

MANJULA MUDDULURU, M.D
Curriculum Vitae

Home Address:

Office Address:

Visa Status

EDUCATION:

Undergraduate

1989-1991 Biology, Physics and Chemistry
Sri Venkatgiri Rajah's College, Nellore, A.P. India.

Graduate Training

1994 –1999 M.B.B.S (Bachelor of Medicine, Bachelor of Surgery)
Sri Venkateswara Medical College, Tirupati, India

1999-2000 Internship, Sri Venkateswara Medical College, Tirupati, India

Post Graduate Training

2003 – 2004 Intern in Pediatrics
Department of Pediatrics
University of Medicine and Dentistry New Jersey
Cooper University Hospital, Camden, NJ

2003 – 2006 Resident in Pediatrics
Department of Pediatrics
University of Medicine and Dentistry New Jersey
Cooper University Hospital, Camden, NJ

Fellowship

6/2006-7/2009 Fellow in Neonatal-Perinatal Medicine
Department of Pediatrics
Drexel University College of Medicine
St Christopher's Hospital for Children
Philadelphia, PA 19134

Appointment and Positions:

2001-2002	Junior Physician, Sri Kumar Nursing Home, Nellore, A.P. India.
2006- 2009	Instructor of Pediatrics, Daily rounds, Resident teaching, Patient care St Christopher's Hospital for Children, Drexel University College of Medicine
2009-present	St Chris pediatric associates (Tenet / full time) Currently working at Temple university hospital, Philadelphia. PA St Christopher's Hospital for Children, Drexel University College of Medicine Assistant professor of Neonatology

Licensure

2002	Educational Council for Foreign Medical Graduates (ECFMG) Standard certificate # 0 635 540 8
2003	New Jersey Training License (inactive)
2006	Pennsylvania License # MD 436825

Certifications

2007	Diplomat of American Board of Pediatrics No: 089827
2010	Board certified in Neonatal - Perinatal Medicine of the American Board of Pediatrics No: 05012

Membership in Professional Societies:

2007	American Academy of Pediatrics
2000	Indian Medical and Dental Council
2006	Philadelphia Perinatal Society

Bibliography:

Publications:

- ZH Aghai, **M Mudduluru**, TA Nakhla, B Amendolia, D Longo, S Kaki, R Sustko, JG Saslow and GE Stahl: Fluconazole prophylaxis in extremely low birth weight infants : association with cholestasis Journal of Perinatology. 26: 550-555 2006.
- **Mudduluru, M.**, Zubrow, A. B., Chang, E., Mishra, O. P. and Delivoria-Papadopoulos, M: Tyrosine Phosphorylation of Apoptotic Proteins during Hyperoxia in Mitochondria of the Cerebral Cortex of Newborn Piglets. Neurochemical Research 35: 1003-1009 2010.

Submitted for consideration in the Journal of Neuroscience Research:

Alan B. Zubrow, M.D., **Manjula Mudduluru**, M.D., Qazi Ashraf, M.D., Om Prakash Mishra, Ph.D., Maria Delivoria-Papadopoulos, M.D. Effect of Hyperoxia on Caspase-Activated DNase and DNA Fragmentation in the Cerebral Cortex of Newborn Piglets

Abstracts:

1. **M Mudduluru**, TA Nakhla, B Amendolia, D Longo, JG Saslow and GE Stahl: Fluconazole prophylaxis prevents invasive candidiasis in extremely low birth weight infants. PAS 2852.157
2. ZH Aghai, **M Mudduluru**, TA Nakhla, B Amendolia, D Longo, S Kaki, R Sustko, JG Saslow and GE Stahl PAS LB 7: Fluconazole Prophylaxis is Associated with Conjugated Hyperbilirubinemia in Extremely Low Birth Weight.
3. **Mudduluru, M.**, Zubrow, A. B., Chang, E., Mishra, O. P. and Delivoria-Papadopoulos, M.: Tyrosine Phosphorylation of Apoptotic Proteins during Hyperoxia in Mitochondria of the Cerebral Cortex of Newborn Piglets. E-PAS2007: 5330.2
4. Ashraf, Q.M., Ara, J., **Mudduluru, M.**, Mishra, O. P. and Delivoria-Papadopoulos M.: Mechanism of Post-Translational Modification by Tyrosine Phosphorylation of Apoptotic Proteins During Hypoxia in the Cerebral Cortex of Newborn Piglets. PAS2008:5852.8
5. Brutus, N., **Mudduluru, M.**, Zubrow, A.B., Mishra, O.P. and Delivoria-Papadopoulos, M.: Effect of Hyperoxia on Serine Phosphorylation of Apoptotic Proteins in the Mitochondrial Membranes of the Cerebral Cortex of Newborn Piglets: PAS2008:6110.3
6. Brutus, N., **Mudduluru, M.**, Zubrow, A.B., Mishra, O.P. and Delivoria-Papadopoulos. M.: Mechanism of Activation of Ca⁺⁺/Calmodulin-Dependent Protein Kinase IV During Hyperoxia in Neuronal Nuclei of the Cerebral Cortex of Newborn Piglets. PAS2008
7. **Mudduluru, M.**, Brutus, N., Zubrow, A.B., Mishra, O. P. and Delivoria-Papadopoulos, M.: Expression of Caspase Activated DNAase (CAD) and inhibitor of Caspase Activated DNAase (ICAD) During Hyperoxia in the Cerebral Cortex of Newborn Piglets. PAS2008: 6110.6
8. **Mudduluru, M.**, Ashraf, Q.M., Zubrow, A.B., Mishra, O.P. and Delivoria-Papadopoulos, M.: Mechanism of Expression of Caspase Activated DNAase (CAD) and Inhibitor of Caspase Activated DNAase (ICAD) During Hyperoxia in the Cerebral Cortex of Newborn Piglets. PAS2008:4505.5
9. **Mudduluru, M.**, Zubrow, A., Mishra, O.P., Delivoria-Papadopoulos., M., Effect of Hyperoxia on DNA Fragmentation in Neuronal Nuclei of the Cerebral Cortex of Newborn Piglets. E-PAS2009:3873.372.
10. **Mudduluru, M.**, Zubrow, A., Mishra, O.P., Delivoria-Papadopoulos, M., Effect of Hyperoxia on Tyrosine Phosphorylation of Apaf-1 in the Cerebral Cortex of Newborn Piglets. E-PAS2009:5526.474.

Manuscript in Preparation:

1. Zubair H Aghai, MD, Humaira Hashmi, MD, **Manjula Mudduluru**, MD, Judy G Saslow, MD, Tarek Nakhla, MD, Robin Perry, MD, Riva Eydelman, Louise Strande, Paola Leone, PhD, Gary Stahl, MD, Irfan Rahman, PhD and Jeanette Camacho, MD. Localization of Nuclear Factor-kappaB (NF-kB) is increased in the fetal membranes and inflammatory cells in preterm placentas with chorioamnionitis.

Presentations:

Local:

Presentations at Cooper University Hospital

Case Discussions

Henoch-schonlein purpura	12/03
Hyperbilirubinemia	04/04
Malabsorption syndrome	08/04
Choanal Atresia.	01/05
Gallstones	12/05
Tuberculosis	02/06

Presentations at St. Christopher's Hospital for Children:

Clinical conferences

Gastroschisis
Meconium Ileus
Hypoglycemia
Congenital syphilis
Hypoxic ischemic encephalopathy
Inborn errors of metabolism
Fetal alcohol syndrome
Congenital Diaphragmatic hernia
Duodenal Atresia
Glutaric Acidemia
Congenital Syphilis

Basic science presentations : Physiology lectures

Thermoregulation
Organogenesis of Gastrointestinal tract
Development of Nervous system
Perinatal brain metabolism
Pathophysiology of IVH

**National/International:
Invited Presentations:**

1. May 2006 Fluconazole prophylaxis prevents invasive candidiasis in extremely low birth weight infants. ZH Aghai, M Mudduluru, TA Nakhla, B Amendolia, D Longo, JG Saslow and GE Stahl. PAS SPR, Sanfransisco, CA, Poster presentation

Invited Presentations: (Cont'd)

2. May 2006 Fluconazole Prophylaxis is Associated with Conjugated Hyperbilirubinemia in Extremely Low Birth Weight. ZH Aghai, M Mudduluru, TA Nakhla, B Amendolia, D Longo, S Kaki, R Sustko, JG Saslow and GE Stahl. PAS SPR, Sanfransisco, CA, Platform Presentation
3. May 2007 Tyrosine Phosphorylation of Apoptotic Proteins During Hyperoxia in Mitochondria of the Cerebral Cortex of Newborn Piglets. PAS, Society for Pediatric Res., Toronto, Canada, Platform Presentation
4. March 2007 Tyrosine Phosphorylation of Apoptotic Proteins During Hyperoxia in Mitochondria of the Cerebral Cortex of Newborn Piglets. Eastern Society for Pediatric Research, Philadelphia, PA, Platform Presentation
5. September 2007 Tyrosine Phosphorylation of Apoptotic Proteins During Hyperoxia in Mitochondria of the Cerebral Cortex of Newborn Piglets. 31st Annual Mid-Atlantic Conference on Perinatal Research, Hershey, Platform Presentation
6. October 2007 Tyrosine Phosphorylation of Apoptotic Proteins During Hyperoxia in Mitochondria of the Cerebral Cortex of Newborn Piglets. Manjula Mudduluru, Alan B. Zubrow, Eddie Chang, Om P. Mishra, and Maria Delivoria-Papadopoulos, Discovery Day 2007 Conference, Poster presentation
7. May 2008 Expression of Caspase Activated DNAase (CAD) and inhibitor of Caspase Activated DNAase (ICAD) During Hyperoxia in the Cerebral Cortex of Newborn Piglets. PAS 2008:6110.6, Platform Presentation
8. May 2008 Mechanism of Expression of Caspase Activated DNAase (CAD) and Inhibitor of Caspase Activated DNAase (ICAD) During Hyperoxia in the Cerebral Cortex of Newborn Piglets. Manjula Mudduluru, Qazi M. Ashraf, Alan Zubrow, Om P. Mishra and Maria Delivoria-Papadopoulos. PAS 2008:4505.5, Poster presentation

9. Nov 2008 Mechanism of Hyperoxia induced brain injury in Cerebral Cortex of Newborn Piglets. Manjula Mudduluru M.D. 73rd Perinatal and Developmental Medicine Symposium, Marco Island, Florida
10. Feb 2009 Mechanism of Hyperoxia induced brain injury in Newborn piglets. Manjula Mudduluru M.D. Kansas University Medical Center. Kansas. Platform Presentation

Invited Presentations: (Cont'd)

11. Mar 2009 Effect of Hyperoxia on DNA Fragmentation in Neuronal Nuclei of the Cerebral Cortex of Newborn Piglets Manjula Mudduluru, Qazi M. Ashraf, Alan Zubrow, Om P. Mishra and Maria Delivoria-Papadopoulos. Eastern Society for Pediatric Research, Philadelphia,PA, Platform Presentation
12. May 2009 Effect of Hyperoxia on Tyrosine Phosphorylation of Apaf-1 in the Cerebral Cortex of Newborn Piglets **Mudduluru, M.**, Zubrow, A.B., Mishra, O.P. and Delivoria- Papadopoulos, M PAS2009: 5526.474 Poster presentation
13. May 2009 Effect of Hyperoxia on DNA Fragmentation in Neuronal Nuclei of the Cerebral Cortex of Newborn Piglets Manjula Mudduluru, Qazi M. Ashraf, Alan Zubrow, Om P. Mishra and Maria Delivoria-Papadopoulos PAS2009: 3873.372 Poster presentation