SUNDAY, JUNE 2

12:00 - 5:00  Registration

1:30 - 4:30  Pre-Conference: Mechanistic Studies into the Prevention and Treatment of NEC
Facilitated by: Steven McElroy, MD; Agostino Pierra, MD; and Akhil Maheshwari, MD
With presentations from: Christopher Gayer, MD, PhD; Catherine Hunter, MD; Camilla Martin, MD; Isabelle De Plaen, MD; Misty Good, MD, MS; Mark Underwood, MD; Matthew Ralls, MD; Doug Burrin, PhD; Venkatesh Sampath, MBBS, MRCPCH

4:30 - 4:45  Podium presentation for select abstract
4:45 - 5:00  Podium presentation for select abstract

5:00 - 5:30  Break / Registration / Exhibits / Refreshments

5:30  Welcome address by Anne Trontell, MD, MPH
Associate Director
Clinical Effectiveness and Decision Science
Patient-Centered Outcomes Research Institute (PCORI)

5:45 - 7:00  Networking

Spotlight:
Pre-conference Session
Sunday afternoon’s session will allow an in-depth look at advances in basic science related to NEC.

MONDAY, JUNE 3

7:00 - 7:45  Registration and continental breakfast

7:45 - 8:00  Welcome remarks
Jennifer Canvasser, MSW; Samir Gadepalli, MD, MBA

8:00 - 9:00  NEC: Recent Breakthroughs and Promising Directions
Facilitator: Mark Underwood, MD

9:00 - 10:00  Disparities in the Care of Fragile Infants and Opportunities to Overcome Them
Facilitators: Jochen Profil, MD, MPh; Krista Sigurdson, PhD
Patient-Family Representative: Lelis Vernon

10:00 - 10:30  Break

10:30 - 11:30  Defining NEC: Using Patient-Family Driven Outcome Measures
Facilitators: Michael Caplan, MD; Ravi Patel, MD, MSc
Patient-Family Representative: Simone Rosito, MA

11:30 - 12:30  Diagnosing NEC: Diagnostic Criteria, Proposed Changes, and Emerging Diagnostic Tools
Facilitators: Jae Kim, MD, PhD; Karl Sylvester, MD
Patient-Family Representative: Cristal Grogan

12:30 - 1:30  Lunch (networking)

1:30 - 2:30  Risks and Benefits of Probiotic Use in Fragile Infants
Facilitators: Ravi Patel, MD; Joe Kim, MD, PhD;
with moderating by Mark Underwood, MD
Patient-Family Perspective: Erin Umbarger, M. Arch

2:30 - 3:30  New Directions in NEC with Early Investigators Committed to Bridging the Translation Gap from Bench to Bedside
Facilitators: Misty Good, MD, MS; Colin Martin, MD; Troy Markey, MD; Hala Chaabab, MD;
with moderating by David J. Hackam, MD, PhD, FACS
Patient-Family Representative: Ryan Raab, PE

3:30 - 3:45  Break

3:45 - 4:45  Empowering Families and Driving Patient-Centered Outcomes Research
Facilitators: Heather Denchik, RN, BSN; Noah Canvasser, MD; Linseigh Green;
with moderating by Mark Underwood, MD

4:45 - 5:45  Evaluating Strategies to Increase the Use of Mothers Own Milk in the NICU
Facilitators: Aloka Patel, MD; Paula Meier, PhD, RN
Patient-Family Perspective: Jennifer Canvasser, MSW

5:45 - 6:00  Podium presentation for select abstract

7pm  Optional: “Big House” Michigan stadium tour (limited tickets available)
TUESDAY, JUNE 4

7:00 - 8:00  Networking and continental breakfast
8:00 - 9:00  Uniting Providers and Patient-Families Towards NEC Prevention and Improved Outcomes  
Facilitator: Roger Soll, MD

9:00 - 10:00  Promising Novel Therapies for NEC in Preclinical and Clinical Trials  
Facilitators: Gail Besner, MD; Fannon Connolly, PhD  
Patient-Family Representative: Erin Umbarger, M.Arch

10:00 - 10:30  Break

10:30 - 11:30  How Human Milk Protects Against NEC: Breaking Down the Science  
Facilitators: Tarah Colaizy, MD, MPH; Christina Valentine, MD  
Patient-Family Representative: Simone Rosito, MA

11:30 - 12:30  Opportunities for the Federal Government to Help Advance NEC Research  
Facilitators: Gerri Baer, MD; Tanse Raju, MD, DCH  
Patient-Family Representative: Jennifer Canvasser, MSW

12:30 - 1:30  Lunch (networking)

1:30 - 3:00  Workgroups Round 1 (six workgroups, each repeat once)  
Participants will choose to attend two different workgroup sessions, the first at 1:30 and the second at 3:15.

1. NEC Biorepository: A New Tool to Improve Our Understanding of the Disease  
Facilitators: Misty Good, MD, MS; Sunyoung Kim, PhD; Troy Markel, MD; and Matthew Reis, MD  
Patient-Family Representative: Erin Umbarger, M.Arch

2. Innovative Quality Improvement Projects in the NICU  
Facilitators: Miness Khashu, MD, FRCPCH; Robert E. Schumacher, MD; and Rebecca Vartanian, MD  
Patient-Family Representative: Ryan Raab, PE

3. NEC Advocacy and the Prioritization of Resources  
Facilitators: Samir Gopkar, MD, MBA; Alexander Penn, PhD  
Patient-Family Representatives: Heather Tanner, MSA; Heather Denchik, RN, BSN

4. Advancing the Needs of Patient-Families through the NEC Research Collaborative  
Facilitators: Joe Kim, MD, PhD; Ravi Patel, MD, and Anne Trontell, MPH  
Patient-Family Representative: Jennifer Canvasser, MSW

5. Medically Fragile Term Infants with NEC  
Facilitators: Amy Hur, MD; Steven McElroy, MD  
Patient-Family Representative: Simone Rosito, MA

6. Tools to Support Families with NEC Survivors  
Facilitators: Sheila Geheght, RN, PhD; Wakako Eklund, DNP  
Patient-Family Representatives: Cristal Grogan, Lelis Bazuza Vernon, Linseigh Green

3:15 - 4:45  Workgroups Round 2
4:45 - 5:00  Podium presentation for select abstract
5:00 - 6:00  Workgroup reports and proposed next steps
6:00 - 7:30  Poster Session

Spotlight: Workgroups

Workgroups will be interactive, with participants actively engaging with the faculty facilitators to develop PCOR/CER.

Each workgroup should culminate in a patient-family-centered project for the NEC Society Research Collaborative to investigate.

“I met colleagues at this meeting that will stimulate collaborative projects related to NEC research. I was especially pleased and informed by having a multidisciplinary perspective on this disease, it increased my awareness of the obstacles and challenges we face in preventing this disease.”

- 2017 NEC Symposium Attendee
WEDNESDAY, JUNE 5

7:00 - 8:00  Networking and continental breakfast

8:00 - 9:00  International Opportunities to Improve NEC Practices and the Patient-Family Experience
Facilitators: Wakako Eklund, DNP; Minessh Khashu, MD, FRCP; Agostino Pierro, MD; Simone Rostro, MA; with moderating by Steven McElroy, MD

9:00 - 9:15  Podium presentation (for select abstract)

9:15 - 10:15  Adding Fortifier to Human Milk: How to Optimize Safety
Facilitators: Amy Haid, MD; Sarah Taylor, MD, MSCR; with moderating by Jae Kim, MD, PhD
Patient-Family Representative: Cristal Grogan

10:15 - 10:45  Break

10:45 - 11:30  NEC Risk: Early Identification and Risk Stratification
Facilitators: Sheila Gephart, RN, PhD; Karl Sylvester, MD
Patient-Family Representative: Leila Bauda Vernon

11:30 - 12:45  Priorities for Driving PCOR and NEC Prevention
Facilitators: Jennifer Canvasser, MSW; Jae Kim, MD, PhD; Anne Trontell, MD, MPH; Erin Umberger, MArch; Mark Underwood, MD; with moderating by Samir Gadeppali, MD, MBA

12:45 - 1:15  Closing remarks
Samir Gadeppali, MD, MBA;
Jennifer Canvasser, MSW

1:15  Adjourn, take-away lunch

3:00  Tour of C.S. Mott Children’s Hospital (optional)

FACULTY

COURSE CHAIRS
Jennifer Canvasser, MSW
Founder, Director
NEC Society

Samir K. Gadeppali, MD, MBA
Pediatric Surgery and Surgical Critical Care
C.S. Mott Children’s Hospital
University of Michigan, Ann Arbor, MI

Erin Umberger, MArch
Director
NEC Society

PLANNING COMMITTEE

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Professor of Surgery
Chief, Department of Pediatric Surgery
Nationwide Children’s Hospital
Columbus, OH

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Chief Scientific Officer
NorthShore University HealthSystem
Clinical Professor of Pediatrics
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Sheila M. Gephart, RN, PhD
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Robert Wood Johnson Foundation Nurse Faculty Scholar
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Program Director of NICU Intestinal Rehab Team
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Nutrition Director of Supporting Prematurity Infant Nutrition (SPIN) Program
Director of Neonatal-Perinatal Medicine Fellowship
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Department of Microbiology University of Iowa

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Department of Pediatrics
University of California at Davis

Abdul-Karim Yassine
Project Manager
Pediatric Surgery
C.S. Mott Children’s Hospital

The NEC Symposium is certified as a Patients Included meeting.
FACULTY (CONTINUED)

Gerri R. Baer, MD, F.A.A.P.
Medical Officer, Neonatology Team Leader
Office of Pediatric Therapeutics
Office of Medical Products and Tobacco
Office of the Commissioner
U.S. Food and Drug Administration

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Noah Canvasser, MD
Bereaved father

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Mother of NEC survivor
Project Coordinator, NEC Society

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University of Southern California

Linseigh Green
Adult survivor of NEC

Cristal Grogan
Mother of NEC survivor
NIU Helping Hands

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Professor of Surgery, Pediatrics and Cell Biology
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Consultant in Neonatal Medicine

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Stanford University School of Medicine

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Mother of NEC survivor
Project Coordinator, NEC Society

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Medical Director of Respiratory Care
C.S. Mott Children's and Von Voigtländer Women's Hospitals

Lelis Bauzá Vernon
Mother of NEC survivors
The NEC Symposium is made possible through a partnership between the NEC Society and Section of Pediatric Surgery at the University of Michigan, with support from a Patient-Centered Outcomes Research Institute® (PCORI®) Eugene Washington PCORI Engagement Award (Contract #EAIN-10633), and our generous community of supporters.

HIGHLIGHTS

• NEC: Recent Breakthroughs and Promising Directions
• Disparities in the Care of Fragile Infants and Opportunities to Overcome Them
• International Opportunities to Improve NEC Practices and the Patient-Family Experience
• Risks and Benefits of Probiotic Use in Fragile Infants
• Evaluating Strategies to Increase the Use of Mothers Own Milk in the NICU
• Promising Novel Therapies for NEC in Preclinical and Clinical Trials
• Opportunities for the Federal Government to Help Advance NEC Research
• NEC Biorepository

TARGET AUDIENCE

This activity is designed for physicians, scientists, nurse practitioners, physician assistants, nurses, pharmacists, dietitians, lactation consultants, health policy makers, nonprofit leaders, industry, and other diverse stakeholders committed to driving patient-centered outcomes research, comparative effectiveness research, and improving the prevention and treatment of outcomes for infants at risk of necrotizing enterocolitis in fragile infants.

WHY YOU SHOULD ATTEND

The NEC Symposium will convene multidisciplinary stakeholders to fundamentally improve the understanding, prevention, and treatment of NEC. It will support the development of quality improvement projects, novel research, and refined clinical guidelines.

The Symposium will provide opportunities for education, collaboration, and networking for junior and senior providers and investigators. Attendees will be actively engaged throughout the meeting and encouraged to share their diverse expertise and perspectives to help cultivate specific recommendations and standards. Content from the NEC Symposium will be published in Pediatric Research.

CALL FOR ABSTRACTS

Attendees are encouraged to submit abstracts for the Symposium’s poster presentations. Categories are basic science, clinical, and translational. The call for abstracts will open soon. All submissions must be received by March 4th.

For more information and to submit an abstract, visit: http://bit.ly/NECabstracts2019

EDUCATIONAL PURPOSE

Despite significant advances in neonatal care, NEC remains a leading cause of death for neonates, with survivors frequently facing lifelong health challenges. This conference will provide a rare opportunity to have a multidisciplinary conversation about improving NEC outcomes and driving patient-centered outcomes research. It will convene some of the most committed NEC professionals and patient-families from around the world. The Symposium will foster collaboration, develop new strategic lines of research, empower families, and refine protocols to help diagnose, prevent, and treat NEC.

EDUCATIONAL OBJECTIVES

• Summarize recent breakthroughs in NEC basic science research
• Understand current disparities in the care of fragile infants and opportunities to overcome them
• Summarize potential new treatments for NEC
• Understand the need for a refined definition of NEC
• Articulate emerging tools for NEC diagnosis
• Explain the risks and benefits of probiotic use in fragile infants
• Summarize strategies to increase the use of mothers own milk in the NICU
• Describe international practice differences related to NEC
• Identify methods to partner with and empower families in reducing the risks of NEC

The NEC Society supports breastfeeding mothers. Mothers are welcome to breastfeed their child anywhere throughout the conference. A lactation room will be available for mothers who need to pump or prefer privacy.

“One of the best conferences I’ve been to. The ability to convene scientific researchers, families and health care providers is astounding and much appreciated”

- 2017 NEC Symposium Attendee
LOCATION

The NEC Symposium will be held at the Michigan League on the University of Michigan campus. The Michigan League is located in the heart of Ann Arbor, where you can walk to incredible restaurants, unique galleries and independent bookstores.

TRANSPORTATION

Ann Arbor is a 24-mile drive from Detroit Metropolitan Wayne County International Airport (DTW), which has direct flights from around the United States, Canada, Europe, South America and Asia. There are multiple ground transportation options between DTW and Ann Arbor, including private cars, taxis, and shuttles.

LODGING

Rooms have been blocked at the Bell Tower, The Inn at the Michigan League, and Graduate Hotels. Additional lodging information can be found at VisitAnnArbor.org. NEC Symposium participants are encouraged to stay in or near downtown Ann Arbor.

SYLLABUS

The electronic syllabus will be available to pre-registered attendees prior to the conference for downloading and printing. A flash drive containing the syllabus will be distributed at the conference.

ACCREDITATION

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the University of Michigan and the NEC Society. The University of Michigan is accredited by the ACCME to provide continuing medical education for physicians.

CREDIT DESIGNATION

PHYSICIAN CREDIT: The University of Michigan designates this live activity for a maximum of 20.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AMA PRA Category 1 Credits™ acceptable for other health care providers:
NURSE: For the purpose of recertification, the American Nurses Credentialing Center accepts AMA PRA Category 1 Credits™ issued by organizations accredited by the ACCME. Report a maximum of 20.5 hours of credit and fill in “CME Category 1” for the provider number.
PHARMACIST: You may petition the Michigan State Board of Pharmacy for CE credit for this symposium.
PHYSICIAN ASSISTANT: The National Commission on Certification of Physician Assistants (NCCPA) states that AMA PRA Category 1 Credits™ are acceptable for continuing medical education requirements for recertification.

CONFERENCE REGISTRATION

Please register early - space is limited.

Tuition is $375 for physicians and $275 for all others. Fees will increase after April 1st.

Tuition includes welcome reception, continental breakfasts, refreshment breaks, lunches, electronic syllabus, and an online certificate of attendance for those earning CMEs.

Cancellation and Refund Policy: Registration is non-refundable.

For further information contact: Jennifer Canvasser, NEC Society
Jennifer@NECsociety.org

To register for the NEC Symposium, visit https://NECsymposium.eventbrite.com
“The environment of the 2017 NEC meeting was unlike anything I had ever experienced. For the first time in my life, I witnessed hundreds of individuals setting aside the need for personal recognition, titles, and any form of hierarchy to collectively come together in a desperate effort to find the cause of and cure for this tragic disease. It was breathtaking to watch how fervently they worked, how ideas, examples, experiences, and research was freely shared, and how insight from every angle was valued.”

- 2017 NEC Symposium Attendee