

NEW LOOK — SAME GREAT CONFERENCE!

The Long Hot Summer

A Trauma & Emergency Care Conference

 **NORTH** MEMORIAL
HEALTH

March 2 & 3, 2018

Marriott Northwest | Brooklyn Park, MN



North Memorial Health Level 1 Trauma Center

A leader in emergency care for more than 50 years

North Memorial Health Ambulance Service is a leader in providing high-quality, comprehensive ambulance and related services to more than 150 communities across Minnesota and western Wisconsin.

 **NORTH**
MEMORIAL HEALTH

Agenda

Friday | March 2, 2018

- 7:00 a.m. Registration/Breakfast/
Exhibit Areas Open
- 7:45 a.m. Welcome & Introduction
- 8:00 a.m. Opening Session
- 9:30 a.m. Breakout Sessions A
- 10:45 a.m. Breakout Sessions B
- 12:00 p.m. Lunch or Breakout Sessions C
- 1:00 p.m. Lunch or Breakout Sessions D
- 2:15 p.m. Breakout Sessions E
- 3:45 p.m. Closing Session
- 4:45 p.m. Adjourn
- 7:30 p.m. Social Hour/Dance

Saturday | March 3, 2018

- 7:00 a.m. Registration/Breakfast/
Exhibit Areas Open
- 7:45 a.m. Welcome & Introduction
- 8:00 a.m. Opening Session
- 9:30 a.m. Breakout Sessions F
- 10:45 a.m. Breakout Sessions G
- 12:00 p.m. Lunch or Breakout Sessions H
- 1:00 p.m. Lunch or Breakout Sessions I
- 2:15 p.m. Breakout Sessions J
- 3:45 p.m. Closing Session
- 4:45 p.m. Adjourn

Hotel Accommodations



Marriott Northwest
7025 Northland Drive
Brooklyn Park, MN 55428
(763) 536-8300 | (877) 303-1681

North Memorial Health has arranged for a block of rooms at a special rate of \$127.00/night single or double, exclusive of taxes. To make reservations, please call (763) 536-8300 and mention you are with the North Memorial Health Conference "The Long Hot Summer". This rate will be honored until **February 13, 2018** after which reservations will be accepted on a space available basis. Maximum occupancy is four (4) guests per suite.



Get Ready to Party!
The Riverside Hitmen play all your
favorite dance hits from every decade.

Friday, March 2, 2018
7:30—11:30 p.m.

Join us Friday evening for some great music and dancing. Guests of conference attendees are welcome. No cover charge—cash bar.



Grab a friend or colleague
and strike a pose-this photo
booth is fun and free!

Friday, March 2, 2018
7:30—11:30 p.m.



Props and smiles are available.

Amazing Key Note Presentations from National Speakers

If Life Is Worth Saving, It Must Be Worth Living | Steve Berry

Friday, March 2, 2018, 8:00-9:00 a.m.

Humor is a gift we are born with and, used positively, is a source of major stress reduction. It must be nurtured and often times relearned for those working in emergency health care. Our profession attracts some of the most dedicated and compassionate people who at times neglect their own needs. Join us for a message of health and humor.

PTSD: The Silent Journey | Reuben Farnsworth

Friday, March 2, 2018, 3:45-4:45 p.m.

Some therapists place the occurrence of PTSD in field medics as even higher than combat veterans. While our military personnel are being encouraged to seek treatment, EMS still has a stigma regarding mental health. This session will follow a real case study of a paramedic who ran the gauntlet of PTSD and the road he took to recovery.

Excellence in EMS, Shoot for Exceptional and Leave Acceptable Behind | Reuben Farnsworth

Saturday, March 3, 2018, 8:00-9:00 a.m.

Are you settling for less than your best? No more. Let's discuss the importance of exceptional medicine and why it matters. We will talk about how in depth assessments and the constant pursuit of excellence can elevate us as providers. What you do is important, why be an ordinary medic when you can be a RockStar Medic!

The Joy of EMS | Steve Berry

Saturday, March 3, 2018, 3:45-4:45 p.m.

EMS definitely has its ups and downs, and the people who are in EMS are attracted to and stay in it because of the joy we find in doing our work every day. To stay in it for the long haul means we have to find a positive attitude and bring joy to our work. Take a lighthearted look at our occupation, EMS humorist Steve Berry will help remind us to keep it light, have fun and remember some of the simple joys we all find in our service to community.



Trauma Land, USA

Bleeding control is a preventable death!

Do our critical trauma patients succumb to their fatal injuries, or do we not fight to keep them alive? Using data from the Department of Defense, North Memorial Health Trauma Services and the University of Minnesota, you will explore our town called Trauma Land.

This session will focus on how EMS Providers must create a renewed sense of urgency with time critical procedures. Using high-fidelity simulation, each participant will experience hands-on intervention that will improve your personal ability to work proficiently under extremely stressful conditions!

Welcome to Trauma Land!

Trauma Land skills track

This is Hands-On education:

- Dress accordingly, you will be kneeling, lifting and bending.
- Hemorrhage stations will have simulation with mock blood. You may wish to bring different clothing.

Friday, March 2, 2018

Time	EMR/EMT Track	Critical Care Track	General Track	General Track	Skills Track
7:00 a.m.	Registration / Breakfast / Exhibitor Hall Opens				
7:45 a.m.	Long Hot Summer Welcome — Honor Guard Northland Ballroom				
8:00 a.m.	Opening Session: If Life Is Worth Saving, It Must Be Worth Living — Steve Berry Northland				
9:30 a.m.	A1 Assaults in EMS Bryarlin Johnson  	A2 / B2 POC Testing & EMS: Values & Values (2 Hour Session) Pete Tanghe, MD 	A3 What's your Sign? Medical & Trauma Assessment Signs for EMS Reuben Farnsworth  	A4 / B4 The Science of Customer Service Shannon Gollnick (2 Hour Session) 	A5 Trauma Land North Memorial Health Staff  
10:45 a.m.	B1 Triad of Death Billie Sell 	Pete Tanghe, MD 	B3 What Do You Mean He's Dead? Steve Berry  		B5 Trauma Land North Memorial Health Staff  
12:00 p.m.	C6 Lunch or Session C (Pick a session or attend Lunch — Lunch is offered also at 1:00 p.m.)				
12:00 p.m.	C1 Environmental Emergencies: Ask the Doctor Pat Lilja, MD  	C2 I'm Shocked! Joseph Farhat, MD  	C3 Old Mac Donald Had a Multi System Trauma Reuben Farnsworth   	C4 Identification of Human Trafficking Shannon Stachowiak & Kristi Jarvis  	Trauma Land CLOSED for Lunch this Session
1:00 p.m.	D6 Lunch or Session D				
1:00 p.m.	D1 Beyond SPICES and Beers Geriatrics in the Field Carrie Fringer  	D2 Sweet & Low: A Pancreatic Dilemma Steve Berry  	D3 Opioids: The Elephant in the Room Kirk Hughes   	D4 Situational Awareness: CO Poisoning Barb Felt & Mark Ebeling  	D5 Trauma Land North Memorial Health Staff  
2:15 p.m.	E1 Code 4...It's All Safe Now...Right? Jeff Larson 	E2 How to Save a Child's Life Dean Potter, MD  	E3 Oxygen: Not the Panacea You Think Reuben Farnsworth 	E4 Plastic Surgery for Trauma Stephanie Peng, MD 	E5 Trauma Land North Memorial Health Staff  
3:45 p.m.	Closing Session: PTSD: The Long Journey—Reuben Farnsworth Northland				
4:45 p.m.	Adjourn				
7:30 p.m.	Dance to the music of The Riverside Hitmen Northland				



Per your requests, we have added:

- Exhibitors both days
- Repeated lunch sessions
- Brought back the Hemorrhage lab

Saturday, March 3, 2018

Time	EMR/EMT Track	Critical Care Track	General Track	General Track	Skills Track
7:00 a.m.	Registration / Breakfast / Exhibitor Hall Opens				
7:45 a.m.	Welcome & Introduction Northland Ballroom				
8:00 a.m.	Opening Session: Excellence in EMS: Shoot for Exceptional and Leave Acceptable Behind Reuben Farnsworth Northland				
9:30 a.m.	F1 EMS & Sports Medicine: Traumatic Sports Injuries Chris Thein Steve Marti 	F2 Stroke Care in 2018 Irfan Altafullah, MD 	F3 Aging Gracefully in EMS Steve Berry 	F4 Trauma Case Studies Sarah Storrs, MD 	F5 Trauma Land North Memorial Health Staff  * 
10:45 a.m.	G1 Diapers to Drivers Licenses Tom Schwartz 	G2 Chest Pain & Elevated Troponin Brandi Witt, MD 	G3 Injury to Outcome: Case Studies Pat Lilja, MD & Patty Reicks 	G4 For The Love of All That Is Holy Reuben Farnsworth 	G5 Trauma Land North Memorial Health Staff  * 
12:00 p.m.	H1 Environmental Emergencies: Ask the Doctor Pat Lilja, MD  * 	H2 Sweet & Low: A Pancreatic Dilemma Steve Berry  *	H3 Recognizing/ Responding to Children & Teens with Mental Health Disorders Deborah Cavitt  	H4 Situational Awareness: CO Poisoning Barb Felt Mark Ebeling  *	Trauma Land CLOSED for Lunch this Session
12:00 p.m.	I6 Lunch or Session I (Pick a session or attend Lunch — Lunch is offered also at 1:00 p.m.)				
1:00 p.m.	I1 Beyond SPICES and Beers Geriatrics in the Field Carrie Fringer  * 	I2 What's New with Sepsis? Sarah Pangarakis 	I3 Opioids: The Elephant in the Room Kirk Hughes  * 	I4 Old Mac Donald Had a Multi System Trauma Reuben Farnsworth  *	I5 Trauma Land North Memorial Health Staff  * 
1:00 p.m.	J6 Lunch or Session J				
2:15 p.m.	J1 Intentional Interaction with Those We Serve Scott Johnson  	J2 Rethinking RSI Michael Perlmutter 	J3 Returning to Work After A Traumatic Event Barb Felt  	J4 EMS & Sports Medicine: From the Neck Up Chris Thein Steve Marti 	J5 Trauma Land North Memorial Health Staff  * 
3:45 p.m.	Closing Session: The Joy of EMS Northland				
4:45 p.m.	Adjourn				



Medical



Operations



Pediatrics



Trauma



Pharmacology



Behavioral



POST



Course is repeated

Session Descriptions

Friday, March 2, 2018

OPENING SESSION: If Life Is Worth Saving, It Must Be Worth Living — Steve Berry

A1 — Assaults In EMS, Bryarlin Johnson. Discuss assaults towards EMS and First Responders, how we protect ourselves, how we change things moving forward. Reporting, self defense tactics and mental well being.

A2/B2 — POC Testing & EMS: Values & Values, Pete Tanghe. Discuss options of point of care testing beyond glucose, end tidal monitoring / sao2 monitoring. Setting up non-waived testing, applications, training and ongoing use. Go in depth with important critical lab values, affects and treatment options to address common lab abnormalities. (2 hour session)

A3 — What's Your Sign? Medical & Trauma Assessment Signs For EMS, Reuben Farnsworth. This presentation will cover a myriad of common signs, what to look for, how to test for them, and what they mean. If you have ever stuck your Babinski sign in your mouth, you know what a pain in the Grey-Turner sign that can be. Let's take a minute to talk about all the Cullen's, Battle's and Kernigs in the group.

A4/B4 — The Science of Customer Service, Shannon Gollnick. (2 hour session) The customer is not always right...and it's okay to say that. This lecture defines what customer service means in EMS, why it matters, and how to practically apply it.

A5 — Trauma Land, USA, NMH Staff & U of M Simulation Lab. Hemorrhage Control Skills Session. Wound packing and other means to control hemorrhaging will be demonstrated. Attendees will participate in this hands-on skill station.

B1 — Triad of Death, Billie Sell. An in depth evidence based look into the trauma triad of death and how we are affecting our patients in a negative way with our treatment.

B3 — What Do You Mean He's Dead? Steve Berry. The patient is dead and the family members are now filled with a wide range of reactions and emotions. The death scene is perhaps one of the most difficult calls you will face. This course will help you provide a valuable service for grieving people while enhancing your own perception of success in a situation where we often only feel failure.

B5 — Trauma Land, USA, NMH Staff & U of M Simulation Lab. Hemorrhage Control Skills Session. Wound packing and other means to control hemorrhaging will be demonstrated. Attendees will participate in this hands-on skill station.

C1 — Environmental Emergencies: Ask the Doctor, Pat Lilja. Presentation and open discussion about pre-hospital care, current issues and recent research.

C2 — I'm Shocked, Joseph Farhat. Review the definition of shock and its physiologic consequences. Discuss the latest evidence-based treatments for patients in various types of shock.

C3 — Old Mac Donald Had A Multi-Systems Trauma: Farm Trauma—What You Need to Know, Reuben Farnsworth. From PTO shafts, to Brahma bulls, let's delve into the many unique injuries and mechanisms of injury that occur on the farm and ranch.

C4 — Identification of Human Trafficking and Sexual Exploitation, Shannon Stachowiak & Kristi Jarvis. How to recognize the red flags of human trafficking and identifying patients who are most vulnerable to exploitation. Understand the responsibilities of emergency staff and learn about what resources are available for victims.

D1 — Beyond SPICES & Beers: Geriatrics in the Field, Carrie Fringer. Explore atypical presentations of geriatric patients, review common geriatric syndromes and enhance your knowledge on the emergency management of this unique population.

D2 — Sweet & Low: A Pancreatic Dilemma of Systemic Proportions, Steve Berry. Many of our diabetic patients become regulars. With an estimated 50% of Americans diagnosed with diabetes or pre-diabetes, the long-term progressive complications of diabetes, along with the methods of helping diabetic patients practice responsible self-health care will be explored.

D3 — Opioids: The Elephant in the Room, Kirk Hughes. Identify the opioid problem locally and nationally from an emergency medicine and EMS standpoint. All opioids from prescription, illicit, illegal and novel will be discussed. Clinical effects, antidotes and basic pharmacokinetics.

D4 — Situational Awareness: CO Poisoning, Barb Felt & Mark Ebelling. Personal experience of 3 Perham EMS providers who were called to the home of a patient down, unknown if he was breathing. In the end, the "Silent Killer" overcomes 8 providers, with 4 patients flown to HCMC and the rest cared for at the local hospital.

D5 — Trauma Land, USA, NMH Staff & U of M Simulation Lab. Hemorrhage Control Skills Session. Wound packing and other means to control hemorrhaging will be demonstrated. Attendees will participate in this hands-on skill station.

E1 — Code 4...It's All Safe Now...Right? Jeff Larson. How to manage patients when law enforcement has cleared the scene, or is not available. Improve your chances of going home safely after EVERY shift.

E2 — How to Save a Child's Life, D. Dean Potter. This presentation will discuss common pediatric injuries through recent cases managed at North Memorial Health's Level 2 Pediatric Trauma Center. Rapid assessment of shock and it's management in children.

E3 — Oxygen: Why It May Not Be The Panacea You Think, Reuben Farnsworth. For years, the theory on oxygen has been, "If a little is good, more is better". New research is showing us that this may not be accurate. We will examine some of the latest science on oxygen administration and the pathology of oxygen toxicity and the ensuing effects on the body.

E4 — Plastic Surgery for Trauma, Stephanie Peng. Restoring function and form to the injured patient and identify common patterns of injury.

E5 — Trauma Land, USA, NMH Staff & U of M Simulation Lab. Hemorrhage Control Skills Session. Wound packing and other means to control hemorrhaging will be demonstrated. Attendees will participate in this hands-on skill station.

CLOSING SESSION: PTSD: The Silent Journey — Reuben Farnsworth

"I have been a volunteer EMT for 22 years and I still learn something new in every session I attend"

Brad Ringnell, Ambulance Director, Sherburn, MN

Session Descriptions

Saturday, March 3, 2018

OPENING SESSION: Excellence in EMS: Shoot for Exceptional and Leave Acceptable Behind — Reuben Farnsworth

F1 — EMS & Sports Medicine: Traumatic Sports Injuries, Chris Thein & Steve Marti. Cover the range of sports medicine injuries, the mechanism of injury, initial assessment and EMS involvement.

F2 — Stroke Care in 2018, Irfan Altafullah. Review the signs & symptoms of large vessel occlusion (LVO), treatment and pre-hospital assessment scales used, and the importance of rapid care by EMS.

F3 — Aging Gracefully In EMS, Steve Berry. A humorous journey through life's ups and downs as we grow older in EMS. Techniques to stay healthy in this unforgiving profession of pre-hospital care will be explored along with a deeper appreciation for the needs of our elderly population.

F4 — Trauma Case Studies, Sarah Storrs. Discuss several interesting trauma cases and discuss important aspects of trauma care.

F5 — Trauma Land, USA, NMH Staff & U of M Simulation Lab. Hemorrhage Control Skills Session. Wound packing and other means to control hemorrhaging will be demonstrated. Attendees will participate in this hands-on skill station.

G1 — Diapers to Drivers License, Thomas Schwartz. This session will cover the different developmental stages of children, their common emergencies and techniques for a successful assessment.

G2 — Chest Pain & Elevated Troponin, Brandi Witt. This talk will discuss the presentation of various causes of chest pain and how ECG and troponin can aid in diagnosis.

G3 — Injury to Outcome: Case Studies, Pat Lilja & Patty Reicks. Walk through trauma cases from point of injury to outcome. These cases will present key assessment, evaluation & critical thinking points that contribute to optimal outcomes for trauma patients.

G4 — For The Love of All That is Holy: Adapting to Your Patients' Religious Beliefs, Reuben Farnsworth. There are a myriad of religions that you may encounter in EMS. Let's talk about ways to accommodate these beliefs and improve your patient care through a better understanding of how your patient's religious beliefs affect your care plan.

G5 — Trauma Land, USA, NMH Staff & U of M Simulation Lab. Hemorrhage Control Skills Session. Wound packing and other means to control hemorrhaging will be demonstrated. Attendees will participate in this hands-on skill station.

H1 — Environmental Emergencies: Ask the Doctor, Pat Lilja. Presentation and open discussion about pre-hospital care, current issues and recent research.

H2 — Sweet & Low: A Pancreatic Dilemma of Systemic Proportions, Steve Berry. Many of our diabetic patients become regulars. With an estimated 50% of Americans diagnosed with diabetes or pre-diabetes, the long-term progressive complications of diabetes, along with the methods of helping diabetic patients practice responsible self-health care will be explored.

H3 — Recognizing & Responding to Children & Teens with Mental Health Disorders, Deborah Cavitt. Awareness of the impact of significant emotional trauma and distress will help medical personnel provide support during a crisis or know when to refer caregivers to seek assessment from a mental health professional.

H4 — Situational Awareness: CO Poisoning, Barb Felt & Mark Ebelling. Personal experience of 3 Perham EMS providers who were called to the home of a patient down, unknown if he was breathing. In the end, the "Silent Killer" overcomes 8 providers, with 4 patients flown to HCMC and the rest cared for at the local hospital.

I1 — Beyond SPICES & Beers: Geriatrics in the Field, Carrie Fringer. Explore atypical presentations of geriatric patients, review common geriatric syndromes and enhance your knowledge on the emergency management of this unique population.

I2 — What's New With Sepsis? Sarah Pangarakis. This session will review the evolution of sepsis management according to the published guidelines from 1991-2016. Emerging evidence and innovative strategies for recognition and management will be discussed.

I3 — Opioids: The Elephant in the Room, Kirk Hughes. Identify the opioid problem locally and nationally from an emergency medicine and EMS standpoint. All opioids from prescription, illicit, illegal and novel will be discussed. Clinical effects, antidotes and basic pharmacokinetics.

I4 — Old Mac Donald Had A Multi-Systems Trauma: Farm Trauma—What You Need to Know, Reuben Farnsworth. From PTO shafts, to Brahma bulls, let's delve into the many unique injuries and mechanisms of injury that occur on the farm and ranch.

I5 — Trauma Land, USA, NMH Staff & U of M Simulation Lab. Hemorrhage Control Skills Session. Wound packing and other means to control hemorrhaging will be demonstrated. Attendees will participate in this hands-on skill station.

J1 — Intentional Interactions with Those We Serve, Scott Johnson. "The intent of our interactions sets the stage for Customer Experience." Learn how controlling service touch points with on and off duty behaviors can improve customer service.

J2 — Rethinking RSI, Michael Perlmutter. Resuscitation Sequence Intubation: How to resuscitate before you intubate and save lives doing it.

J3 — Returning to Work After a Traumatic Event, Barb Felt. Dealing with a traumatic event and ways to help you return to work with a clearer mind. What to expect and how to assist your co-workers if they are having a hard time dealing with a difficult situation.

J4 — EMS & Sports Medicine: From the Neck Up, Chris Thein & Steve Marti. Discuss traumatic brain injury and concussion management protocol. Cervical Spine injuries, spinal immobilization protocol and transfer.

J5 — Trauma Land, USA, NMH Staff & U of M Simulation Lab. Hemorrhage Control Skills Session. Wound packing and other means to control hemorrhaging will be demonstrated. Attendees will participate in this hands-on skill station.

CLOSING SESSION: The Joy of EMS — Steve Berry.



Meet the Speakers

“Engaging speakers! Never bored! It’s hard to choose between sessions, they are all so relevant and interesting.” Jacky Norton, RN, Forest Lake

Irfan Altafullah, MD: Medical Director Comprehensive Stroke Center at North Memorial Health. He is board certified Neurologist, an active member of the American Academy of Neurology and the American Heart and Stroke Association.

Steve Berry, Paramedic: EMS & Paramedic Educator for Southwest Teller County EMS, Cripple Creek, CO. Board Member for Journal of Emergency Medical Services, and author of 10 illustrated books known collectively as I Am Not An Ambulance Driver.

Deborah Cavitt: Project Director for the Minnesota Association for Children’s Mental Health. She has a Master’s Degree in Human Service with Substance Abuse and Mental Health counseling certifications and has worked many years as a presenter, educator and advocate for families of children with mental health disorders.

Mark Ebeling, Paramedic: Director of EMS for Perham Area EMS, Assistant Chief for local fire department, part-time Peace Officer with local Police department. 24 years service with Perham Area EMS.

Joseph Farhat, MD: He is currently a trauma and acute care surgeon at North Memorial Health Hospital and is the Medical Director of the Trauma-Neuro ICU. He completed his general surgical residency at Henry Ford Hospital in Detroit and his surgical critical care fellowship at the University of Minnesota.

Rueben Farnsworth, NRP: Critical Care Paramedic and Education Coordinator with Delta County Ambulance District in Colorado. 28 years of volunteer and career EMS service, now a national speaker.

Barb Felt, EMT: Training Coordinator for Perham Area EMS, Member of the MN Educators Committee, Rural EMS Sustainability Committee, NAEMSE and Ottertail Safe Community Coalition and many others.

Carrie Fringer, DNP, APRN, AGCNS-BC, CEN: A Med-Surg CNS at North Memorial Health. Special interests include trauma, violence prevention, evidence-based practice, patient safety and working with under-served populations.

Shannon Gollnick, MSM, NRP: Director Metro Ambulance Operations at North Memorial Health. He has 20 years of experience in EMS. After 10 years as a professional firefighter/paramedic, he retired to pursue a career in EMS Management where he has spent another 10+ years managing high performance EMS systems in Indiana, Michigan, and Minnesota.

Kirk Hughes, RN: Education Director & Poison Specialist at Minnesota Poison Control Center. An EMT & Firefighter for 24 years, an investigator for the Hennepin Medical Examiner’s Office and is published in various medical journals including The Journal Clinical Toxicology.

Kristi Jarvis, BS, RN: Program Coordinator at the Sexual Assault Resource Service providing medical and forensic exam services in Rice, Dakota and Hennepin counties. Kristi is certified as a Sexual Assault Nurse Examiner in adults, adolescents and pediatrics.

Bryarlin Johnson, NRP: A paramedic for North Memorial Health Ambulance in the Metro Region for 10 years.

Scott Johnson, NRP: Manager North Memorial Health Ambulance Douglas County. Scott has 25 years of EMS experience. He is a Customer Service Initiative Leader for North Memorial Health.

Jeff Larson ‘Lars’, Paramedic: Has been in EMS since 1988, the last 22 years with North Memorial Health. He was a Tactical Paramedic with Anoka County SWAT for 19 years. He has been teaching scene safety ideas and techniques for the past 5 years.

G. Patrick Lilja, MD: Medical Director for North Memorial Health Ambulance Service & Air Care. He has over 40 years of experience in EMS and is a pivotal leader and champion of emergency services in Minnesota.

Steve Marti: Athletic Trainer at Institute for Athletic Medicine and fire-fighter for Plymouth Fire Department.

Sarah Pangarakis, MS, APRN, CCNS, CCRN: CCNS at North Memorial Health, she has presented nationally & locally and published on clinical topics such as sepsis, End Tidal CO2 and evidence based practice.

Stephanie Peng, MD: Plastic surgeon North Memorial Health. Specially trained in microsurgical free flap techniques, reconstruction of wounds related to trauma as well as cancer.

Michael Perlmutter, Paramedic: Critical Care & Flight Paramedic with North Memorial Health. Clinical and research interests include advanced airway management, sepsis, developing and improving pre-hospital systems of care.

D. Dean Potter, MD: Pediatric surgeon and Pediatric Trauma Medical Director at North Memorial Health. Enjoys interactive sessions with healthcare providers and welcomes your questions during his presentation.

Patty Reicks, RN, BSN, CCRN-K, CNRN, TCRN: Manager Trauma and Emergency General Surgery North Memorial Health Hospital. Patty has been with the Trauma Program since 1999. She is the current Performance Improvement Specialist for the Minnesota Metro Regional Trauma Advisor Committee.

Tom Schwartz, AEMT: EMS Educator at North Memorial Health Professional Education, Special Deputy with Hennepin County Sheriff’s Office for 16 years.

Billie Sell, NRP, FP-C: A 15-year veteran in EMS, currently working for North Memorial Health-Air Care. Billie is also adjunct faculty for the paramedic program at South Central College in North Mankato.

Shannon Stachowiak RN, BSN: A registered nurse for 13 years in the ICU and ER. Certified as a Sexual Assault Nurse Examiner (SANE) for adults and adolescents, she is part of 2 county wide teams that focus on victims of violence.

Sarah Storrs, MD: Trauma and Critical Care Surgeon at North Memorial Health since July of 2014.

Pete Tanghe, MD: Board certified in Emergency Medicine, works clinically at North Memorial Health Emergency Departments and is the Medical Director for the NMH Community Paramedic Program. Prior to becoming a physician, he worked as an EMT in a variety of rural and urban settings.

Chris Thein, MS, ATC, NREMT: Staff Athletic Trainer at Fairview Rehab Services Institute for Athletic Medicine, and Head Athletic Trainer at Wayzata High School.

Brandi Witt, MD: Cardiologist with the North Memorial Heart & Vascular Clinic. She graduated from Gustavus Adolphus College. Graduated medical school at the U of M, and did her internal medicine residency and cardiology fellowship at Mayo.

Looking for more education?

The North Memorial Health EMS & Professional Education Team has just what you need!

North Memorial Health EMS & Professional Education has been providing emergency & professional education to physicians, nurses, paramedics, EMTs, EMRs and members of the community for over 40 years.

Our instructors are AHA certified and teach the most current guidelines.

Our programs meet the standards set forth by the Minnesota EMSRB, the Minnesota Board of Nursing and the National Registry of Emergency Medical Technicians.

For more information visit our course catalog at:

<https://reg127.imperisoft.com/NorthMemorial/Search/Registration.aspx>
or call (763) 581-2450.



Teamwork

A combined action of a group of people, acting together in the interest of a common cause.

Your partner for sky-high service

Thank you for all that you do for the communities you serve.
We are proud to be your partner.



To schedule your Landing Zone (LZ) Training or for more information on our program contact:

Rob Pearson, NRP
Community Representative
(763) 581-9929
Rob.pearson@northmemorial.com

NORTH
MEMORIAL HEALTH

AIR CARE

24 HOUR DISPATCH: 1-800-247-0229 • northmemorial.com

Registration Information

How to register:

Register on line, by fax, or mail! We can serve you much faster and more efficiently if you register in one of these three ways.

On-line: <https://reg127.imperisoft.com/NorthMemorial/ProgramDetail/3231353734/Registration.aspx>

Fax: (763) 581.2472

Mail: North Memorial EMS & Professional Education
Attn: LHS
3435 W Broadway, Suite 1801
Robbinsdale, MN 55422

Registration fees:

\$249.00—2 Day Conference Fee Friday, March 2 and Saturday, March 3

Includes both days, 12 hours of education (both EMS and nursing approved) lunch on Friday and Saturday, Friday social hour & dance, conference t-shirt, conference binder/pen/lanyard and refreshment breaks throughout both days.

\$189.00—1 Day Conference Fee Friday, March 2 only

Includes 6 hours of education, lunch on Friday, social hour and dance, conference t-shirt, conference binder/pen/lanyard and refreshment breaks.

\$189.00—1 Day Conference Fee Saturday March 3 only

Includes 6 hours of education, lunch on Saturday, conference t-shirt, conference binder/pen/lanyard and refreshment breaks.

NMH employee registration fees:

\$175.00—2 Day Conference Fee Friday, March 2 and Saturday, March 3

Includes all aforementioned perks.

\$133.00—1 Day Conference Fee Friday, March 2 only

Includes all aforementioned perks.

\$133.00—1 Day Conference Fee Saturday March 3 only

Includes all aforementioned perks.

Exhibitors & vendors:

Are you interested in having a booth at the conference?

Contact Karmel Hotvedt at
karmel.hotvedt@northmemorial.com or (763) 581-2456.

Exhibit with us and attend the conference!

All Exhibitor packages include one complimentary conference registration for your representative.

Cancellations:

Cancellations must be made by e-mail or in writing.

Refunds will NOT be issued after February 13, 2018.

There are no refunds for 'no shows' or inclement weather. Substitutions will be accepted if prior approval is arranged through the EMS & Professional Education office before March 1, 2018 at noon.

Registration deadlines:

- Registrations received after February 23 must include an additional \$50.
- Registrations that are to be billed to facilities must be made prior to February 23 to allow time for us to process billing.
- Registrations will close at 12:01 a.m. on March 1, 2018.
- The EMS & Professional Education Office will close at noon on March 1, so staff can prepare for the conference.
- Walk-In Registrations will be accepted at the door on Friday and Saturday for an additional \$65.00.

Confirmations:

Conference registrations will be sent electronically.

If you do not receive confirmation of your registration within 30 days, please contact us at ems.education@northmemorial.com.

Disclaimer:

Conference presenters and presentations are subject to change without notice. If possible we will make every effort to notify you prior to the conference of any changes.



Continuing education credit:

- This program has been designed to meet continuing education requirements for all levels of pre-hospital providers based on guidelines by the National Registry of Emergency Medical Technicians and the Minnesota EMS Regulatory Board.
- This program also meets the Minnesota Board of Nursing guidelines for continuing education. It is the responsibility of the individual to determine if the program meets the Minnesota Board of Nursing criteria.
- Specific sessions are POST (Police Officer Safety Training) approved. You must sign in at the door of each POST approved course.

Special needs or services:

If you have special needs or services identified with the Americans With Disabilities Act, please contact North Memorial Health Professional Education prior to the program at (763) 581-2450.

Registration Form — LHS 2018

This form must be completed in full and be postmarked by February 23, 2018

PLEASE PRINT ALL INFORMATION INCLUDING YOUR LEGAL NAME FOR RECORDS.

First Name _____ Last Name _____

Home Phone _____ Cell or Work Phone _____

Address _____ City _____ State _____ Zip _____

E-mail Address _____

Employer _____

Job Title _____

☐ EMR ☐ EMT ☐ Police Officer ☐ Fire Fighter ☐ Paramedic ☐ Nurse ☐ Other _____

BREAKOUT SESSIONS

Friday, March 2, 2018

- ☐ **A1** Assaults In EMS
- ☐ **A2/B2** POC Testing & EMS: Values & Values (2 hour)
- ☐ **A3** What's Your Sign?
- ☐ **A4/B4** The Science of Customer Service (2 hour)
- ☐ **A5** Trauma Land, USA
- ☐ **B1** Triad of Death
- ☐ **B3** What Do You Mean He's Dead?
- ☐ **B5** Trauma Land, USA
- ☐ **C1** Environmental Emergencies: Ask the Doctor
- ☐ **C2** Shock & Sepsis
- ☐ **C3** Old Mac Donald Had A Multisystem Trauma
- ☐ **C4** Identification of Human Trafficking
- ☐ **C6** Lunch
- ☐ **D1** Beyond SPICES and Beers
- ☐ **D2** Sweet & Low: A Pancreatic Dilemma
- ☐ **D3** Opioids: The Elephant in the Room
- ☐ **D4** Situational Awareness: CO Poisoning
- ☐ **D5** Trauma Land, USA
- ☐ **D6** Lunch
- ☐ **E1** Code 4...All Clear Now...Right?
- ☐ **E2** How to Save A Child's Life
- ☐ **E3** Oxygen: May Not Be The Panacea You Think
- ☐ **E4** Plastic Surgery for Trauma
- ☐ **E5** Trauma Land, USA

Saturday, March 3, 2018

- ☐ **F1** EMS & Sports Medicine: Traumatic Injuries
- ☐ **F2** Stroke Care in 2018
- ☐ **F3** Aging Gracefully In EMS
- ☐ **F4** Trauma Case Studies
- ☐ **F5** Trauma Land, USA
- ☐ **G1** Diapers to Drivers Licenses
- ☐ **G2** Chest Pain & Elevated Troponin
- ☐ **G3** Injury to Outcome: Case studies
- ☐ **G4** For The Love of All That Is Holy
- ☐ **G5** Trauma Land, USA
- ☐ **H1** Environmental Emergencies: Ask the Doctor
- ☐ **H2** Sweet & Low: A Pancreatic Dilemma
- ☐ **H3** Responding to Children & Teens with Mental Health Disorders
- ☐ **H4** Situational Awareness: CO Poisoning
- ☐ **H6** Lunch
- ☐ **I1** Beyond SPICES and Beers
- ☐ **I2** What's New with Sepsis?
- ☐ **I3** Opioids: The Elephant in the Room
- ☐ **I4** Old Mac Donald Had A Multisystem Trauma
- ☐ **I5** Trauma Land, USA
- ☐ **I6** Lunch
- ☐ **J1** Intentional Interaction with Those We Serve
- ☐ **J2** Rethinking RSI
- ☐ **J3** Returning to Work After a Traumatic Event
- ☐ **J4** EMS & Sports Medicine: From the Neck Up
- ☐ **J5** Trauma Land, USA

Payment Method

- ☐ Check (North Memorial EMS & Professional Ed)
- ☐ Money Order
- ☐ Credit Card

Expiration Date _____ Security Code _____

Account # _____

Registration fee

2 Day , March 2 & 3	\$249.00	NMH fee	\$175.00
1 Day , March 2 only	\$189.00		\$133.00
1 Day , March 3 only	\$189.00		\$133.00
After 2/23/18 add	\$50.00		\$50.00

TOTAL \$ _____ \$ _____

Fax to: 763.581.2472

Mail to: 3435 W Broadway, Suite 1801, Robbinsdale, MN 55422

NMH Employee #: _____

Cost Center #: _____

North Memorial Health
EMS & Professional Education
3435 West Broadway, Suite 1801
Robbinsdale MN 55422

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March 2 & 3, 2018

The Long Hot Summer

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