

*Third (PANDA) SYMPOSIUM on
Anesthesia and Neurodevelopment in Children*

April 21, 2012

CHONY Tower 103

3959 Broadway, NY, NY 10032



*Co-Sponsored by
New York-Presbyterian/Morgan Stanley Children's Hospital &
Department of Anesthesiology of Columbia University*

8:00-8:15 ***Introduction and Welcome Remarks***

Lena S. Sun *PI, PANDA Study*

Margaret Wood *Chair of Anesthesiology, Columbia University*

Kevin Hammeran *COO, Morgan Stanley-CHONY*

8:15-11:00 ***Update of Recent Research Related to Anesthetic Neurotoxicity***
Moderator: Steve Hall

8:15-9:30 ***PRE-CLINICAL RESEARCH***

Philip Morgan *Anesthetic Neurotoxicity Studies in C. Elegans*

Andreas Loepke *Selectivity of Anesthesia-induced Neuroapoptosis*

Piyush Patel *Anesthetic Neurotoxicity: The Role of Disruption of the
Cytoskeleton in the Developing Brain*

David Mintz *Additional Studies in Mechanisms of Neurotoxicity*

John Olney *Anesthesia- Induced Neuroapoptosis and Oligoapoptosis in
the Developing Primate Brain*

Mark Baxter *Studying Neurobehavior in Primates*

Greg Stratmann *Anesthesia-Induced Cognitive Decline in Immature Rats*

9:30-10:00

Neil Harrison *Discussion and Comments*

10:00-10:30 ***CLINICAL RESEARCH***

Charles DiMaggio *Update from the PANDA Study Team*

Andrew Davidson *The GAS Study: A Trial of Comparing Neurodevelopment After
General and Regional Anaesthesia in Infancy*

Laura Diaz *Anesthetic Induced Neurotoxicity in Children: The CHOP
APOE Cohort*

10:30-11:00

Alastair Wood *Discussion and Comments*

11:00-12:00 ***Lessons Learned from Studies of Neurodevelopment and
Neurotoxicity***

Moderator: Guohua Li

Ezra Susser *Advent of Sibling Studies in Epidemiology*
Tomas Guilarte *Biomarkers of CNS injury: Experience with TSPO*
Julie Herbstman *Use of Epigenetic Analysis in Studies of Neurodevelopment*

12:00-1:00 ***Lunch and Group Photo Session***

1:00-4:30 ***Patient-Centered Outcome Research & “Anesthesia and Neurodevelopment in Children”***
Moderator: Lena Sun

1:00-2:00 ***PROMOTING PATIENT SAFETY EDUCATION & RESEARCH***

Alex Evers *SmartTots Initiative: An Overview*
Donald Tyler *Wake Up Safe: The Pediatric Anesthesia Quality Improvement Initiative*
Tonse Raju *NIH/NICHD Support to Foster Training Opportunities*
Q & A

2:00-3:15 ***ELECTIVE PROCEDURES & ANESTHESIA IN CHILDREN***
(A PANEL DISCUSSION)

Discussion Leader: Lynne Maxwell
Discussants: Pasquale Casale, Jeffrey Ascherman
Robert Cowles, Pamela Gallin

3:15-4:25 ***ENGAGING STAKEHOLDERS IN CLINICAL DECISION MAKING***
(FOCUS GROUP DISCUSSIONS)

Group I: Stakeholders Engagement: Who and How

Group Discussion Leader: Richard Papper
Facilitator: Jay Deshpande

Group II: Clinical Decision-making and Scientific Data

Group Discussion Leader: Margaret Wood
Facilitator: Tonya Miller

Presentations from Focus Group Discussion Leaders

4:25-4:30 ***Concluding Remarks***

Lena S. Sun