

BIODATA

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I EDUCATIONAL QUALIFICATIONS

M.B.B.S.	1994	Lady Hardinge Medical College, New Delhi
M.D. (Pediatrics)	1999	Safdarjung Hospital, New Delhi, Delhi University
Fellowship- Health Policy and Advocacy	2012	Centre for Health Economics and Policy Analysis, University of Indonesia.

II PROFESSIONAL EXPERIENCES

June 1999 – Feb 2001: Senior Resident at Safdarjung Hospital, New Delhi

Feb 2001 – Dec 2001: Medical Officer at Kasturba Hospital, New Delhi

Responsibilities included those mentioned above

Dec 2001 – Nov 2009: Senior Medical Officer at Safdarjung Hospital &
Associated Vardhman Mahavir Medical College, New Delhi.

Nov2009 – Nov 2013: Assistant Professor and Specialist (Pediatrics) at Safdarjung Hospital &
Associated Vardhman Mahavir Medical College, New Delhi

Nov2013 – Nov 2017: Associate Professor (Pediatrics) at Safdarjung Hospital &
Associated Vardhman Mahavir Medical College, New Delhi

Nov2017 – Till date: Professor (Pediatrics) at Safdarjung Hospital &
Associated Vardhman Mahavir Medical College, New Delhi

Responsibilities include:

a. Clinical work:

- Care of indoor and outdoor sick children
- In out patient department (OPD), taking care of various pediatric illness, advising mothers regarding ORT, Immunization and prevention of common disease etc.
- Managing sick and low birth weight babies admitted to the nursery. Taking care of various emergencies including ventilatory support of the neonates during delivery and for babies admitted to the nursery.
- Screening high-risk babies (below 1500 gm, extreme premature, on prolonged oxygen therapy) for Retinopathy of Prematurity, in collaboration with Department of Ophthalmology of Safdarjung Hospital.
- Monitoring growth and development of babies in high-risk clinic who are discharged from the nursery – Giving advice to mothers regarding breast feeding and immunization.

b. Teaching activities

- Teaching undergraduates of Vardhman Mahavir Medical College under Indraprastha University
- Teaching post graduates (MD students) of Vardhman Mahavir Medical College under Indraprastha University and also the Interns and Junior Residents (Non-PG).
- Teaching DM (Clinical Neonatology) students of AIIMS.
- Lecturer for neonatal classes of B. Sc students of Raj Kumari Amrit kaur College of Nursing under Ministry of Health and Family Welfare, Government of India.
- Empanelled as Academic Counsellor for PGDMCH program of IGNOU University

c. Conducting trainings:

- Conducting 'Training of Trainers' workshop for physicians and facilitation techniques as facilitator for Integrated Management of Neonatal and Childhood Illness (IMNCI) and F-IMNCI course of Govt. of India, WHO and UNICEF.
- Conducting trainings in Facility Based Newborn Care Initiative organized by NNF, NIPI, NRHM, Govt of Haryana and AIIMS

- Conducting FBNC Observership Training Program of Doctors and Nurses for State of Haryana at Safdarjung Hospital
- Imparting training to resident doctors and nurses both of Obstetric and Pediatric department on Neonatal resuscitation program, Infection Control and Hospital Waste management and Neonatal Nursing Practices.

d. **Administrative duties:**

- Equipment maintenance
- Organizing symposia for doctors and nursing personnel on neonatal resuscitation, infection control policies etc.
- Regular monthly perinatal meetings in collaboration with department of Obstetrics and Gynecology.

III Research projects, Theses supervised and Publications

a. **Research projects**

- Clinical investigator for Research Project on "Zinc as an adjunct for the treatment of clinical severe infection in infants younger than 2 months" - A Multicentre Study' being done in collaboration with Pediatric Biology Centre, Translational Health Science and Technology Institute (THSTI), Faridabad in collaboration with Tribhuvan University, Nepal and Centre for International Health, Bergen, Norway has been awarded a Collaborative Research Grant on Global Health and Vaccination Research (GLOBVAC) by the Research Council of Norway and from Centre for Intervention Sciences in Maternal & Child Health (CISMAC).
- Involved in a multi-country randomized clinical trial to "evaluate the impact of continuous KMC initiated immediately after birth compared to KMC initiated after stabilization in newborns with birth weight 1.0 to 1.8 kg on their survival in low-resource settings" in collaboration with World Health Organization
- Clinical investigator for Research Project on 'Understanding disease biology and diagnosis of bacterial sepsis'- A Multicentre Study' being done in collaboration with Indian Council of Medical Research and AIIMS 2015-2017.
- Clinical investigator of project on 'A novel feasibility study of newborn screening for treatable disorders and epidemiologic data generation for inborn metabolic disorders in Delhi state' being done in collaboration with UDSC, MAMC, New Delhi and Lab India Health care, 2014-2016.

- Clinical investigator for Inter-Institutional Program for Maternal, Neonatal and Infant Sciences-A translational approach to studying Preterm births in collaboration with Ministry of Science and Technology, Govt. of India.
- Co-guide for thesis "Effect of initiation of complementary food at 4 month (17 weeks) corrected age compared to 6 month (26 weeks) corrected age on growth of preterm infants less than 34 weeks of gestation-a randomized, multisite trial" by Ph.D. student of Deptt of Pediatrics, AIIMS.
- Clinical investigator for multicentre Project on 'Use of CRP-Guided Decision-Making to allow Primary Health Care Workers to stop empiric antibiotics in Suspected Neonatal Serious bacterial Infection' in collaboration with Liverpool School of Tropical Medicine UK, 2015.
- Clinical investigator for Research Project on 'Effect of multi-modal interventions aimed at improving hand hygiene compliance among health care providers at level III neonatal intensive care unit: Before and After Study' in collaboration with AIIMS and ICMR, 2015.
- Clinical investigator for cross-sectional study of Neonatal Immune Profiles: Infections and toxicants in collaboration with Translational Health Science and Technology institute 2015.
- Clinical investigator for multicentre cross-sectional study of cord blood immune markers in term appropriate for gestational age and small for gestational age neonates in collaboration with Translational Health Science and Technology institute 2014.
- Clinical investigator for Inter-Institutional Program for Maternal, Neonatal and Infant Sciences-A translational approach to studying Preterm births in collaboration with Ministry of Science and Technology, Govt. of India 2015.
- Clinical investigator of project on 'A novel feasibility study of newborn screening for treatable disorders and epidemiologic data generation for inborn metabolic disorders in Delhi state' being done in collaboration with UDSC, MAMC, New Delhi and Lab India Health care, 2014-2016.
- Clinical investigator of project on 'Developing a Neonatal Sepsis Registry and Studying Molecular Epidemiology of Bacterial Isolates – A Multicentre Study' being done in collaboration with Indian Council of Medical Research 2009-2014.

- Clinical investigator of Project on 'Effect of Probiotics VSL#3 on prevention of sepsis in LBW infants during 0–2-month period: A Randomized Controlled Trial' being done in collaboration with Indian Council of Medical Research 2009-2011.
- Project on Comprehensive Management and Health Education for the Preventive of Retinopathy of Prematurity (ROP) Blindness:
Project done in collaboration with Dept. of Ophthalmology AIIMS and International Eye Foundation (USA) 2000-2001.

b. Theses supervised

- Supervisor for DNB student (Paediatrics) for thesis on "Predictors of candidemia in pediatric patients admitted in a tertiary care hospital" 2013-2016.
- Supervisor for DNB student (Pediatrics) for thesis on "Evaluation of platelet indices as marker of neonatal sepsis" 2012-2015.
- Supervisor for DNB student (Paediatrics) for thesis on "Accuracy of transcutaneous bilirubin compared to serum bilirubin measurement in healthy neonates" 2015-2018.
- Co-guide for thesis "Effect of initiation of complementary food at 4 month (17 weeks) corrected age compared to 6 month (26 weeks) corrected age on growth of preterm infants less than 34 weeks of gestation-a randomized, multisite trial" by Ph.D. student of Dept. of Pediatrics, AIIMS.

c. Publications in International / National Medical Journals

Original Articles

1. Murtaza Kamal, Archana Kashyap, Sugandha Arya, Harish Chellani, Case Report on Acinetobacter Endocarditis in Neonates: A Rare Organism for a rare age group disease. J Pediatr Infect Dis 2016; 11(01): 013-014, DOI: 10.1055/s-0036-1585463.
2. Cooperative authorship, *Investigators of the Delhi Neonatal Infection Study (DeNIS) collaboration*, Characterization and antimicrobial resistance of sepsis pathogens in neonates born in tertiary care centers in Delhi, India: a cohort study. *Lancet Glob Health* 2016;4: e752–60
3. Harish Chellani, Sugandha Arya, Maternal and Child Health Programs January 2016 DOI: 10.5005/jp/books/12773_34 In book: Frontiers in Social Pediatrics, pp.335-345
4. Sugandha Arya, Murtaza Kamal, Harish Chellani, Approach towards a Neonate with Ambiguous Genitalia. Vol 15-12, April 2016.

5. Published original article 'Role of probiotics VSL#3 in prevention of suspected sepsis in low birthweight infants in India: a randomized controlled trial in BMJ Open June 2015.
6. Published an original article on 'Underweight Full-Term Indian Neonates Show Differences in Umbilical Cord Blood Leucocyte Phenotype: A Cross Sectional Study in Journal Plos One in April 2015
7. Published an original article on Metabolic bone disease in Low-Birth-Weight Babies between 1500-2000 g on Exclusive Breast Feeding in Astrocyte 2014; 1: 75-9.
8. Published an original article on Prediction model for low birth weight and its validation in Indian Journal of Pediatrics online in August 2013
9. Published an original article on Community acquisition of beta-lactamase producing Enterobacteriaceae in neonatal gut in Journal: BioMed Central Microbiology online in June 2013
10. Published an original article on 'Retinopathy of prematurity: Risk factors and role of antenatal betamethasone in Indian preterm newborn babies' in Journal of Clinical Neonatology, pg. 20-24, Volume 3, Issue 2, Jan-Mar, 2014.
11. Original article titled 'Effect of vitamin D supplementation of low-birth-weight term

Review articles

1. Published review article on Nutrition in Adolescents in AOGD bulletin, May 2015, Volume 15-1, pg 38-9.
2. Published review article on Gastro-esophageal Reflux: Spitting and Possetting in a Neonate in Indian J Pediatr (January 2015) 82 (1):39-43.
3. Published review article on 'Prevention of Retinopathy of Prematurity and Visual Handicap in Neonates' in Journal of Neonatology, pg. 75-79, Volume 28, No.4, Oct.-Dec. 2014.
4. Published a review article on 'Feeding issues in preterm babies' in Indian Journal of Practical Pediatrics pg53-56, Volume 15, No.3, Jul.-Sep. 2013
5. Review article titled "Diarrhea in children" published in Journal of best practices in clinical medicine and public health, April 2010.
6. Review article on 'Neonatal resuscitation Guidelines in Journal of Postgraduate Medical Education, Training and Research Vol. 2, No.1, Jan - Feb 2007.
7. Review article on 'Steroids in Perinatal Medicine' in Journal of Neonatology, Jan - Mar 2007.
8. Review article on 'Retinopathy of Prematurity' in Journal of Neonatology, April - June 2007.
9. Review article on 'Correct timing of Surgery in Neonates in Journal of Neonatology, Oct - Dec 2007.
10. Review article on 'Neonatal Jaundice' in Pediatric issue of Drug Today Plus, Vol.1, No.6, Jan 2000.

Case Reports

1. Published Letter to Editor 'Placental adhesions on an anencephalic head of a newborn' in Journal Pediatric Oncal, Jul-Sep 2015, Vol: 12, Issue 3.1
2. Case report on 'Situs Inversus and Dextrocardia in Epigastric Heteropagus Twins' in Journal of Clinical Neonatology. 2015; 4(2): 142-144.
3. Published a case report on 'Congenital Syphilis as Neonatal Cholestasis Syndrome- An Extinct Entity?' in Journal of Pediatric Sciences. 2014; 6: e216
4. Published case report on "Transient Myeloproliferative disorder in a neonate- A clinician's dilemma whether to treat' in International Journal Clinical Communiques and Medical Education, pg43-45, volume1, Issue1, July-Dec 2013.

5. Kumar Saurabh, Sanjay Kumar, Harish Chellani, Sugandha Arya. Hepatic Pulmonary Fusion: a rare association of right-sided Congenital Diaphragmatic Hernia. *Annals of Gastroenterology*. 2013; Volume 26, No 1: 26-27.
6. Bhakhri BK, Arya S, Debata PK, Chellani H. Persistent Hyperinsulinemic Hypoglycemia of Infancy: A Case Report. *Journal of Clinical and Diagnostic Research* 2010 October; 4: 3233-3235.
7. Case report on 'Sternal Cleft in a Neonate – Repaired with Silastic Block and Pectoralis Major Flaps in Indian Journal of Pediatrics Aug 2011
8. Case report 'Cardiac Rhabdomyoma' in *Journal of Tropical Pediatrics Advance Access Online* Jan 2010.
9. Case report 'Molecular evidence suggestive of intrauterine transmission of *Neisseria meningitidis* serogroup A from mother to infant' in *Journal of Pediatric Infectious Diseases* 2007, Vol 2.

b. Publications in Books

1. Published Chapter on 'Maternal and child health programs' in *Frontiers in Social Paediatrics*, second edition, 2016, edited by Dr AK Patwari
2. Chapter on 'Assessment of the Newborn' in *Post-Graduate text book of Paediatrics*, 1st edition, 2015, edited by Dr Piyush Gupta.
3. Contributor for *Text book of Neonatal Resuscitation: India, 2nd Edition, 2014*, A Publication of National Neonatology Forum of India.
4. Chapter on 'Hypotension and Shock in Neonate' in *Handbook of Neonatology* 1st edition 2013, edited by Dr. Ranjan Kumar Pejawar and Dr. Anjali Kulkarni, A Publication of The Neonatology Chapter of Indian Academy of Pediatrics.
5. Chapter on 'Pediatric Burns in text book of Principles and Practice of Burn Care 1st edition 2010, edited by Dr. Sujata Sarabhai.
6. Authored chapters on 'Breast feeding' and 'Examination of Newborn baby' in *Text book of Obstetrics* 1st edition 2007, edited by Dr. Sudha Salhan, Jaypee Brothers.
7. Chapter on 'Breast feeding' in *Text book of Pediatric Nutrition* 1st edition 2006, edited by Dr. Suraj Gupte.
8. Chapter on 'Antimicrobial therapy in NICU' in *text book of Neonatal Emergencies* 1st edition 2005, edited by Dr. Suraj Gupte.

9. Chapters on 'care of Normal Newborn' and 'Growth and Development' in Text book of Family medicine, IMA college of General Practitioners. 2nd edition, 2004. Was also editor for same book.

IV Participation in International / National Events

- Faculty in the Perinatal Society of Australia and New Zealand (PSANZ) Annual Congress, March 5-8th 2023 in Melbourne Australia.
- Faculty in protocol writing workshop organized for MD, DM and MCH students in VMMC and SJH
- Participated in IPISTOSS Planning meeting in Cape Town, South Africa from 6-12 Sep 2015.
- Participated as Faculty in 35th Annual Convention of NNF and 2nd Annual WNC from 10th-13th December at Bhubaneswar, Odisha, India.
- Participated as Faculty in International meeting on Provocative ideas on Human Placental Biology on 1st and 2nd December, 2015 sponsored by Deptt of Biotechnology, Govt. Of India. Pediatrics.
- Delivered a talk on 'An Orientation to IMNCI (ARI and Diarrhea Management, Immunization, Growth Monitoring and Promotion in National Institute of Public Cooperation and Child Development on 6 May 2014
- Participated in workshop on 'Elements of good clinical practice with special reference to responsibilities of ethical committee' at Safdarjung Hospital on May 9, 2014 conducted by Academy of Clinical Excellence, Mumbai
- Evaluated Verbal Autopsy Forms for evaluation of causes of neonatal deaths in Bihar State, program by CARE.
- Evaluated Verbal Autopsy Forms for evaluation of causes of neonatal deaths (approx.1000 cases) for assessment of 'IMNCI' implementation, program by International Clinical Epidemiological Network (INCLIN) in year 2011-2012.
- Evaluated Verbal Autopsy Forms for evaluation of causes of stillbirths (approx.450 cases) in Haryana State using CODAC classification, program by Society of Applied Sciences (SAS) in year 2012.
- Evaluated the Verbal Autopsy forms for evaluation of causes of neonatal deaths (approx.1000 cases) for assessment of the "Home Based Management of Young Infant Project" a multisite study of ICMR Delhi in year 2008-2010.
- On recommendation of GOI, awarded fellowship by WHO to study Health Policy and Advocacy at Centre for Health Economics and Policy Analysis, Faculty of Public health, University of Indonesia for 6 weeks (13 Feb 2012-23 March 2012)

- National Level Training Workshop on AEFI monitoring and causality assessment in Delhi from 3-6 June, 2013 organized by Ministry of Health and Family Welfare in collaboration with WHO-India
- Faculty for training of doctors and nurses from Myanmar in NICU and PICU care organized by VMHC and SJH in collaboration with NIHFV for 3 weeks (20 Aug to 8 Sep 2012)
- Trained in Research Methodology in 4th faculty development workshop on enhancing research capacity on 18-21 July 2011 organized by ICMR and AIIMS
- Trained in Basic Biostatistics in Workshop on Research Methodology on July 25-28, 2013 organized by SGPGI, Lucknow, India and NIH, USA
- Participated in nationwide research priority setting exercise in maternal, child health and nutrition undertaken by INCLEN in collaboration with ICMR in 2014
- Participated in National Consultative Workshop on Autism Spectrum Disorders on 9-10 November, 2011 at RML Hospital, New Delhi organized by DGHS, Min of Health and Family welfare in collaboration with WHO country office.
- Facilitated workshops on 'Essential Newborn Nursing' at Dhaka, Bangladesh in 2003 and at Halol, Gujarat in 2004.
- Participated as Faculty in 5th Annual Conference of Indian Association of Neonatal Nurses 14th-16th Feb, 2014 at M.M. College of Nursing, Ambala
- Participated as Faculty in Pediatric CME organized by Lippincott Academy of Clinical Excellence 29th-30th Mar, 2014 at NBE Dwarka Campus, New Delhi.
- Conducted 'Training of Trainers' workshop for physicians and facilitation techniques as facilitator for Integrated Management of Neonatal and Childhood Illness (IMNCI) and F-IMNCI Course of Govt. of India, WHO and UNICEF.
- Conducted 'Training of Trainers' workshop for physicians and facilitation techniques as facilitator for 'Home based Newborn Care' Course of Norway India Partner Initiative (NIPI).
- Conducting trainings in Facility Based Newborn Care Initiative organized by NNF, NIPI, and NRHM
- National faculty for 'Neonatal Resuscitation Program (2007)
- Trained national expert in AEFI monitoring and causality assessment

- Faculty for WHO fellowship program in Department of Pediatrics, Safdarjung Hospital. Looking after two fellowship programs of neonatology (Basic and Advanced)
- Involved as expert for the development of 'Multimedia package for training on IMNCI course' by IGNOU.

V Editorial services/Executive office/Membership of Scientific societies

- Reviewer for international journal 'Journal of Pediatric Infectious Diseases'
- Reviewer for Human Molecular Genetics - Scholar One Manuscripts site for online manuscript submission and review
- Reviewer for journal Clinical Communiques and Medical Education
- Developing content for course on Research Methods for Online Neonatal Training Orientation Program
- Member of editorial board of 'Journal of Neonatology'
- Member of editorial board for PGDMCH course material Indira Gandhi National Open University (IGNOU)
- Executive member of Delhi branch of National Neonatology Forum
- Life member of Indian Academy of Pediatrics
- Life member of National Neonatology Forum of India