

***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

- 8:45 AM Neonatal Neutrophils: Rebels with a Cause - **Dr. Joyce Koenig**
9:15 AM Organism virulence, antibiotic resistance and its impact on neonatal infection -**Dr. Karen Puopolo**
9:45 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**
10:15 AM Etiologic Agents: Prevalence, Niches and Prevention – **Dr. Carol Baker**

10:45-11 AM **BREAK**

Prevalence and magnitude of neonatal infection – Dr. Tonse Raju - Moderator

- 11:00 AM Pediatrix – **Dr. Reese Clark**
11:30 AM Vermont Oxford Network with focus on prevention– **Dr. Bill Edwards**
12 noon Kaiser – **Dr. Karen Puopolo**
12:30 PM NICHD Neonatal Research Network – **Dr. Barbara Stoll**

1- 1:45 PM Lunch – Dining Area – Main Building

Prevention of neonatal infection – Dr. Carol Baker - Moderator

- 1:45 PM Role of central lines -**Dr. Lisa Saiman**
2:15 PM Surveillance of nosocomial infections through the CDC's Systems, past, present, and opportunities - **Dr. Fernanda Lessa**
2:45 PM The Developing Intestinal Micro biome and Neonatal Infections – **Dr. Joseph Neu**

Prevention of neonatal infection – Dr. Carol Baker – Moderator (Continued)

- 3:15 PM New Concepts in Prebiotics: Beyond Fructooligosaccharide and Galactooligosaccharides Prebiotics – **Dr. Michael Sherman**
3:45 PM NICU practices –antibiotic stewardship– **Dr. Lisa Saiman**

4:15 pm **BREAK**

Diagnosis of infection and tools for diagnosis – Dr. Rosemary Higgins - Moderator

- 4:30 PM When to work up, when to start therapy, when to perform LP –**Dr. Ann Stark**
- 5:00 PM Detecting bloodstream infections using PCR and Pyrosequencing–**Dr. Jean Jordan**
- 5:30 PM Heart rate characteristics monitoring for early diagnosis of neonatal sepsis – **Dr. Randall Moorman**
- 6:00 PM Proteomic profiling for perinatal and neonatal infections - **Dr. Srinivasa Nagalla**

6:30 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 ELBWs – **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**

