Infections in the High Risk Newborn Infant Workshop – Co-sponsored by NICHD, NINDS, Office of Rare Diseases

Thursday August 7, 2008
8:30 AM -Welcome and Introductions: Dr. Rosemary Higgins, Dr. Carol Baker, Dr. Tonse Raju

Biology of neonatal infections - Dr. Tonse Raju - Moderator
9:00 AM Neonatal Neutrophils: Rebels with a Cause - Dr. Joyce Koenig
9:30 AM Organism virulence, antibiotic resistance and its impact on neonatal infection - Dr. Karen Puopolo
10:00 AM Positive cord blood cultures for genital mycoplasmas in preterm infants born less than 32 weeks, genital tract carriage of MRSA in our population and data on risk for MTCT - Dr. Bill Andrews
10:30 AM Etiologic Agents: Prevalence, Niches and Prevention – Dr. Carol Baker

10:30-10:45 am BREAK

Prevalence and magnitude of neonatal infection – Dr. Tonse Raju - Moderator
10:45 AM Pediatrix – Dr. Reese Clark
11:15 AM Vermont Oxford Network with focus on prevention – Dr. Bill Edwards
11:45 AM Kaiser – Dr. Karen Puopolo
12:15 PM NICHD Neonatal Research Network – Dr. Barbara Stoll

12:15-1:00 PM – Lunch – Dining Area – Main Building

Prevention of neonatal infection – Dr. Carol Baker - Moderator
1:00 PM Role of central lines - Dr. Lisa Saiman
1:30 PM Surveillance of nosocomial infections through the CDC’s Systems, past, present, and opportunities - Dr. Fernanda Lessa
2:00 PM The Developing Intestinal Microbiome and Neonatal Infections – Dr. Joseph Neu
Prevention of neonatal infection – Dr. Carol Baker – Moderator
(Continued)
2:30 PM New Concepts in Prebiotics: Beyond Fructooligosaccharide and
Galactooligosaccharides Prebiotics – Dr. Michael Sherman
3:00 PM NICU practices – antibiotic stewardship – Dr. Lisa Saiman

3:30-3:45 pm BREAK

Diagnosis of infection and tools for diagnosis – Dr. Rosemary
Higgins - Moderator
3:45 PM When to work up, when to start therapy, when to perform LP – Dr.
Ann Stark
4:15 PM Detecting bloodstream infections using PCR and Pyrosequencing–
Dr. Jean Jordan
4:45 PM Heart rate characteristics monitoring for early diagnosis of neonatal
sepsis – Dr. Randall Moorman
5:15PM Proteomic profiling for perinatal and neonatal infections - Dr.
Srinivasa Nagalla

5:45 PM – Adjourn for day 1

Friday, August 8, 2008

Specialized areas of infection – Dr. Rosemary Higgins -
Moderator
8:30 AM Neonatal Candidiasis Update: Where Do We Go From Here – Dr.
Daniel Benjamin
9:00 AM Strategies to prevent neuronal damage in paediatric bacterial
meningitis- Dr. Stephen Leib

Outcome from Infection – Dr. Rosemary Higgins - Moderator
9:30 AM Neonatal – acute in-hospital outcomes and 18-22 month FU in
ELBW – Dr. Barbara Stoll
10:00 AM Neurodevelopmental F/U in 24-32 week births after in utero
exposure to inflammation/infection - Dr. William Andrews

10:30- 11 AM Break

11- 12 PM Summary of Gaps in Knowledge and Opportunities for Research
Biology of neonatal infections
Prevalence and magnitude of neonatal infection
1-2:30 PM  Summary of Gaps in Knowledge and Opportunities for Research
and Opportunities for Research

Prevention of neonatal infection
Diagnosis of infection and tools for diagnosis
Specialized areas of infection
Outcome from Infection

2:30 PM  ADJOURN