035 **Video Demo (20min)**
Casualty Presentation #1 (15 min)
Casualty Presentation #2 (15 min)
International Medic Presentations and Panel Discussion (70 min)
- 1035-1050 Break
- 1050 **SESSION II: IMPLEMENTATION OF PRE-HOSPITAL TRAINING AND CLINICAL PRACTICE GUIDELINES**
Moderator:
LTC Andrew P. Cap, MD, PhD, FACP
*Medical Corps, US Army
Chief, Blood Research, US Army Institute of Surgical Research
Associate Professor of Medicine, Uniformed Services University
Program Director, Clinical Research Fellowship
Staff Hematologist-Oncologist
San Antonio Military Medical Center
Texas USA*
- 1050-1150 **Views and needs from the battlefield – BLAST Session**
1050-1100: **BLAST Presentation 1: Training for the Sharp End**
Marc Depasquale, NREMT-P
*US Army Forces Medic
USA*
- 1100-1110 **BLAST Presentation 2: Enhancing Performance**
Cpl Lukas Arkestål, CRNA
*Para Ranger Squadron
Karlsborg, Sweden*



- 1110-1120 **BLAST Presentation 3: Risk V Benefit - Clinical Critical Thinking**
Lee Thompson, MSc.
*Senior Paramedic for Trauma
Northern Trauma Network
North East Ambulance Service
Newcastle Upon Tyne, UK.*
- 1120-1130 **BLAST Presentation 4: Gadgets and Guidelines**
Hakon Eliassen
*SOF Medic
Norway*
- 1130-1140 **BLAST Presentation 5: Reflection & Lessons Learned**
Jens Gloersen
*SOF Medic / Paramedic
Norway*
- 1140-1150 **BLAST Presentation 6: Changing Practice**
Patrick Thompson
*SOF Medic (Retired) Paramedic
South Africa / UK*
- 1150-1220 **Moderater led Panel Discussion – Medic Training and Clinical Needs Gap Assessment**
- 1220-1230 **Skill maintainance- whats the evidence?**
LTC Ivar Austlid, MD
*Anesthesiologist
Norwegian Naval Medical Services
Bergen, Norway*
- 1230-1240 **Clinical Critical Thinking – SOF training ethos.**
Geir Strandenes, MD
*Senior Medical Officer
Norwegian Naval Special Operation Commando
Researcher, Department of Immunology and Transfusion Medicine
Haukeland University Hospital
Bergen, Norway*
- 1240-1250 **Whole Blood implementation in the cruiseliner industry: key success factor?**
Steve Williams, RN, CEN, CFRN
*Director, Medical Operations
Royal Caribbean Cruise Line*
- 1250-1350 Lunch
- 1350** **SESSION III: EPIDEMIOLOGY AND OUTCOMES**
Moderators:
Heidi A Doughty MBA FRCP FRCPATH
*Civilian Defence Consultant Adviser
Transfusion Medicine
Headquarters Surgeon General
United Kingdom*
Donald H Jenkins, MD
*Consultant, Division of Trauma,
Critical Care and General Surgery
Assoc. Prof. of Surgery
College of Medicine
Med Dir, Trauma Center Mayo Clinic
Rochester, Minnesota USA*
- 1350-1420 **Epidemiology and outcomes of traumatic hemorrhagic shock: Where is the money?**
Philip C. Spinella, MD FCCM
*Associate Professor
Dir, Translational Research Program
Division of Critical Care, Pediatrics
Washington University in St Louis
St Louis, MO USA*
- 1420-1435 **Moderator-led Discussion**



1435	SESSION IV: LEADERSHIP SESSION Moderator: Donald H Jenkins, MD <i>Consultant, Division of Trauma, Critical Care and General Surgery Assoc. Prof. of Surgery, College of Medicine Med Dir, Trauma Center Mayo Clinic Rochester, Minnesota USA</i>	Heidi A Doughty MBA FRCP FRCPATH <i>Civilian Defence Consultant Adviser Transfusion Medicine Headquarters Surgeon General United Kingdom</i>
1435-1510	Leadership and Lessons Learned from the Tactical Combat Casualty Care Committee Frank K. Butler, MD, FAAO, FUHM, FAUAS <i>CAPT MC USN (Ret) Chairman, Committee on Tactical Combat Casualty Care Director of Prehospital Trauma Care Joint Trauma System Adjunct Professor of Military and Emergency Medicine Uniformed University of the Health Sciences USA</i>	
1510-1520	Maintenance of zero preventable death goals within the 75th Ranger Regiment Jonathan D. Bailey, MD <i>Deputy Regimental Surgeon 75th Ranger Regiment U.S. Army Special Operations Command USA</i>	
1520-1535	Evidence Based Pre-deployment training: Leaders, Teams and Outcomes Colonel Paul Parker <i>Consultant Trauma & Orthopaedics Anaesthetics Royal Centre of Defence Medicine Queen Elizabeth Medical Centre UK</i>	
1535-1600	Keynote Address: Leadership skills for culture change Brigadier General Timothy J Hodgetts, CBE <i>Medical Director DMS UK</i>	
1600-1615	Discussion	
1615-1815	Break	
1815-1915	Industry Social Hour	
1915-2000	Break	
2000	Dinner	



Tuesday, June 21

- 0830** **SESSION V: SHOCK**
Moderators:
Kevin R. Ward, MD
*Professor, Dept of Emergency Medicine
University of Michigan
Director, Michigan Center for Integrative
Research in Critical Care
Ann Arbor, Michigan USA*
- Christopher Bjerkvig, MD
*Norwegian Naval Special Operation Commando
Dept of Anaesthesia and Intensive Care
Haukeland University Hospital
Bergen, Norway*
- 0830-0855 **Blood failure: Oxygen debt, coagulopathy, and endothelial damage**
Nathan White, MD, MS
*Assistant Professor,
University of Washington Dept. of Medicine
Division of Emergency Medicine
Seattle, Washington USA*
- 0855-0920 **Compensatory reserve index to identify shock**
Victor A Convertino, Ph.D., FACSM, FAsMA
*Senior Research Physiologist
US Army Institute of Surgical Research
Fort Sam Houston, TX USA*
- 0920-0945 **Can hemodynamic-guided hemostatic resuscitation be applied in the pre-hospital environment?**
Richard P. Dutton, MD, MBA
*Chief Quality Officer
United States Anesthesia Partners
Dallas, Texas USA*
- 0945-1000 **Moderator-led discussion**
- 1000-1015 Break
- 1015** **SESSION VI: TRAUMA AND TRANSFUSION IMMUNOLOGY**
Moderator:
Ernest E. Moore, MD
*Professor and Vice Chairman for Research, Department of Surgery
University of Colorado
Editor, Journal of Trauma
Denver, Colorado USA*
- 1015-1040 **Effects of trauma and early resuscitation on immune function and outcomes**
Mark W. Hall, MD FAAP, FCCM
*Chief, Critical Care Medicine
Director, Immune Surveillance Laboratory
Nationwide Children's Hospital and
The Ohio State University
Columbus, OH, USA*
- 1040-1105 **Immunologic effects of trauma and from plasma transfusion**
Jennifer A Muszynski, MD
*Assistant Professor of Pediatrics
Division of Critical Care Medicine
Nationwide Children's Hospital
The Ohio State University College of Medicine
Columbus, Ohio USA*
- 1105-1115 **Moderator-led discussion**



- 1115-1155 **Paris Shooting Medical Response**
Pr Jean-Pierre Tourtier
*Professor, Head of Emergency Dept
Paris Fire Brigade
Paris, France*
- Sylvain Ausset, MD
*Professor & Chair
Div of Emergency, Anaesthesia, Intensive Care & Burn Unit
Percy Military hospital
Clamart, France*
- 1155-1230 **Case presentations with audience response system**
Case Presenter:
Geir Strandenes, MD
*Senior Medical Officer
Norwegian Naval Special Operation Commando
Researcher, Department of Immunology and Transfusion Medicine
Haukeland University Hospital
Bergen, Norway*
- Panelists:**
COL Elon Glassberg, MD, MHA
*Israel Defense Forces Medical Corps
Israel*
- Col Thomas Woolley, MD, FRCA, RAMC
*Defence Professor of Anaesthesia and Critical Care
UK*
- Geir Arne Sunde, MD
*Consultant, Anesthesiologist
Helicopter Emergency Medical Services
Haukeland University Hospital, Bergen, Norway
Researcher, Norwegian Air Ambulance Foundation
Drøbak, Norway*
- Richard P. Dutton, MD, MBA
*Chief Quality Officer
United States Anesthesia Partners
USA*
- Dr. Anne Weaver FRCEM
*Consultant in Emergency Medicine & Pre-Hospital Care
London's Air Ambulance and Barts Health NHS Trust
London, UK*
- 1230-1330 Lunch
- 1330-1440 Break
- 1440 **SESSION VII: HEMOSTASIS/COAGULOPATHY**
Moderator:
Kenneth Bertram, MD, PhD
*Principal Assistant for Acquisition
US Army Medical Research and Materiel Command
Fort Detrick, Maryland, USA*
- 1440-1500 **Role of Post-Shock Metabolites in the Pathogenesis of Trauma Induced Coagulopathy**
Ernest E. Moore, MD
*Professor and Vice Chairman for Research, Department of Surgery
University of Colorado
Editor, Journal of Trauma
Denver, Colorado USA*



- 1500-1520 **The Staging of Trauma Induced Coagulopathy: Monitoring and Therapeutic Implications**
LTC Andrew P. Cap, MD, PhD, FACP
*Medical Corps, US Army
Chief, Blood Research, US Army Institute of Surgical Research
Associate Professor of Medicine, Uniformed Services University
Program Director, Clinical Research Fellowship
Staff Hematologist-Oncologist
San Antonio Military Medical Center
Texas USA*
- 1520-1540 **Hypotensive resuscitation: How long is too long**
Col Thomas Woolley, MD, FRCA, RAMC
*Defence Professor of Anaesthesia and Critical Care
UK*
- 1540-1600 **Optimizing crystalloid based resuscitation**
COL Elon Glassberg, MD, MHA
*Israel Defense Forces Medical Corps
Israel*
- 1600-1615 **BREAK**
- 1615 **SESSION VIII-A (PARALLEL SESSION): ANIMAL MODEL PRESENTATIONS**
Moderators:
Kevin R. Ward, MD
*Professor, Department of Emergency
Medicine
University of Michigan
Director, Michigan Center for Integrative
Research in Critical Care
Ann Arbor, Michigan USA*
Colonel Michael Reade, MD DPhil
FCICM
*Prof of Military Medicine and Surgery
Australian Defence Force
Australia*
- Emrys Kirkman, PhD
*Principal Scientist
Defence Science and Technology
Laboratory
UK*
- 1615-1630 **Forest R. Sheppard, MD FACS, CDR MC USN**
*Trauma and Surgical Critical Care Surgeon
Department Head, Expeditionary and Trauma Medicine
Naval Medical Research Unit San Antonio
San Antonio, Texas, USA*
- 1630-1645 **Michael Dubick, PhD, FCCM, FACN**
*Chief, Damage Control Resuscitation Program
US Army Institute of Surgical Research
Adjunct Professor, Dept Surgery, University of Texas Health Science Center
San Antonio, TX USA*
- 1645-1700 **Sarah A Watts, PhD, BVETMED, MRCVS**
*Principal Scientist
Defence Science and Technology Laboratory
UK*
- 1700-1715 **Daniel N. Darlington, PhD**
*Medical Corps, US Army
Principle Investigator, Blood Research,
US Army Institute of Surgical Research
San Antonio Military Medical Center
San Antonio, Texas USA*
- 1715-1800 **Optimal animal model for prehospital hemorrhagic shock with panel discussion**
Kevin R. Ward, MD
*Professor, Department of Emergency Medicine
University of Michigan
Director, Michigan Center for Integrative Research in Critical Care
Ann Arbor, Michigan USA*



1615 SEISSION VIII-B (PARALLEL SESSION): FIELD WB TRANSFUSION FROM UNKNOWN DONOR

Moderators:

Patrick Thompson
SOF Medic (Retired) Paramedic
South Africa/UK

Hakon Eliassen
SOF Medic
Norway

1615-1800 How to handle an unknown donor pool

- Donor questionnaire
- Rapid typing and TTD testing
- Priorities
- Blood donation and storage

1815-1915 Industry Social Hour

1915-1930 Break

1930-2030 Dinner



Wednesday, June 22

0830 **SESSION IX: STEM CELLS FOR TRAUMATIC INJURY**

Moderator:

Philip C. Spinella, MD FCCM

*Associate Professor and Director, Translational Research Program
Division of Critical Care, Department Pediatrics
Washington University in St Louis,
St Louis, MO USA*

0830-0900 **The Future potential of cellular therapies in hemorrhagic shock and trauma**

Shibani Pati, MD PhD

*Scientific Director of Cellular Therapeutics
BSRI and Blood Systems Inc.
Associate Investigator, Blood Systems Research Institute
Associate Professor, University of California Department of Laboratory Medicine
San Francisco, USA*

0900 **SESSION X: CASE PRESENTATION**

Moderator:

Geir Stranden, MD

*Senior Medical Officer
Norwegian Naval Special Operation Commando
Researcher, Department of Immunology and Transfusion Medicine
Haukeland University Hospital
Bergen, Norway*

0900-1000 **Hospital resuscitation after prolonged evacuation.**

Case Presenter:

Geir Stranden, MD

*Senior Medical Officer
Norwegian Naval Special Operation Commando
Researcher, Department of Immunology and Transfusion Medicine
Haukeland University Hospital
Bergen, Norway*

Panelists:

Colonel Michael Reade, MD DPhil FCICM

*Professor of Military Medicine and Surgery
Australian Defence Force
Australia*

Martin A. Schreiber, MD FACS

*Chief of Trauma, Critical Care & Acute Care Surgery
Oregon Health & Science University
Oregon, USA*

Colonel Paul Parker

*Consultant Trauma & Orthopaedics Anaesthetics
Royal Centre of Defence Medicine
Queen Elizabeth Medical Centre
UK*

Ernest E. Moore, MD

*Professor and Vice Chairman for Research, Department of Surgery
University of Colorado
Editor, Journal of Trauma
Denver, Colorado USA*



- 1300-1330 **Tourniquet and other mechanical adjuncts**
Colonel Paul Parker
*Consultant Trauma & Orthopaedics Anaesthetics
Royal Centre of Defence Medicine
Queen Elizabeth Medical Centre
UK*
- 1330-1345 **REBOA**
Todd E. Rasmussen, MD FACS
*Colonel USAF MC
Director, US Combat Casualty Care Research Program
Fort Detrick, Maryland USA*
- 1345-1400 **Moderator-led Discussion**
- 1400-1430 **Summary of training, education, and research needs for pre-hospital providers**

Patrick Thompson
*SOF Medic (Retired) Paramedic
South Africa/UK*

Marc Depasquale, NREMT-P
*US Army Forces Medic
USA*

Lee Thompson, MSc.
*Senior Paramedic for Trauma
Northern Trauma Network
North East Ambulance Service
Newcastle Upon Tyne, UK.*

Hakon Eliassen
*SOF Medic
Norway*

COL Elon Glassberg, MD, MHA
*Israel Defense Forces Medical Corps
Israel*
- 1430-1445 **Wrap up and Adjournment**



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