

PROGRAM

November 15th 2018

Orea Hotel Pyramida
Bělohorská 24, Prague
Czech Republic



ÚVN



SPOLEČNOST PRO TRANSFÚZNÍ LÉKAŘSTVÍ (S.P.T.L.)



12th

**Střešovice Blood
Transfusion Day**

**Whole Blood
is Comming Back !**

www.uvn.cz/transfuzniden

12th Střešovice Blood Transfusion Day

Registration 8.00 – 9.30

Introduction 9,30 – 9,40

1st Session: RCDR and Blood Far Forward Concept 9,40 – 11,30

1. 9,40 – 10,00 RCDR and Blood Far Forward Concept as a New Challenge *Miloš Bohoněk* Military University Hospital Prague, Czech Republic
 2. 10,00 – 10,30 The Mission of the THOR Network.
The Rationale for Whole Blood Compared to Components for Hemorrhagic Shock. *Philip Spinella* Washington University in St. Louis, Missouri, USA
 3. 10,30 – 10,50 Military and Civilian Implementation of RDCR - A Novel Model of Resilience *Geir Strandenes* Norwegian Naval Special Operation Commando, Bergen, Norway
 4. 10,50 – 11,20 Whole Blood Transfusion at Point of Injury and A New Direction for NATO Battlefield Care *Andrew Cap* Army Institute of Surgical Research, Fort Sam Huston, Texas, USA
- 11,20 – 11,30 Discussion
Coffee Break 11,30 – 12,00

2nd Session: Whole Blood in National and Military Perspectives 12,00 – 13,45

5. 12,00 – 12,30 What was Old is New Again - the Use of Whole Blood for Civilian Trauma Resuscitation *Mark Yazer* The Centralized Transfusion Service in Pittsburgh, Pennsylvania, USA
6. 12,30 – 12,50 Whole Blood Program in France from Military to Civilian Settings. *Christophe Martinaud* French Military Blood Institute, Paris, France
7. 12,50 – 13,15 National Whole Blood Supply to Prehospital Settings - The Decision Making Process *Eilat Shinar* Magen David Adom – National Blood Services, Tel Aviv, Israel

8. 13,15 - 13,35 Is not Whole Blood Flowing Back to Prehistoric Times at the Period of the Coagulation Factor Concentrates? *Jan Bláha* Department of Anesthesiology, Resuscitation and Intensive Medicine, General University Hospital Prague,
- 13,35 - 13,45 Discussion
- Lunch Break 13,45– 14.45

3rd Session: Immunological Aspects of Whole Blood Transfusion, Fibrinogen and Blood Components in Pre-hospital Care, Pilot Projects in Emergency Medical Services in the Czech Republic 14,45 – 16,30

9. 14,45 -15,15 ABO, Rh, HLA Antibodies... Issues with Whole Blood *Nancy Dunbar* Dartmouth-Hitchcock Medical Center, Lebanon, New Hampshire, USA
10. 15.15 – 15.30 How to Find the Low Titre Whole Blood? CRIQeT study. *Miloš Bohoněk,* Czech Republic, USA
Mark Yazer, USA
Nancy Dunbar
11. 15,30 – 16,00 Fibrinogen Concentrate Project in Pre-hospital Care. Use of Whole Blood in Canadian forces *Andrew Beckett* Royal Canadian Medical Services, Motreal, Canada
12. 16,00 - 16,15 Fibrinogen Concentrate and Perspectives of Prehospital Care in Emergency Medical Services Prague *Petr Kolouch* Emergency Medical Services Prague, Czech Republic
13. 16,15 – 16,30 RABBIT - Pre-hospital Use of Blood Components (Red Cells and Plasma) in the Hradec Králové Region of the Czech Republic *Anatolij Truhlář* Emergency Medical Services Hradec Králové,
Vít Řeháček Transfusion Dept. of University Hospital Hradec Králové, Czech Republic
- 16,30 - 17,00 Panel Discussion
- End of Conference: 17,00
- 19,00 – 23,00 Social Evening *Orea Hotel Pyramida, Prague*

12th Střešovice Blood Transfusion Day

Conference Organisers:

Military University Hospital Prague, Czech Republic



ÚVN

Medical Emergency Service Prague, Czech Republic



Society of Blood Transfusion, Czech Medical Association of J. E. Purkyně



in cooperation with

Society of Urgent Care and Disasters Medicine,
Czech Medical Association of J. E. Purkyně



Czech Society of Anaesthesiology and Intensive Care
Medicine, Czech Medical Association of J. E. Purkyně



and

THOR – Trauma Hemostasis & Oxygenation Research Network



Expert Guarantor:

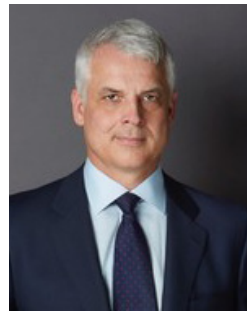
Col. Miloš Bohoněk, MD, PhD

Speakers

Lt.Col **Andrew Beckett** CD MD FRCS FACS

Royal Canadian Medical Services trauma surgeon and a staff trauma surgeon at Montreal General Hospital, The Trauma Advisor to the Surgeon.

Lt.Col Dr.Andrew Beckett served as the Canadian Trauma Surgeon at the Role III Combat Hospital at Kandahar Airfield in 2010 and 2011. He has deployed on Rotation 0 OP Attention, the medical training mission in Afghanistan as a surgical advisor to the nascent Afghan Army medical services 2011-2012. He also was served to Iraq and has supported multiple missions in Africa. His research interests include massive transfusion and resuscitation in the austere setting, combat casualty database management and military simulation training. He is currently an assistant professor of surgery at McGill University. Dr.Beckett has a very rich publishing activity in the field of military tranumatology, damage control surgery, and massive bleeding during war injuries.



Jan Bláha, MD, PhD, MHA

The deputy chief of Department of Anesthesiology and Intensive Care, 1st Faculty of Medicine, Charles University General University Hospital in Prague

As.prof.Dr.Jan Bláha joined in 1998 as a professional assistant at Department of Anesthesiology and Intensive Care, 1st Faculty of Medicine, Charles University General University Hospital in Prague, since 2006 as Deputy Head of Science and Research. He also worked as a scientist at Department of Internal Medicine and Pharmacology institute, Faculty of Medicine, Charles University in Prague.

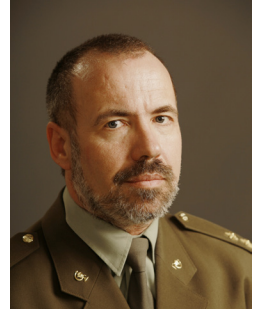
He specializes in obstetric analgesia and anesthesia, among the subjects of his professional interest

includes massive bleeding. He was a member of the interdisciplinary consensual working group for peripartur and life-threatening bleeding. Dr. Bláha is the chairman of the Section of Obstetric Anesthesia Czech society of anesthesiology and intensive care. In 2011 - 2017 he was the Vice-Chair of the Section of Obstetric Analgesia and Anesthesia of Czech society of gynecology and obstetrics, in 2011-14 was the chair of the Expert Group on Maternal Analgesia and Anesthesia. Doc.Blaha is a lecturer at the 1st Faculty of Medicine of Charles University in Prague, he is the author of many original papers in domestic and foreign journals and holds a number of awards, his lectures include more than 500 lectures both at home and abroad.



Col. Miloš Bohoněk, MD, PhD

Chief of Department of Hematology and Blood Transfusion, Military University Hospital Prague,
The senior consultant for hematology and blood transfusion Military Medical Service, Army of The Czech Republic.



Col. Dr. Miloš Bohoněk, PhD graduated from Pediatric Faculty Charles University of Prague, has specialization in pediatrics and hematology and blood transfusion. He joined Army of the Czech Republic in 1996, since then he leads the Department of Hematology and Blood Transfusion Military University Hospital Prague. The department is the leading facility in Czech Republic in cryopreservation of blood and in implementation of NAT testing into routine, for blood born infections and as well as for blood group genotyping. Col. Bohoněk was deployed on two field missions (2003 in Iraq and 2005/6 in Pakistan). His main scientific interest lies in cryopreservation of blood and in issues associated with military blood transfusion service and clinical transfusion medicine. He is the guarantor in the field of hematology and blood transfusion and the lecturer at The Faculty of Biomedical Engineering Czech Technical University Prague and the lecturer at The Faculty of Military Health Sciences University of Defense Brno. He is a member of the working group Blood Panel of COMEDS NATO, associate scientific member of The Biomedical Excellence for Safer Transfusion (BEST) Collaborative and a member of board of Society for Blood Transfusion of The Czech Medical Society and member of the National Transfusion Committee of the Ministry of Health. He has published many topics concerning blood transfusion medicine, and has had numerous talks and posters home as well as in international filed.

Col. Andrew Cap, MD, PhD

Chief, Coagulation and Blood Research Group, Army Institute of Surgical Research
Deputy hematology-oncology consultant to the surgeon general US Army

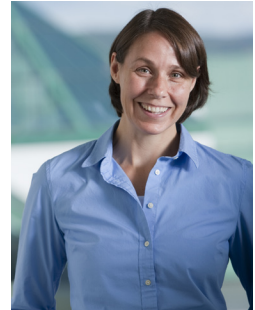


Col. Dr. Andrew Cap is a hematologist conducting basic and translational research on coagulation system function and cellular therapy products for use in trauma and burn care. His mission is to lead the U.S. Army Institute of Surgical Research Coagulation and Blood Research Group. He also serves as a staff Hematologist-Oncologist at the San Antonio Military Medical Center (SAMMC), as a core faculty member its Hematology-Oncology Fellowship Program, as Program Director for the Clinical Investigation Fellowship Program and as an Associate Professor of Medicine at the Uniformed Services University. He is a board certified internist and hematologist-oncologist and serves as hematology and blood products subject matter expert advisor to the Joint Trauma System (JTS), US Pacific Command, and the US Special Operations Command (SOCOM). His overall research goals are to decrease battlefield mortality, with emphasis on providing diagnostic and therapeutic interventions to treat hemorrhage and the coagulopathy of trauma. The mission of the Blood and Coagulation program has been focused on defining the pathophysiologic

effects of trauma on the coagulation system. Specifically, they are analyzing new diagnostics and interventions to understand the role of platelets, cell-derived microparticles, and transfusion strategies in prevention or creation of clots that occur in trauma and burned soldiers.

Nancy Dunbar, MD, PhD

The Medical Director of the Blood Bank at Dartmouth-Hitchcock Medical Center, Lebanon, NH, USA, The Associate Professor of Pathology and Laboratory Medicine at the Geisel School of Medicine, Dartmouth, NH, USA



Dr. Nancy Dunbar is the Medical Director of the Blood Bank at Dartmouth-Hitchcock Medical Center in Lebanon, NH. She is an Associate Professor of Pathology and Laboratory Medicine at the Geisel School of Medicine at Dartmouth. Dr. Dunbar is an Associate Scientific Member of the Clinical Transfusion Studies team in the Biomedical Excellence for Safer Transfusion (BEST) Collaborative. This international research organization works collaboratively to explore ways to improve transfusion-related services through standardization of analytic techniques, development of new procedures and execution of clinical trials in hemotherapy. Dr. Dunbar designed and led the Safety of Thawed Group A Plasma in Trauma (STAT) study which examined the safety of using thawed group A plasma for traumatically injured patients of unknown ABO group. Her current research interests include trauma transfusion and transfusion safety. She is very active in publishing and lecturing in the field of effective hemotherapy and massive blood transfusion.

Petr Kolouch, MD, MBA

Director, Emergency Medical Servicew Prague

Dr. Petr Kolouch graduated from the 1st Faculty of Medicine Charles University Prague in 1994 and joined a job as an anesthesiologist at Hospital in Mělník. Next worked at the Hospital in Neratovice, Univerzity hospital Královské Vinohrady Prague and hospital na Homolce, where he also served as a deputy Director of Quality in 2001-2006. He held the same function in 2008-2012 at Motol University Hospital in Prague and in 2012-2015 he was responsible for emergency medicine and trauma care there. From 2015 he is the Director of the Prague Medical Emergency Service, and since 2017 he has been Head of the Faculty of Urgent Medicine of The

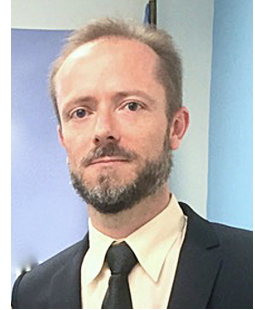


Institute for Postgraduate Medical Education Ministry of Health of Czech Republic. He holds 1st and 2nd degree attestation from anesthesiology and resuscitation, attestation of urgent medicine and general medicine attestation.

Lt. Col. Christophe Martinaud, MD

Director, Department of Advanced Therapy Medicinal Products and in the R&D Unit, French Military Blood Institute.

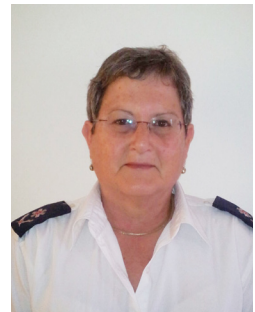
Lt.Col. Dr. Christophe Martinaud is a physician, specialist in laboratory medicine and a scientist whose researches are focused on hemorrhagic shock and mesenchymal stromal cells(MCs). He works as the head of the department of Clinical Operations (delivery of blood products, cells and tissues) and as director in the department of Advanced Therapy Medicinal Products and in the R&D Unit, at the French Military Blood Institute. He is in charge of mesenchymal stem cell production as the head of the department of ATMPs. These cells are routinely used for burns therapy and for research purposes. He works on French Lyophilized plasma and was the first to report data about its use in Afghanistan. He focused his research in this field on hemostatic properties, clinical trials in civilian and military settings and hemovigilance reporting. He also has a research activity focused on MSCs and their role in the pathogeny in hematological malignancies. His publishing activities are focused on military blood transfusion, massive bleeding, and also on hematology.



Prof. Eilat Shinar, MD,

Medical director of the Magen David Adom Blood Services Division in Israel

Prof.Dr.Eilat Shinar graduated at the Hebrew University and Hadassah Medical Center in Jerusalem. She became a specialist in Hematology in 1976, and worked as a Fellow and a Senior Physician at the department of Hematology, Hadassah Medical Center, Jerusalem. In 1984-1986 she was a Research Fellow at Children Hospital and Harvard Medical School in Boston, USA, where she studied the structure and function of Red Blood Cell Membrane in Thalassaemia. In 1988 she joined Magen David Adom (MDA) Blood Services as the director of the Hemapheresis unit, and in 1997 she was nominated as the MDA National Blood Services Director. Her main fields of interest are Transfusion Medicine, Volunteer Blood Donor Recruitment, Detection and Prevention of Transfusion- Transmitted-Diseases, Development of New Technologies for Blood Collection and Appropriate Usage of Blood Components. She is a Professor of Medicine in the Faculty of Medicine in Ben Gurion University and teh author of 94 scientific papers. In Israel-She is the Chairperson of the Advisory Committee for Blood Usage in Emergencies, and a member of the Advisory committees to the Israeli Ministry of Health on Transfusion Medicine and Aids Prevention. She is a member of GAP –the global advisory panel on Corporate Governance and Risk Management of Blood Services in Red Cross and Red Crescent Societies.



Philip C. Spinella, MD, FCCM

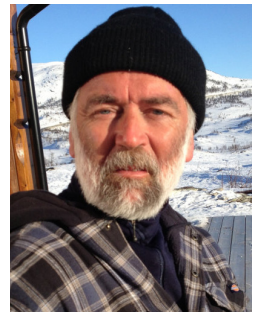
Professor of Pediatrics, Division of Critical Care Medicine
Director, Critical Care Translational Research Program,
Washington University in St. Louis, , Missouri, USA



Dr. Philip C. Spinella is the Director of the Pediatric Critical Care Translational Research Program at St Louis Children's Hospital and Professor of Pediatrics at Washington University School of Medicine. He is internationally recognized as an expert in transfusion medicine and the resuscitation of hemorrhagic shock. He co-founded the THOR Network and has been its Co-Director since 2011. Dr. Spinella served 15 years in the US Army and separated as a Lieutenant Colonel in 2007. He is a veteran of the Iraq War, where he received a Bronze Star and the Combat Medic Badge for providing care under fire. In collaboration with investigators at the US Army Institute of Surgical Research, his groundbreaking work in the area of the treatment of hemorrhagic shock received the US Army's Best Invention Award in 2008 for his role in the development of the concept of "damage control resuscitation". Dr. Spinella is a well-established clinical trialists, he has published over 130 many muniscripts and 12 chaptes in the area of both pediatric and adult critical care.

CDR. Geir Strandenes, MD

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



CDR. Dr. Geir Strandenes finished his military service in the Norwegian Army Special Operation Commando in 1982. He finished medical school in 1988 and became an approved specialist in anesthesiology since 1996. His clinical career has been in Cardiothoracic Anesthesiology Haukeland University Hospital Bergen and Prehospital Emergency Medicine in the Norwegian Air Ambulance services (1992-2007). He was a member of the Army Special Operation Commando as consulting officer from 1996-2000 and is currently the Senior Medical Officer in the Norwegian Naval Special Operation Commando from 2010. Dr. Strandenes' research interests include Prehospital Whole Blood Transfusions, Principal Investigator of the Blood Far Forward research program in cooperation with the department of Immunology and Transfusion Medicine, Haukeland University Hospital in Bergen/Norway and Us Army Institute of Surgical Research. Dr.Strandens richly publishes and lectures particularly on the topics of massive bleeding and coagulopathy in pre-hospital care.

MUDr. Vít Řeháček

Head of Transfusion Department of the University Hospital Hradec Králové, Czech Republic

Dr. Vít Řeháček graduated from Medical Faculty Hradec Králové, Charles University Prague and has the specialisation in internal medicine and hematology and blood transfusion. He is the Head of the Transfusion Department, University Hospital Hradec Králové since 2002; he is the teacher of Transfusion Medicine at the Charles University Prague - Medical and Pharmaceutical Faculties Hradec Králové; member-elect of the Board of the Society for Transfusion Medicine of the Czech Medical Association J. E. Purkyně (President 2006 – 2014, Vice-President since 2014); member of the National Transfusion Committee of the Ministry of Health and member of the GTS Working Group for Blood Transfusion of the European Directorate for the Quality of Medicines & HealthCare (EDQM), Council of Europe.



Anatolij Truhlář, MD, PhD, FERC

The Medical Deputy of Emergency Medical Services of the Hradec Králové Region, Czech Republic; Consultant in anaesthesiology and emergency medicine, Department of Anaesthesiology and Intensive Care Medicine, University Hospital Hradec Kralove, Czech Republic

Dr. Anatolij Truhlář is a consultant in anaesthesiology and emergency medicine in the Emergency Medical Services (EMS) of the Hradec Kralove Region and Department of Anaesthesiology and Intensive Care Medicine, University Hospital Hradec Kralove, Czech Republic. He is currently working as an EMS Medical Director and a leading physician at the Helicopter Emergency Medical Service (HEMS) base in Hradec Králové. In 2010, Anatolij became the Chairman of the Czech Resuscitation Council (CzeRC), in 2011 was elected as a Board member of the Czech Society for Emergency and Disaster Medicine, and in 2013 as a Board Member of the European Resuscitation Council (ERC), firstly as a representative of the National Resuscitation Councils, and since 2016 as a Director Congresses. He was the lead author of the 2015 ERC Guidelines chapter on Cardiac Arrest in Special Circumstances including traumatic cardiac arrest.

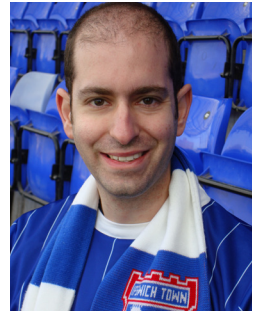


Mark Yazer, MD, PhD

Professor of pathology, University of Pittsburgh, PA, USA, the associate medical director of the Centralized transfusion service in Pittsburgh, PA, USA, Adjunct professor of clinical immunology, University of southern Denmark, Denmark

Dr. Mark Yazer graduated from medical school at the university of Ottawa in 2000 and completed his residency in hematological pathology at the university of alberta in 2004. He is currently a professor of pathology at the university of Pittsburgh, and an associate medical director of the centralized transfusion service in Pittsburgh, one of the largest transfusion services in north

America. He is also an adjunct professor of clinical immunology at the University of Southern Denmark. Dr. Yazer is a Scientific Member of the Clinical Transfusion Studies team in the Biomedical Excellence for Safer Transfusion (BEST) Collaborative. He has published over 170 peer reviewed papers, and is an associate editor of the journal Transfusion medicine and the journal Hematology. He is on the editorial board of 4 other journals. He is the chairman of the AABB's molecular testing standards unit, and the co-chairman of the AABB/THOR working group. He is on the scientific advisory/speakers board of 7 corporations, and he has given more than 200 lectures on his research worldwide, he collaborate with army research. His research interests include patient blood management, blood utilization in trauma, electronic enhancements for patient safety





12th Střešovice Blood Transfusion Day



The event has the character of a postgraduate education and will be guaranteed by The Czech Medical Chamber.

Date of event: November 15th, 2018

Congress Hall - Orea Hotel Pyramida, Bělohorská 24, Prague

The event will be held under the auspices of the COMEDS Chairman and Director of Military Medical Agency Ministry of Defence, BG Zoltán Bubeník, MD and Director of the Military Health Department, Ministry of Defence, Colonel Petr Král, MD



Conference Organisers:

Military University Hospital Prague, Czech Republic

Medical Emergency Service Prague, Czech Republic

Czech Medical Association of J. E. Purkyně - Society for Blood Transfusion

Expert Guarantor:

Col.Miloš Bohoněk, MD, PhD

