

PROGRAM
AGENDA

NEC SYMPOSIUM FROM PRIORITIES TO ACTION

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



DOI: 10.37921/085558JOIEBX



Together, we can build a world without NEC. [Join us.](#)



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.



TRACK 2: CLINICAL CARE & PRACTICES

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
Bay Terrace, 1st floor

MONDAY, AUGUST 28, 2023

7:00 - 8:45am Breakfast Bay Terrace, 1st floor
Exhibit hall open
Commodore E, 1st floor

9:00 - 10:15am Transforming Priorities into
Action Commodore, 1st floor
Jennifer Canvasser, MSW- NEC Society **PF**
Jae Kim, MD, PhD

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

10:45 - 12:15pm BREAKOUT SESSIONS:

S TRACK 1: SCIENCE & RESEARCH
Breaking down the basic mechanisms of NEC Commodore, 1st floor

Hala Chaaban, MD
David Hackam, MD, PhD
Steven McElroy, MD
Erin Umberger, MArch- NEC Society **PF**
Moderator: Mickey Caplan, MD

C TRACK 2: CLINICAL CARE & PRACTICES
The science & power of human milk for NEC reduction Britannia/Cambria, 2nd floor
Lars Bode, PhD
Aloka Patel, MD
Sarah Taylor, MD
Kimberly Novod, MPA- Saul's Light **PF**
Moderator: Amy Hair, MD

A TRACK 3: ADVOCACY & IMPROVEMENT
Navigating NEC's life-altering complications Aurora, 2nd floor
Jessica Allen, PhD **PF**
Karen Brand, NP
Conrad Cole, MD, MPH, MSc
Simone Rosito **PF**
Moderator: Samir Gadepalli, MS, MD, MBA

PF = Patient-Family affected by NEC



12:15 - 1:45pm Lunch Bay Terrace, 1st floor
Exhibit hall open
Commodore E, 1st floor



1:45 - 3:15pm BREAKOUT SESSIONS:

S TRACK 1: SCIENCE & RESEARCH
Podium presentations from early career investigators Commodore, 1st floor
Moderator: Jae Kim, MD, PhD (for presenters, see poster session list at end of agenda)

C TRACK 2: CLINICAL CARE & PRACTICES
The medical management of NEC Britannia/Cambria, 2nd floor
Irfan Ahmad, MD
Jenny Quinn, PhD, NNP- NEC Society
Marie Spruce- NEC UK **PF**
Toby Yanowitz, MD, MS
Moderator: Ravi Patel, MD, MSc

A TRACK 3: ADVOCACY & IMPROVEMENT
Translating NEC bedside issues into policy action Aurora, 2nd floor
Mark Del Monte, JD- AAP
Adrienne McIntyre, MS, RNC-NIC, CNS
Kimberly Novod, MPA- 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 disease research, QI, & engagement Commodore
Scott Berns- National Institute for Children's Health Quality; The Progeria Research Foundation
Patricia Burks, MA, RN- Cystic Fibrosis Foundation
Aloka Patel, MD
Carly Paterson, PhD, RN, MPH- PCORI
Moderator: Camilia Martin, MD, MS

5:00 - 6:45pm Networking & poster session, Exhibit hall open Commodore E

7:00 - 8:45am Breakfast [Bay Terrace, 1st floor](#)
Exhibit hall open [Commodore E](#)

9:00 - 10:15am Understanding how NEC affects neurodevelopment*
[Commodore, 1st floor](#)
 Erika Claud, MD
 Cristal Grogan [PF](#)
 David Hackam, MD, PhD
 Susan Hintz, MD, MS Epi
 Moderator: Camilia Martin, MD, MS

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

10:45 - 12:15pm BREAKOUT SESSIONS:

S TRACK 1: SCIENCE & RESEARCH
Translating mechanistic insights into novel interventions [Commodore](#)

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

C TRACK 2: CLINICAL CARE & PRACTICES
Microbiome, probiotics, & the prevention of NEC*

[Britannia/Cambria, 2nd floor](#)
 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

A TRACK 3: ADVOCACY & IMPROVEMENT
Lessons from centers working to reduce NEC [Aurora, 2nd floor](#)

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 [Bay Terrace, 1st floor](#)
Exhibit hall open

1:45 - 3:15pm BREAKOUT SESSIONS:

S TRACK 1: SCIENCE & RESEARCH
Reimagining tools to understand NEC
[Commodore, 1st floor](#)

Misty Good, MD, MS
 Necole McRae- NEC Society [PF](#)
 Venkatesh Sampath, MBBS, MRCPCH
 Karl Sylvester, MD
 Moderator: Jae Kim, MD, PhD

C TRACK 2: CLINICAL CARE & PRACTICES
Optimizing surgical treatment for NEC
[Britannia/Cambria, 2nd floor](#)

Martin Blakely, MD, MS
 Catherine Hunter, MD, FACS, FAAP
 Troy A. Markel, MD, FACS, FAAP
 Marie Spruce- NEC UK [PF](#)
 Moderator: Gail Besner, MD, FACS, FAAP

A TRACK 3: ADVOCACY & IMPROVEMENT
Strategies to increase funding for NEC research [Aurora, 2nd floor](#)

Patricia Burks, MA, RN- Cystic Fibrosis Fnd.
 Mark Del Monte, JD- AAP
 Tricia Johnson, PhD
 Lily Lou, MD, FAAP
 Moderator: Camilia Martin, MD, MS

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

3:45 - 5:00pm Beyond the gut: Multisystem effects of NEC [Commodore, 1st](#)

Kaitlin L'Italien, MD
 Elizabeth Rogers, MD
 Keia Sanderson, MD, MSCR
 Erin Umberger, M.Arch- NEC Society [PF](#)
 Moderator: Troy Markel, MD, FACS, FAAP

5:30 - 7:30pm Dinner & networking event at Loews Coronado Bay Resort

[Marina Terrace](#)
additional fee of \$50

*This session carries no professional credits due to industry participation

WEDNESDAY, AUGUST 30, 2023

7:00 - 8:45am **Breakfast** [Bay Terrace, 1st floor](#)
Exhibit hall open [Commodore E](#)

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

[Commodore, 1st floor](#)

Jenn Canvasser, MSW [PF](#)

Mindy Engevik, PhD

Scott Magness, PhD

Carly Paterson, PhD, RN, MPH- PCORI

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** [Commodore, 1st floor](#)

Patricia Burks, MA, RN- Cystic Fibrosis
Foundation

11:30 - 12:30pm **Advancing the field through
advocacy** [Commodore, 1st floor](#)

Mark Del Monte, JD- American
Academy of Pediatrics

12:30 - 1:00pm **Actionable steps toward
a world without NEC** [Commodore](#)

Jennifer Canvasser, MSW-NEC Society [PF](#)
Jae Kim, MD, PhD

1:00 - 2:00pm **Lunch** [Bay Terrace, 1st floor](#)

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 Priorities is available [here](#).

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

William Clatworthy Jr.
Professor of Surgery
Chief, Department of Pediatric Surgery
Nationwide Children's Hospital

Mickey Caplan, MD

Chairman, Department of Pediatrics
Chief Scientific Officer, Research Institute
Clinical Professor of Pediatrics, University of
Chicago, Pritzker School of Medicine

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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Associate Program Director, Pediatric
Surgery
C.S. Mott Children's Hospital
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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 Rehabilitation
Team
Director of MCH Neonatal Nutrition Training
Program
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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
Komansky Children's Hospital

Steven J. McElroy, MD

Chief, Division of Neonatology
Professor, Department of Pediatrics
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Aloka Patel, MD

Glore Family Professor of Neonatology
Chief, Division of Neonatology; Research
Director for Neonatology
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Assistant Professor of Pediatrics
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Jochen Profit, MD, MPH

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

Erin Pryor, MPH, RDN, LD **PF**

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Advanced Health Practitioner, Neonatology,
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Education Consultant
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Mark Underwood, MD

Professor Emeritus, Pediatrics
UC Davis School of Medicine

PF = Patient-Family affected by NEC

FACULTY

Irfan Ahmad, MD

Professor of Clinical Pediatrics
Medical Director, Surgical NICU
CHOC Children's Hospital, Orange, CA

Jessica Allen, PhD **PF**

Associate Professor of Psychology
Birmingham-Southern College

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
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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

Conrad Cole, MD, MPH, MSc

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 Helmrich, 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
Cincinnati Children's

Catherine Hunter, MD, FACS, FAAP

Professor of Surgery
Division Chief of Pediatric Surgery
Fellowship Program Director
Paula Milburn Miller Chair of Pediatric
Surgery

Tricia Johnson, PhD

Professor, Department of Health Systems
Management, College of Health Sciences
Rush University

Heather Kaplan, MD, MSCE

Attending Neonatologist, Neonatology and
Pulmonary Biology
Associate Professor, U of Cincinnati
Department of Pediatrics

Kaitlin L'Italien, MD

Pediatric Cardiologist
Nationwide Children's Hospital

Lily Lou, MD, FAAP

Immediate Past Chair, AAP Section on
Neonatal-Perinatal Medicine
Co-chair, SONPM Advocacy Committee
Professor of Clinical Pediatrics
Director of Government Relations
University of Illinois at Chicago

Scott Magness, PhD

Associate Professor
Joint Dept. of Biomedical Engineering,
NCSU/UNC-CH
Dept. of Cell & Molecular Physiology
Director, CGIBD Advanced Analytics Core
School of Medicine
The University of North Carolina at Chapel
Hill

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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, MPA **PF**

Founder and Executive Director, Saul's Light
VON Equity & Diversity Board

Carly Paterson, PhD, RN, MPH

Patient-Centered Outcomes Research
Institute

PF = Patient-Family affected by NEC

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

Professor, Pediatrics
Chief, Neonatal-Perinatal Medicine
Director, Neonatal Clinical Research
Yale University School of Medicine

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**



PF = Patient-Family affected by NEC

POSTER SESSION

Clinical/ Translational Science (Peer Reviewed)

POSTER 1: Degree Of Uncertainty In Reporting Imaging Findings For Necrotizing Enterocolitis In Radiographs Versus Ultrasound

First Author: Alain Cuna, MD, Children's Mercy Kansas City

POSTER 2: Neonatal Sequential Organ Failure Assessment (nSOFA) Differentiates Surgical Necrotizing Enterocolitis From Spontaneous Intestinal Perforation

First Author: Parker Evans, MD, Vanderbilt University Medical Center

POSTER 3: Remote Ischemic Conditioning In Necrotizing Enterocolitis: Multi-Center Phase II Feasibility Randomized Controlled Trial

First Author: Niloofar Ganji, MS, University of Toronto, Hospital for Sick Children

POSTER 4: Maternal And Infant Risk Factors For Medical Vs. Surgical Necrotizing Enterocolitis: A 10 Year Single-Institution Study

First Author: Clifford Hegedus, MD, Medical University of South Carolina

POSTER 5: Influence Of Pre- Or Post- Perforation Surgery On Outcome Of Nec In Preterm Infants: Multicentric Retrospective Observational Database Study

First Author: Ulf Kessler, MD, PhD, University Children's Hospital Bern; Bern, Switzerland

POSTER 6: Diet Shapes The Gut Microbiome And Risk For Necrotizing Enterocolitis (Nec) In Preterm Pigs

First Author: Valeria Melendez Hebib, MS, Baylor College of Medicine

POSTER 7: Predicting Surgical Necrotizing Enterocolitis (Nec) And Mortality Among Preterm Infants Suspected Of Nec

First Author: Sujir Pritha Nayak, MD, University of Texas Southwestern Medical Center

***POSTER 8: Association Between Diet And Fecal Calprotectin Levels In Very Preterm Infants**

First Author: Jocelyn Ou, MD, Division of Neonatology, Department of Pediatrics, Emory University School of Medicine

POSTER 9: Infants That Undergo Early Surgical Intervention For Necrotizing Enterocolitis Have Higher Mortality

First Author: Jessica Rauh, MD, Wake Forest

POSTER 10: Nationwide Outcomes Of Surgery For Necrotizing Enterocolitis In Dutch Infants Born Extremely Preterm

First Author: Otis C. van Varsseveld, MD, Department of Surgery, Division of Pediatric Surgery, University of Groningen, University Medical Center Groningen, Groningen, the Netherlands

POSTER 11: A Survey Update On The Use Of Prophylactic Probiotics In Nicus In The United States

First Author: Samantha Wala, MD, Nationwide Children's Hospital

***POSTER 12: Variability In Necrotizing Enterocolitis Totalis Survival Across Quaternary Referral Centers, Supports The Need For A More Specific Definition.**

First Author: Darren Bodkin, MBBS, University of Pittsburgh

POSTER 13: Preliminary Support of Breath Testing for Early NEC Detection

First Author: Juliana Perl, MS, Stanford University – Stanford Byers Center for Biodesign

POSTER 14: Spatially Resolved Transcriptomics Differentiates Cardiac From Classical Necrotizing Enterocolitis

First Author: Kathryn Burge, PhD, OUHSC

Patient-Family Poster

POSTER 14 A: What I Want You to Know: Lessons from a NEC Patient-Family

Charlie's Story

Author: Jessica Allen, PhD

***Podium presentation (8/28, 1:45 PM, Commodore Ballroom)**

Pre-Clinical/Basic Science (Peer Reviewed)

POSTER 15: Immature Ileum Is More Resistant To Hypoxia And Hyperoxia Than The Adult Ileum

First Author: Comfort Adegboye, BS, Boston Children's Hospital

POSTER 16: Butyrate Supplementation During Pregnancy Reduces Injury In Murine Model Of Neonatal Intestinal Inflammation

First Author: Maria Barbian, MD, Emory University and Children's Healthcare of Atlanta

***POSTER 17: Probiotic Supplementation Alleviates Nec-Like Injury And Restores Intestinal Proliferation In Neonatal Mice Exposed To Peripartum Antibiotics**
First Author: Alain Cuna, MD, Children's Mercy Kansas City

POSTER 18: Depletion Of The Inflammatory Gatekeeper A20 From The Sox10 Positive Enteric Glia Exacerbate Lps-Induced Ileus And Produce Severe Nec

First Author: Johannes Duess, MD, PhD, Johns Hopkins, Children's Center

POSTER 19: Deficiency Of Wnt2b Causes Increased Susceptibility To Necrotizing Enterocolitis In Mice

First Author: Chidera Emeonye, BS, Boston Children's Hospital

***POSTER 20: Intestinal Organoid Transplantation In Experimental Necrotizing Enterocolitis**

First Author: Bo (Peter) Li, PhD, The Hospital for Sick Children

POSTER 21: Epithelial Alpha1,2-Fucosylation Attenuates Experimental Necrotizing Enterocolitis

First Author: Peng Lu, PhD, Johns Hopkins University

***POSTER 22: Therapeutic Effects Of Stem Cells Can Traverse Gut-Brain Axis In Necrotizing Enterocolitis And Attenuate Mediators Of Perinatal Brain Injury**

First Author: Krishna Manohar, MD, Indiana University

TPOSTER 23: Therapeutic Effects Of Orally Administered Chondroitin Sulfate Improves Outcomes Of Lung Injury In Necrotizing Enterocolitis Model

First Author: Krishna Manohar, MD, Indiana University

POSTER 24: Interspecies Klebsiella Warfare In The Gut Of Preterm Infants At Risk For Necrotizing Enterocolitis

First Author: Adam Matson, MD, Connecticut Children's

POSTER 25: Enhancing Neonatal Porcine Intestinal Epithelial Reparative Capacity With Acellular Placental Extract

First Author: Caroline McKinney-Aguirre, DVM, North Carolina State University

POSTER 26: Hydrogen Sulfide Protects Against Lung Injury In Necrotizing Enterocolitis Through A Critical Residue On Endothelial Nitric Oxide Synthase.

First Author: Fikir Mesfin, MD, Indiana University School of Medicine

POSTER 27: Characterization Of Extracellular Vesicles From Third Trimester Amniotic Fluid For The Prevention Of Necrotizing Enterocolitis

First Author: Katelynn Montgomery, BA, Tulane University

POSTER 28: A Persistent Hyperinflammation State Post-Recovery From Nec In A Human Enteroid Model Of Nec.

First Author: Katherine Brooke Snyder, MD, University of Oklahoma

POSTER 29: Human Milk Extracellular Vesicles Survive In Vivo Digestion And Are Taken Up By Neonatal Human Enteroids

First Author: Yang Zhang, PhD, OHSU

POSTER 30: Drug Discovery Models And Precision Medicine For Necrotizing Enterocolitis

First Author: Lauren C. Frazer, MD, PhD, University of North Carolina at Chapel Hill

POSTER 31: Reduced Incidence And Severity Of Experimental Nec In A Neonatal Mouse Nec Model With C34 And Hbm-Mscs: Different Action Pathways

First Author: Livia Provitera, PhD, NICU, Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milan, Italy

***Oral Abstract Only: The Inflammatory Gatekeeper A20 Regulates The Severity Of Necrotizing Enterocolitis**

First Author: Daniel Scheese, MD, Johns Hopkins University School of Medicine

Patient-Family Poster

31A: What I Want You to Know: Lessons from a NEC Patient-Family

Tom's Story

Author: Simone Rosito, PGG Brazil

***Podium presentation (8/28, 1:45 PM, Commodore Ballroom)**

Quality Improvement (Peer Reviewed)

POSTER 32: Using Equity-Focused Qi To Address Racial Inequities In Breastmilk Provision And Necrotizing Enterocolitis In A Single-Center Nicu
First Author: Morgan Cronin, MD, UCSF Benioff Children's Hospital

***POSTER 33: Preventing Necrotizing Enterocolitis In Preterm Infants**
First Author: Anne Denslow, PA, CHOC
Category: Quality Improvement

POSTER 34: Initial Findings From The Swiss Nec Registry And Establishment Of An International Registry For Nec
First Author: Ulf Kessler, MD, PhD, University Children's Hospital Bern Bern, Switzerland

POSTER 35: Is Clinically Relevant Nec Underdiagnosed - Independent Adjudication Of Abdominal Radiographs For Recognition Of Intestinal Pneumatosis/Portal Venous Gas
First Author: Josef Neu, MD, PhD, IBT

POSTER 36: Outcome Reporting In Interventional Necrotizing Enterocolitis Studies: A Systematic Review
First Author: Otis C. van Varsseveld, MD, Department of Surgery, Division of Pediatric Surgery, University of Groningen, University Medical Center Groningen, Groningen, the Netherlands

POSTER 37: Development Of A Core Outcome Set For Treatment Trials In Necrotizing Enterocolitis
First Author: Daphne H Klerk, BSc, Division of Neonatology, Beatrix Children's Hospital, University Medical Center Groningen, University of Groningen, Groningen, the Netherlands

POSTER 38: Neonatal necrotizing enterocolitis associated neurobehavioral outcomes: A systematic review and meta-analysis
First Author: Jonathan Berken, MD, PhD, CHOP

***Oral Abstract Only: A Commitment To Reducing Nec: One Year Later**
First Author: Stephanie Mavis, MD, Mayo Clinic

***Podium presentation (8/28, 1:45 PM, Commodore Ballroom)**

Industry Poster

POSTER 39: Planned NEC Treatment Trial of ST266, an Amnion-derived Cell Secretome
Presenting Author: Larry R. Brown, Noveome Biotherapeutics, Inc.

NEC Society Poster

POSTER 40: Research Prioritization: Necrotizing Enterocolitis (NEC)
Presenting Author: Jennifer Canvasser, MSW, Founder & Executive Director, NEC Society





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)*[™]. 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:

	Before 6/1	After 6/1
PHYSICIAN	\$625	\$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

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