



SPECIAL INTEREST GROUP NEC

SIGNEC 2020 & Neonatal QI Conference

29th & 30th October, 2020

SIGNEC includes neonatologists, paediatricians, surgeons, nurses, dieticians, transfusion medicine specialists, epidemiologists, basic science researchers, trainees and other healthcare professionals with an interest in NEC and health improvement.

The aim is to facilitate knowledge sharing, networking and collaboration to optimise research and improvements in practice.

Make a difference by sharing your thoughts and passion and contributing your expertise.



This conference has been endorsed by the European Society for Paediatric Research (ESPR).

<https://signec.org/>

29th October 2020

12:30 – 13:15 Virtual Conference Platform Open for Delegates

13:15 – 13:30 Welcome, housekeeping and plan for the day
Minesh Khashu

13:30 – 14:25 Session 1 NEC

Chair: Linseigh Green

13:30 – 13:50 Arabella's story: Surviving NEC
Mat Hilborne-Rose

13:50 – 14:10 Improving Neonatal Outcomes – a parental perspective
Silke Mader

14:10 – 14:25 Q & A with Silke & Mat

14:30 – 16:00 Session 2 NEC

Chairs: Jonathan Swanson & John Zupancic

14:30 – 15:00 New approaches to necrotizing enterocolitis – opening the door to precision prevention and treatment
David J Hackam

15:00 – 15:30 Transfusion & NEC: are we any wiser?
Akhil Maheshwari

15:30 – 16:00 Probiotics and NEC: Research and Improvement in a Learning Health System
Ravi Mangal Patel

16:00 – 16:30 Break, Virtual Exhibition & Meeting Hub

16:30 – 18:50 Session 3 NEC

Chairs: David Hackam & Akhil Maheshwari

16:30 – 17:00 Sensitivity & Specificity of NEC definitions
Steven McElroy

17:00 – 17:30 Fortification of breast milk: exploring the evidence
Boris W Kramer

17:30 - 18:00 Exploring Biomarkers for NEC: Are we there yet?
Misty Good

18:00 – 18:30 Implementation of bowel ultrasound practice for the diagnosis and management of necrotising enterocolitis
Sherwin S Chan

18:30 – 18:50 Contemporary outcomes of NEC
Nigel Hall

18:50 – 19:30 Break, Virtual Exhibition & Meeting Hub

19:30 – 20:10 Session 4 NEC Oral Abstract Presentations

Chairs: Misty Good & Ravi Patel

19:30 – 19:40 Presentation 1

19:40 – 19:50 Presentation 2

19:50 – 20:00 Presentation 3

20:00 – 20:10 Presentation 4

20:10 – 20:20 Break, Virtual Exhibition & Meeting Hub

20:20 – 21:00 Session 5 NEC Oral Abstract Presentations

Chairs: Boris Kramer & Steven McElroy

20:20 – 20:30 Presentation 5

20:30 – 20:40 Presentation 6

20:40 – 20:50 Presentation 7

20:50 – 21:00 Presentation 8

21:00 Programme Close

21:30 – 23:00 SIGNEC "PUB"

Opportunity to network with other delegates and faculty.

Delegates and faculty will be invited into virtual rooms for an informal chat and to facilitate networking opportunities.

Please let us know by 1st October if there is anyone specific you wish to "meet" with in your virtual room. Email us at abi@cfsevents.co.uk. We will try our best to accommodate all requests.

QUALITY IMPROVEMENT CONFERENCE

30th October 2020

The QI day will provide delegates with an opportunity to understand better various QI methodologies and work on a particular improvement aim within any area of neonatal care. Multidisciplinary team members from neonatal units are encouraged to attend together to optimise their unit's QI journey, covering any aspect of neonatal care they wish to work on. Come to the conference with a 'problem' to solve for your unit and national and international experts in QI including members of the BAPM Quality Collaborative will work with you such that by the end of the day you have a plan for improvement.

At registration delegates will be asked to share which specific neonatal issue for QI they plan to work on (this is optional for delegates to share if they wish to, but if provided can help faculty tailor use of examples during the QI sessions).

12:30 – 13:15 Virtual Exhibition & Meeting Hub

13:15 – 13:30 Welcome, housekeeping and plan for the day

Minesh Khashu

13:30 – 14:00 Introduction to Quality Improvement

Minesh Khashu

14:00 – 14:30 Exploring critical system levers for improvement: Primary & Secondary Drivers

Cora Doherty

14:30 – 14:45 Break, Virtual Exhibition & Meeting Hub

14:45 – 15:15 Delineating Change Ideas, change concepts and bundles

Aniko Deierl

15:15 – 15:45 Measurement for improvement: Choosing your measures

Ravi Mangal Patel

15:45 – 16:30 Completion of Driver Diagrams for individual aim/work stream by delegates

Remote Facilitators: Minesh Khashu, Ravi Mangal Patel, Cora Doherty & Aniko Deierl

16:30 – 16:45 Break, Virtual Exhibition & Meeting Hub

16:45 – 17:20 Feedback into room by participants

Cora Doherty

17:20 – 17:30 Wrap up and concluding remarks

Minesh Khashu

17:30 – 17:40 Break, Virtual Exhibition & Meeting Hub

17:40 – 19:00 Best QI Abstracts for oral presentation

Chairs: Julie-Clare Becher & TBC

17:40 – 17:50 Presentation 1

17:50 – 18:00 Presentation 2

18:00 – 18:10 Presentation 3

18:10 – 18:20 Presentation 4

18:20 – 18:30 Presentation 5

18:30 – 18:40 Presentation 6

18:40 – 18:50 Presentation 7

18:50 - 19:30 Break, Virtual Exhibition & Meeting Hub

19:30 – 21:15 Session 6 NEC

Chairs: Charles Roehr & Gail Besner

19:30 – 19:50 An unexplored role for the enteric nervous system in the pathogenesis and treatment of NEC: turn on the motor to shut off the fire
David J Hackam

19:50 – 20:10 NEC-on-a-chip: Patient-derived microphysiologic systems in precision medicine for necrotizing enterocolitis
Misty Good

20:10 – 20:30 Understanding animal models of NEC: what models are available, why are there differences, and what can they teach us about NEC
Steve McElroy

20:30 – 20:50 The mucosal immune system in the preterm gut and the microbiome and metabolome
Boris W Kramer

20:50 – 21:10 Contrast Enhanced Ultrasound Improves Diagnostic Sensitivity for NEC
Jamaal Benjamin

21:10 – 21:15 Wrap Up

21:30 – 22:00 Faculty Debrief

21:30 – 23:00 SIGNEC "PUB"

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Faculty List (alphabetical order)

Julie-Clare Becher

*Consultant Neonatologist, Edinburgh Royal Infirmary
Senior Lecturer in Child Life and Health, University of Edinburgh
Chair, BAPM Quality Collaborative
Chair, MatNeoSIP Care Pathway Design Group
Lead, Scottish Cooling Group*

Jamaal Benjamin

*Department of Radiology
Hospital of the University of Pennsylvania, Perelman School of Medicine
Philadelphia, Pennsylvania, United States of America*

Gail E Besner

*H. William Clatworthy Professor of Pediatric Surgery
Chief, Department of Pediatric Surgery
Principal Investigator, Center for Perinatal Research
Associate Director, Pediatric Surgery Training Program
Nationwide Children's Hospital*

Sherwin S Chan

*Department of Radiology,
Children's Mercy Hospitals and Clinics,
Kansas City, Missouri, USA*

Aniko Deierl

*Consultant Neonatologist, Improvement coach
Lead for Integrated Family Delivered Care Project
Imperial College Healthcare NHS Trust*

Cora Doherty

*Consultant Neonatologist,
University Hospital of Wales, Cardiff*

Misty Good

*Assistant Professor of Pediatrics
Washington University School of Medicine
Department of Pediatrics
Division of Newborn Medicine
St. Louis Children's Hospital*

Linseigh Green

*NEC Survivor and Patient-Family Advocate
Board Director, NEC Society, USA*

David J Hackam

*Garrett Professor and Chief of Pediatric Surgery
Professor of Surgery, Pediatrics and Cell Biology
Johns Hopkins University School of Medicine
Pediatric Surgeon-in-Chief and Co-Director, Johns Hopkins Children's Center
The Charlotte R. Bloomberg Children's Center*

Nigel Hall

*Associate Professor, University of Southampton
Consultant Neonatal & Paediatric Surgeon
Southampton Children's Hospital*

Mat Hilborne-Rose

Parent of a NEC survivor

Minesh Khashu

Consultant in Neonatal Medicine, Poole Hospital NHS FT & Professor of Perinatal Health
Founder SIGNEC

Boris W Kramer

*Professor of Experimental Perinatology
Maastricht University Medical Center
Director of Pediatric Research*

Silke Mader

Chairwoman, Executive Board, EFCNI

Akhil Maheshwari

*Josephine S. Sutland Professor of Newborn Medicine
Director, Eudowood Division of Neonatology
Vice-Chair (Integration), Department of Pediatrics
Johns Hopkins University School of Medicine*

Ravi Mangal Patel

*Associate Professor of Pediatrics
Division of Neonatology
Emory University School of Medicine*

Steve McElroy

*Associate Professor Neonatology
Stead Family Department of Pediatrics
Department of Microbiology
University of Iowa*

Charles Christoph Roehr

*Clinical Director, National Perinatal Epidemiology Unit (NPEU), University of Oxford
Associate Professor of Paediatrics, University of Oxford
President ESPR*

Jonathan Swanson

*Associate Professor of Pediatrics
NICU Medical Director
Chief Quality Officer of Children's Services
University of Virginia Children's Hospital
Charlottesville, VA*

John A F Zupancic

*Associate Professor of Pediatrics
Harvard Medical School
Associate Chief of Neonatology
Beth Israel Deaconess Medical Center*

Correspondence:

Prof. Minesh Khashu, Consultant in Neonatal Medicine,
Poole Hospital NHS Foundation Trust
mineshkhashu@gmail.com