This one day symposium is designed for those who want to journey into the brain of the neonate. We will investigate seizures, therapeutic hypothermia, neuroprotection, and more exciting new science of neurocritical care and brain monitoring, using amplitude EEG and Near-Infrared Spectroscopy. These innovative advances allow us to treat and even prevent neurological impairments for some babies.

CONFERENCE OBJECTIVES

- Describe the challenges in accurate diagnosis of neonatal seizures
- Identify which groups of neonates are at highest risk for seizures
- Describe challenges to forming secure parent-infant attachments in the NICU and how it affects brain development in all babies
- Demonstrate graded sensory input, contingent on infant’s neurobehavioral responses
- Evaluate infant specific positioning needs based on age, diagnosis and neurobehavioral presentation of infant
- Provide an overview of the anti-seizure medications used in the NICU, their mechanism of action, potential interactions with other medications and long-term outcome data
- Review normal neonatal neuroanatomy
- Discuss common neonatal neuropathology using interactive case presentations
- Describe the indications and prognostic value of neurmonitoring with EEG, aEEG, and NIRS and neuro-imaging with cranial ultrasound and MRI during the neonatal period, and when applicable in early childhood
- Discuss the biologic rationale for therapeutic hypothermia to treat hypoxic-ischemic encephalopathy
- Describe screening, eligibility criteria, adjuvant therapy, and evaluation for therapeutic hypothermia
- Determine when to call the cooling center for possible transfer and initiation of cooling measures
- Review possible side-effects associated with body cooling
- Elaborate on the indications for surgical interventions for neonatal IVH
- Discuss the morbidity and outcomes of high grade neonatal IVH
- Explain the basis for and limitations of aEEG monitoring
- Name the 5 background patterns for aEEG and their classification as normal vs. abnormal
- Describe the neurodevelopmental (ND) & neurobehavioral problems in patients with congenital heart disease (CHD)
- Discuss school performance problems in childhood and adolescence
- Discuss the goals of care over the life-span of persons with neurodevelopmental impairment
- Describe the wide spectrum of developmental trajectories amongst persons with neurodevelopmental impairment
- Explain how the experience in the Neonatal Intensive Care Unit influences the trajectory and the narrative of a family affected by neurodevelopmental impairment

September 13, 2017 | 8 a.m. – 5 p.m.

CARE OF THE NEWBORN BRAIN SYMPOSIUM

LOMA LINDA UNIVERSITY
CHILDREN’S HOSPITAL

Neonatal Intensive Care Unit (NICU)
11234 Anderson Street, Suite A
Loma Linda, CA 92354

7 CEU’S OVERVIEW
CARE OF THE NEWBORN
BRAIN SYMPOSIUM

September 13, 2017 | 8 a.m. – 5 p.m.

SPEAKERS

Anastasia (Stacey) Belliard, PT, DPT, NTMTC
Pediatric and Neonatal Physical Therapist
Loma Linda University Children’s Hospital
High Risk Infant Follow Up Clinic

Alexis S. Davis, MD, MS Epi
Clinical Associate Professor, Pediatrics/Neonatology
Stanford University School of Medicine
NICU Medical Director
Lucile Packard Children’s Hospital Stanford

Donna Goff, MD, MS
Assistant Professor of Pediatrics, Loma Linda University School of Medicine
Pediatric Cardiologist, Loma Linda University Children’s Hospital

Sheri Harder, MD, FRCP C
Assistant Professor of Radiology, Loma Linda University School of Medicine
Diagnostic Radiologist
Loma Linda University Medical Center

Andrew O. Hopper, MD
Assistant Professor of Pediatrics, Loma Linda University School of Medicine
Director, Neuro NICU Program
Loma Linda University Children’s Hospital, Division of Neonatology

Young-Min Kim, MD
Assistant Professor of Pediatrics, Loma Linda University School of Medicine
Director of the Pediatric Movement Disorders Clinic
Co-Director of the Neonatology Neonatal Intensive Care Unit

Raylene M. Phillips, MD, IBCLC, FABM, FAAP
Associate Professor of Pediatrics, Loma Linda University School of Medicine
Director, Newborn Neurodevelopment Program
Director, Lactation/Breastfeeding Program
Co-Director, Nursery/Neonatology, Loma Linda University Medical Center-Murrieta
Loma Linda University Children’s Hospital, Division of Neonatology

Courtney Wusthoff, MD, MS
Neurology Director, LPCH NeuroNICU
Assistant Professor of Neurology & Neurological Sciences and by courtesy,
Pediatrics-Neonatal and Developmental Medicine
Stanford Division of Child Neurology

Pilar Pichon Zentil, MD
Staff, Department of Pediatric Neurology
Epileptologist/Child Neurologist, Loma Linda University

Alexander Zouros, MD, FRCS(C), FAAP, FANS
Chief of Pediatric Neurosurgery Section
Associate Professor, Department of Neurosurgery, Loma Linda University

Register
www.cc.llu.edu
Keyword Search: NICU

Cost
LLU Staff $125
All Others $160
All Students $50

Direction to Conference Center
Loma Linda University Medical Center
Wong Kerlee Conference Center
11175 Campus Street
Loma Linda, CA 92350

More Information
http://childrens-hospital.lomalindahealth.org/nicucconference

CE Credits:
• Loma Linda University Medical Center, Staff Development is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center’s Commission on Accreditation (ANCC).
• Loma Linda University Medical Center Office of Staff Development is approved by the American Psychological Association to sponsor continuing education for psychologists. LLU Office of Staff Development maintains responsibility for this program and its contents. This event meets the qualifications for 10 hours of continuing education credit. Loma Linda University Psychological Association.
• Loma Linda University Medical Center, Staff Development is a Provider approved by the California Board of Registered Nursing, Provider Number 2099. This program is approved for 7 contact hours.
• Loma Linda University Medical Center, Staff Development is recognized as a Continuing Competency Approving Agency by the Physical Therapy Board of California. This program is approved for 7 CE credits.
• This course meets the qualifications for 7 hours of continuing professional development credit by the California Speech-Language Pathology and Audiology Board. Provider #PDP42.
• Occupational Therapist reciprocate with provider #PDP42.
• Behavioral Health Professionals reciprocate with APA.
• Loma Linda University School of Public Health is a designated provider of Category 1 Continuing Education credits from the Health Education by the National Commission for Health Education Credentialing, Inc. The NCEC Multiple Event Provider (MEP) Number is 19570. This event will be available for 72.5 CES & MCHES credits hours.

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