PROGRAM AGENDA

NEC SYMPOSIUM FROM PRIORITIES TO ACTION

AUGUST 28-30, 2023 LOEWS CORONADO BAY RESORT SAN DIEGO, CA















Building a world without NEC

The NEC Symposium will bring together hundreds of participants from across the US and around the globe to advance innovative research and quality care practices. Together, we will turn our PRIORITIES into ACTION.

3 LEARNING TRACKS:







RESEARCH

CARE

ADVOCACY

The NEC Society is a 501(c)(3) nonprofit organization dedicated to building a world without necrotizing enterocolitis (NEC) through research, advocacy, and education. The NEC Society brings together patient-families, clinicians, and other diverse stakeholders to better understand, prevent, and treat this devastating disease.

NEONATOLOGISTS ■ NURSES ■ PATIENT-FAMILIES

PEDIATRIC SURGEONS ■ SCIENTISTS ■ CARDIOLOGISTS ■ NEPHROLOGISTS

DIETITIANS ■ INDUSTRY ■ NONPROFITS ■ GASTROENTEROLOGISTS

JOIN US!

TARGET AUDIENCE

We are eager to collaborate with diverse stakeholders who want to help **build a world without NEC**. This includes physicians, scientists, nurse practitioners, nurses, pharmacists, dietitians, nonprofit leaders, industry, and others. Attendees should be interested in understanding necrotizing enterocolitis (NEC); improving NEC diagnosis, prevention and treatment; and partnering with patient-families.

WHY YOU SHOULD ATTEND

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 for multidisciplinary conversations about improving NEC outcomes and driving patient-centered care and research.

The NEC Society recently built a **prioritized** research agenda for the field. The Symposium will convene many of the most committed NEC professionals and patient-families from around the world to turn those **priorities into action**. Paths for novel research, collaboration, and advocacy will be explored. The Symposium will provide attendees with opportunities for **networking**, **engagement**, and **inspiration**.

The NEC Symposium will be an "All-In" meeting, where all stakeholders are fully integrated and empowered. Learn more here.

We have three themed tracks to cover a broad range of topics and meet the needs of our diverse stakeholders. Attendees are encouraged to attend sessions from multiple tracks.



TRACK 1: SCIENCE & RESEARCH

Discover the latest science, including the mechanisms of NEC, new tools to understand NEC, and state-of-the-art research.



Learn about new tools and resources for preventing NEC, optimizing NEC treatment and interventions, and care for long-term NEC complications.



TRACK 3: ADVOCACY & IMPROVEMENT

Explore policies to advance equity, quality care, and collaboration, as well as strategies to advocate for babies, families, and healthcare providers in your unit and community.

#NECSanDiego

Agenda

SUNDAY, AUGUST 27, 2023

4:00 - 5:30pm Welcome reception at Loews Coronado Bay Resort;

Exhibit hall open



7:00 - 8:45am Breakfast

Exhibit hall open

9:00 - 10:15am Transforming Priorities into Action

ACTION

Jennifer Canvasser, MSW- NEC Society PF

Jae Kim, MD, PhD

10:15 - 10:45am Break & light refreshments

10:45 - 12:15pm BREAKOUT SESSIONS:



TRACK 1: SCIENCE & RESEARCH

Breaking down the basic mechanisms of NEC

Hala Chaaban, MD David Hackam, MD, PhD Steven McElroy, MD

Erin Umberger, M.Arch- NEC Society PF

Moderator: Mickey Caplan, MD



TRACK 2: CLINICAL CARE & PRACTICES

The science & power of human milk for NEC reduction

Ifeyinwa Asiodu, RN, PhD Lars Bode, PhD Sarah Taylor, MD Kimberly Novod- Saul's Light PF Moderator: Amy Hair, MD



TRACK 3: ADVOCACY & IMPROVEMENT

Navigating NEC's life-altering complications

Jessica Allen, PhD PF Karen Brand, NP Conrad Cole, MD, MPH, MSc

Simone Rosito PF

Moderator: Samir Gadepalli, MS, MD, MBA





12:15 - 1:45pm

Lunch Exhibit hall open

1:45 - 3:15pm

BREAKOUT SESSIONS:



TRACK 1: SCIENCE & RESEARCH

Podium presentations from early career investigators

Moderator: Jae Kim, MD, PhD



TRACK 2: CLINICAL CARE & PRACTICES

The medical management of NEC

Irfan Ahmad, MD Jenny Quinn, PhD, NNP- NEC Society Marie Spruce- NEC UK **PF** Toby Yanowitz, MD, MS Moderator: Ravi Patel, MD, MSc



TRACK 3: ADVOCACY & IMPROVEMENT

Translating NEC bedside issues into policy action

Mark Del Monte, JD- AAP Adrienne Mcintyre, MS, RNC-NIC, CNS Kimberly Novod- Saul's Light **PF** Shetal Shah, MD Moderator: Susan Hintz, MD, MS Epi

3:15 - 3:45pm Break & light refreshments

3:45 - 5:00pm Advancing rare research, QI, & engagement

Scott Berns- National Institute for Children's Health Quality; The Progeria

Research Foundation

Patricia Burks, MA, RN- Cystic Fibrosis

Foundation

Carly Paterson, PhD, RN, MPH- PCORI

Michele Walsh, MD- National Institute of Child Health & Human

Development

Moderator: Camilia Martin, MD, MS

5:15 - 6:45pm Networking & poster session,

Exhibit hall open

TUESDAY, AUGUST 29, 2023

#NECSanDiego

7:00 - 8:45am Breakfast

Exhibit hall open

9:00 - 10:15am Understanding how NEC affects neurodevelopment

Erika Claud, MD Cristal Grogan PF David Hackam, MD, PhD Susan Hintz, MD, MS Epi Moderator: Jörn-Hendrik Weitkamp, MD

10:15 - 10:45am Break & light refreshments

10:45 - 12:15pm BREAKOUT SESSIONS:



TRACK 1: SCIENCE & RESEARCH

Translating mechanistic insights into novel interventions

Gail Besner, MD, FACS, FAAP Michael Helmrath, MD Agostino Pierro, OBE, MD, FRCS, FAAP Erin Umberger, M.Arch- NEC Society **PF** Moderator: Mickey Caplan, MD



TRACK 2: CLINICAL CARE & PRACTICES

Microbiome, probiotics, & the prevention of NEC

Adam Masin, JD Michael Morowitz, MD, FACS Ravi Patel, MD, MSc Erin Pryor, MPH, RDN, LD- NEC Society PF Staffan Strömberg, PhD Moderator: Mark Underwood, MD



TRACK 3: ADVOCACY & IMPROVEMENT

Lessons from centers working to reduce NEC

Heather Kaplan, MD, MSCE Juan Matute, MD Sarah Taylor, MD, MSCR Lelis Vernon- NEC Society **PF** Moderator: Jochen Profit, MD, MPH

12:15 - 1:45pm Lunch Exhibit hall open



1:45 - 3:15pm BREAKOUT SESSIONS:



TRACK 1: SCIENCE & RESEARCH

Reimagining tools to understand NEC

Misty Good, MD, MS
Necole McRae- NEC Society **PF**Venkatesh Sampath, MBBS, MRCPCH
Karl Sylvester, MD
Moderator: Jae Kim, MD, PhD



TRACK 2: CLINICAL CARE & PRACTICES

Optimizing surgical treatment for NEC

Martin Blakely, MD, MS
Catherine Hunter, MD, FACS, FAAP
Colin Martin, MD, FACS
Marie Spruce- NEC UK PF
Moderator: Cail Bosper, MD, FACS, E/

Moderator: Gail Besner, MD, FACS, FAAP



TRACK 3: ADVOCACY & IMPROVEMENT Strategies to increase funding for NEC research

Patricia Burks, MA, RN- Cystic Fibrosis Fnd. Mark Del Monte, JD- AAP Tricia Johnson, PhD Michele Walsh, MD- National Institute of Child Health & Human Development Moderator: Camilia Martin, MD, MS

3:15 - 3:45pm Break & light refreshments

3:45 - 5:00pm Beyond the gut: Multisystem effects of NEC

Kaitlin L'Italien, MD Elizabeth Rogers, MD Keia Sanderson, MD, MSCR

Erin Umberger, M.Arch- NEC Society **PF** Moderator: Troy Markel, MD, FACS, FAAP

5:00 - 7:00pm Dinner & networking event at

Loews Coronado Bay Resort, Marina Terrace

additional fee of \$50

PF = Patient-Family affected by NEC

"The NEC Symposium has had an enormous impact on my practice, even beyond NEC."
-2019 attendee

WEDNESDAY, AUGUST 30, 2023

7:00 - 8:45am Breakfast

Exhibit hall open

9:00 - 10:15am Outside perspectives on NEC

Mindy Engevik, PhD Scott Magness, PhD

Carly Paterson, PhD, RN, MPH-PCORI

Erin Pryor, MPH, RDN, LD **PF** Moderator: Misty Good, MD, MS

10:15 - 10:45am Break & light refreshments

10:45 - 11:30am From an idea to a cure:

Applying lessons from the Cystic Fibrosis Foundation to the NEC Community

Patricia Burks, MA, RN- Cystic Fibrosis Foundation

11:30 - 12:30pm Advancing the field through advocacy

Mark Del Monte, JD- American Academy of Pediatrics

12:30 - 1:00pm Actionable steps toward a world without NEC

Jennifer Canvasser, MSW-NEC Society PF Jae Kim, MD, PhD

Jae Killi, MD, File

1:00 - 2:00pm Lunch

2:00pm ADJOURN

FROM PRIORITIES TO ACTION

The NEC Society recently led a multidisciplinary team through a two-year project to identify the most **urgent and impactful research topics** for our community. At the Symposium, we will find new avenues to turn these **priorities into action**:

NEC Patient-Centered Research Priorities

TOPIC 1: Development and use of medications or treatments to prevent NEC

TOPIC 2: Optimizing the use of human milk and lactation support for prevention of NEC

TOPIC 3: Tools, such as clinical scoring, biomarkers, or imaging for diagnosis of NEC

TOPIC 4: Acute medical treatment and management of NEC

TOPIC 5: Patient-family engagement, empowerment, and integration into the NICU care-team

TOPIC 6: Long-term gastrointestinal outcomes, including short bowel and other non-neurodevelopmental health outcomes

TOPIC 7: Quality Improvement for NEC

TOPIC 8: Identifying practices that increase NEC risk

TOPIC 9: Long-term non-GI outcomes and fertility

TOPIC 10: Communication amongst the healthcare team and patient-families

TOPIC 11: Proactive approaches to support patient-families with follow-up care and decisions

TOPIC 12: Chronic treatment and recovery of NEC, including subsequent surgeries, intestinal rehabilitation and transplant

TOPIC 13: Educational approaches on NEC for patients and providers

TOPIC 14: Impact of nutritional composition and approaches (enteral and parenteral) on occurrence of NEC

TOPIC 15: Optimizing informed choice and shared-decision making, including ethical issues, in NEC

TOPIC 16: Fortification of human milk

TOPIC 17: Initial surgical treatment of NEC

TOPIC 18: Acute and long-term mental health of patient-families impacted by NEC

TOPIC 19: Financial and social-emotional burdens of NEC for patient-families, healthcare providers, hospitals and society

TOPIC 20: Disparities in NEC incidence and outcomes and inequity in decision-making and access to care and services

More information about the NEC Research Priorites is available <u>here.</u>

FACULTY

COURSE CHAIRS

Jennifer Canvasser, MSW PF

Founder & Executive Director, NEC Society

Jae Kim, MD, PhD

Professor of Pediatrics

Director, Division of Neonatology, Perinatal Institute

Cincinnati Children's Hospital Medical

Center

Erin Umberger, M.Arch PF

Director, NEC Society

PLANNING COMMITTEE

Gail E. Besner, MD, FACS, FAAP

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Professor of Surgery

Chief, Department of Pediatric Surgery

Nationwide Children's Hospital

Mickey Caplan, MD

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Hala Chaaban, MD

Associate Professor of Pediatrics Director of Clinical and Translational Research

Section of Neonatal-Perinatal Medicine Adjunct Associate Professor of Nutritional Sciences

The University of Oklahoma Health Sciences Center at OU Health

Sarah DeLaat, CMP, CTA

Conference & Meeting Planner Continuing Medical Education Cincinnati Children's

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Division Chief, Neonatal-Perinatal Medicine Associate Professor of Pediatrics University of North Carolina at Chapel Hill

Amy Hair, MD

Associate Professor

Program Director of Neonatal Nutrition Co-Director of NICU Intestinal Rehabiliation Team

Director of MCH Neonatal Nutrition Training Program

Division of Neonatology Department of Pediatrics Baylor College of Medicine Texas Children's Hospital

Susan Hintz, MD, MS Epi

Professor – University Medical Line Pediatrics – Neonatal and Developmental Medicine

Stanford Medicine Children's Health

Troy A. Markel, MD, FACS, FAAP

Associate Professor, Department of Surgery Department of Anatomy, Cell Biology, and Physiology

Director of General Surgery Resident Research

Director of Pediatric Surgical Research Riley Hospital for Children Indiana University Health

Camilia R. Martin, MD, MS

Chief of Newborn Medicine
Department of Pediatrics
Cornell Medicine and NewYork-Presbyterian
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Chief, Division of Neonatology Professor, Department of Pediatrics Neonatal-Perinatal Medicine University of California, Davis

Aloka Patel, MD

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Associate Professor of Pediatrics Division of Neonatal and Developmental Medicine

Director, Neonatal Health Systems Research Perinatal Epidemiology and Health Outcomes Research Unit Stanford University, School of Medicine

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Research Coordinator, NEC Society

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Irfan Ahmad, MD

Professor of Clinical Pediatrics

Medical Director, Surgical NICU

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Ifeyinwa Asiodu, RN, PhD

Associate Professor, Family Health Care Nursing, University of California, San Francisco

Scott Berns, MD, MPH, FAAP

National Institute for Children's Health Quality; The Progeria Research Foundation

Martin Blakely, MD, MS

Professor, Pediatric Surgery and Pediatrics Vanderbilt University Medical Center

Lars Bode, PhD

Professor of Pediatrics Endowed Chair of Collaborative Human Milk Research

Director, Mother-Milk-Infant Center of Research Excellence (MOMI CORE) Director, Human Milk Institute (HMI) University of California, San Diego (UCSD)

Karen Brand, NP

Pediatric Palliative Care, UC Davis Medical Center

Patricia Burks, MA, RN

Clinical Trial Affairs Sr. Director, Cystic Fibrosis Foundation

Erika Claud, MD

Professor in the Department of Pediatrics, Section of Neonatology, and the Department of Medicine, Section of Gastroenterology, The University of Chicago

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Medical Director, Division of Gastroenterology, Hepatology and Nutrition Medical Director, Intestinal Rehabilitation Program

Professor, UC Department of Pediatrics

Mark Del Monte, JD

CEO/Executive Vice President of the American Academy of Pediatrics

Mindy Engevik, PhD

Assistant Professor, Regenerative Medicine & Cell Biology, Medical University of South Carolina

Cristal Grogan, BS PF

Associate, Global Marketing at Prolacta Bioscience

David Hackam, MD, PhD

Garrett Family Professor of Pediatric Surgery at The Johns Hopkins University, and Pediatric Surgeon-in-Chief and co-Director of the Johns Hopkins Children's Center

Michael Helmrath, MD

Director of Clinical Translation, Center for Stem Cell & Organoid Medicine (CuSTOM), Director of Surgical Research Director, Center for Bariatric Research and Innovation Pediatric Surgeon Professor, UC Department of Surgery

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Colin Martin, MD, FACS

Division of Pediatric Surgery
Surgical Director, UAB/Children's of
Alabama Center for Advanced Intestinal
Rehabilitation
Co-Director, Pre-College Research
Internship for Students from Minority
Backgrounds (PRISM)
Vice Chair of Diversity, Equity and Inclusion
The University of Alabama at Birmingham

Adam Masin, JD

Partner, Drinker Biddle & Reath LLP NEC Society, Board of Directors

Juan Matute, MD

Neonatologist, Massachusetts General Hospital

Adrienne Mcintyre, MS, RNC-NIC, CNS

Kaiser Permanente Northern California

Necole McRae PF

NEC Society, Patient-Family Advisory Council

Michael Morowitz, MD, FACS

Professor of Surgery, University of Pittsburgh

Kimberly Novod PF

CoFounder, Saul's Light

Carly Paterson, PhD, RN, MPH

Patient-Centered Outcomes Research Institute

Agostino Pierro, OBE, MD, FRCS(Eng.), FRCS(Ed), FAAP

Head of General and Thoracic Surgery at the Hospital for Sick Children, Robert M. Filler Chair, Professor of Surgery at the University of Toronto, and Senior Investigator at The Research Institute, Toronto, Canada

Elizabeth Rogers, MD

Associate Professor, University of California San Francisco

Co-director of the Intensive Care Nursery Follow-Up Program, Benioff Children's Hospital

Simone Rosito PF

CEO & Founder, PGG (Brazil)

Venkatesh Sampath, MBBS, MRCPCH

Sosland Chair in Neonatology Research; Medical Director, Donald Thibeault Lung & Immunology Laboratories Professor of Pediatrics, University of Missouri-Kansas City School of Medicine; Research Associate Professor of Pediatrics, University of Kansas School of Medicine

Keia Sanderson, MD, MSCR

Assistant Professor of Medicine, UNC School of Medicine

Director of Pediatric Dialysis

Shetal Shah, MD

Professor of Pediatrics in the Division of Neonatology at New York Medical College

Marie Spruce PF

Chairperson, NEC UK NEC Society, Patient-Family Advisory Council

Paediatric nurse

Staffan Strömberg, PhD

CEO, Infant Bacterial Therapeutics (IBT)

Karl Sylvester, MD

Professor, Pediatric Surgery, Stanford University

Sarah Taylor, MD, MSCR

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Michele Walsh, MD

Program Officer, NICHD

Jörn-Hendrik Weitkamp, MD

Director of Patient Oriented Research Associate Professor of Pediatrics Vanderbilt Institute for Infection, Immunology and Inflammation

Lelis Vernon PF

NEC Society, Patient-Family Advisory Council

Advisory Board Member - Dep. of Perinatal and Neonatal Medicine Research Lab - Stanford University

Faculty Family Leader – Transitions in Middle Phases of Care - Vermont Oxford Network

Clinical Guidelines Committee - American College of Physicians

Toby Yanowitz, MD, MS

Director, Clinical Research
Associate Professor of Pediatrics and
Clinical and Translational Science
Associate Investigator, Magee-Womens
Research Institute and Foundation
Director, UPMC Newborn Medicine
Database

Analytics Director, Neonatal Neuro-Intensive Care Unit, UPMC Newborn Medicine Program

University of Pittsburgh

BUILDING A WORLD WITHOUT NEC



















LOCATION:

The 2023 NEC Symposium will be held at Loews Coronado Bay Resort, just steps from the beach in beautiful San Diego, CA.

LODGING:

Rooms at Loews Coronado Bay Resort have been blocked at a reduced rate for Symposium attendees; rooms can be booked through the registration webpage. Please reserve early, as rooms are limited.

ATTIRE: Business casual.

ACCREDITATION:

In support of improving patient care, Cincinnati Children's Hospital Medical Center is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team. Specific accreditation information will be provided for each activity.

Cincinnati Children's designates this live activity for a maximum of 14.5 *AMA PRA Category 1 Credit(s)*TM. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

This activity is approved for 14.5 continuing nursing education (CNE) contact hours.

Dietitians: This conference provides credit through Cincinnati Children's accreditation with Joint Accreditation for Interprofessional Continuing Education (JA). The Commission on Dietetic Registration (CDR) accepts credits awarded by JA providers. Credits should be reported with a 1:1 reciprocity up to the total activity maximum of 14.5 hours. Dietitians should claim only the credit commensurate with the extent of their participation in the activity.

This activity was planned by and for the healthcare team, and learners will receive 14.5 Interprofessional Continuing Education (IPCE) credits for learning and change.

REGISTRATION:

Registration fee includes welcome reception, breakfasts, refreshment breaks, and lunches.

Tickets for the networking dinner on Tuesday, August 29 are available for an additional fee of \$50.

EVENT REGISTRATION:		
PHYSICIAN	Before 6/1 \$625	After 6/1 \$825
NON-PHYSICIAN PROFESSIONAL	\$350	\$425

CANCELLATIONS:

Cancellations received prior to June 27, 2023 are fully refundable. Cancellations received between June 28-July 27, 2023 will receive a 50% refund. Cancellations received after July 27, 2023 are not refundable. All refund requests must be made by email to cme@cchmc.org.

For more information, including inquiries from patient-families, please contact Jennifer Canvasser:

Jennifer@NECsociety.org

#NECSanDiego

REGISTER NOW