

## ARVIND SHENOI

Current status : Clinical Director Neonatology & Pediatrics  
Address : Rainbow Children's Hospital  
Sy no 8/5,  
Marathahalli- KR Puram Outer Ring Road, Marathahalli  
BANGALORE 560 037. INDIA.  
Tel. (Hosp.) : 18002122

### **Current Designation**

Clinical Director- Neonatology & Pediatrics, Rainbow Children's hospital,  
Marathahalli, Bangalore

### **Formerly**

Chief Neonatologist & Medical Director, Cloudnine hospital, Old Airport Road,  
Bangalore

Chairman, Low Birth weight feeding group; Clinical practice guidelines 2019,  
NNF

Executive Board Member 2019-2020, National Neonatology Forum of India

Head of the Department of Pediatrics, Manipal Hospital, Bangalore

Adjunct professor of Pediatrics (Manipal University)

### **Social service**

Honorary Pediatrician, Sri Sathya Sai Sarala Memorial Hospital, Muddenahalli

Honorary pediatrician Sri Sathya Sai General Hospital 2006 – till date

Hon pediatrician – Sri Sathya Sai health Camp – Whitefield 2018 – till date

### **Education and Teaching**

Teacher for NNF Fellowship in Neonatology 2012-till date

Senate member, Rajiv Gandhi University of Health Sciences, Bangalore,  
Karnataka. 2020- 2022

DNB (Neonatology) teacher 2006-2012

DNB (Pediatrics) and MD (Pediatrics) teacher 1996-2012

### **QUALIFICATIONS**

#### **PROFESSIONAL**

Fellowship (February 1993) Neonatal Intensive Care, Monash Medical Centre,  
Melbourne, Australia.

D.M. (Neonatology), July 1991. PGIMER, Chandigarh, India. **First Batch** in the  
country.

M.D. (Paediatrics), June 1989. PGIMER, Chandigarh, India. **Silver Medal.**

MBBS, Feb 1985. Govt. Medical College, Mysore, Karnataka, India. **First Rank, first class with distinction.**

### **GENERAL**

Pre- University, 1980, National College, Bangalore, First Class.

All India Secondary School Examination, 1978, The Lawrence School, Lovedale, First Class.

### **EXPERIENCE**

Apr 2022 till date: Clinical Director- Neonatology & Pediatrics, Rainbow Children's hospital, Marathahalli, Bangalore

May 2014 till Apr 2022: Chief neonatologist and Medical Director, Cloud Nine hospital, Old Airport road, Bangalore.

Feb 2012 till April 2014: Consultant neonatologist and Medical Director, Cloud Nine hospital, Old Airport Road, Bangalore.

Apr2011 till feb 2012 : Consultant neonatologist at Manipal hospital, Bangalore

April2004 till 2011 : Head of the department, Department of Paediatrics, Manipal Hospital Bangalore

2009 onwards : **Adjunct Professor of Pediatrics**, Manipal University, India.

Dec 1993 till date: Consultant Neonatologist, Manipal Hospital, Bangalore..

March 1993 till Sept 1993: Fellow in Dept. of Ambulatory Paediatrics, and Department of Child development and rehabilitation, Royal Children's Hospital, Melbourne, Australia.

1991-Feb 1993 Fellow (Registrar) at the NICU, Monash Medical Centre, Clayton, Victoria, Australia.

1989 - 91, Senior resident in Paediatrics (Neonatology) at Nehru Hospital, PGIMER, Chandigarh. A two year fellowship in neonatology similar to the neonatology fellowship of the American Board of Paediatrics. It involved care of neonates in level I, level II, and III care nurseries and rotations through electives of neonatal neurology, developmental pediatrics, and radiology.

1986 - 89, Junior Resident in Paediatrics at Nehru Hospital, PGIMER, Chandigarh - equivalent to I, II and III year residency in Pediatrics.

### **ADMINISTRATIVE RESPONSIBILITIES**

Clinical Director- Neonatology & Pediatrics, Rainbow Children's hospital, Marathahalli, Bangalore  
Medical Director, Cloud Nine hospital, Old airport road, Bangalore.  
Chairman of infection control committee, pharmacy committee  
Head of the Department, Department of Pediatrics, Manipal hospital, Bangalore  
Academic incharge Neonatal Intensive Care Unit. Manipal Hospital, Bangalore.  
Member, ICU Committee  
Member, Hospital Pharmacy committee, Manipal Hospital, Bangalore. 1993-to 2002.  
Member, Infection control committee, Manipal Hospital, Bangalore. 1993 – 2004.  
Consultant Co-ordinator, Neonatal Intensive care Unit, Manipal Hospital. 1993 - 1995.

### **HONOURS AND AWARDS**

- Fellow of National Neonatology Forum, India Dec 2021
- Late Dr. MN Rao Oration of the NNF State Chapter Telangana, at IAP Neocon 2017, Hyderabad. On 11<sup>th</sup> Nov 2017.
- 15<sup>th</sup> Child Development Oration at Thiruvananthapuram on 19<sup>th</sup> Feb 2012.
- **Silver Medal** (first order) for performance in the M.D. (Paediatrics) exam
- Dr. Balagopal Raju Award for Research in Pediatrics. Awarded by the Indian Academy of Pediatrics, for a paper entitled, " Estimation of high density lipoprotein cholesterol in children with asthma and allergic rhinitis".
- Declared the Best outgoing student of the University of Mysore in M.B.B.S. Awarded **four gold medals** and prizes by the university. **First Rank** (First class with Distinction).
- PFIZER Graduate award and PFIZER Medallion in Medicine.

### **CHAPTERS IN TEXTBOOKS**

- Neonatal Infections in Tropics. Shenoi A, Kumaran U. in Shah RC (ed.) IAP textbook of tropical diseases. Jaypee Brothers medical publishers. New Delhi. 2020;147-166.
- Retinopathy of Prematurity. Nayak H, Rao K, Shenoi A. in Kler N, Garg P, Thakur A(eds.) Jaypee Brothers medical publishers. New Delhi. 2020; 206-213.
- Feeding of Low Birth weight babies including minimal enteral nutrition. Shenoi A. in Kumar K, Shenoi A, Pradeep GCM (eds). Noble vision. Delhi. 2020; 36-59.
- Hand hygiene and asepsis protocols in NICU. Shenoi A & Gaonkar S. in Kumar K, Shenoi A, Pradeep GCM (eds). Noble vision. Delhi. 2020; 101-112.
- Patent ductus arteriosus. Shenoi A & Rao NN. In Mathur NB(ed). Mathur's Essential Neonatology. CBS Publishers & distributors pvt. Ltd. New Delhi. 2020; 2<sup>nd</sup> edn; 384-394.
- Perinatal infections: Viral, Fungal and Parasitic. Shenoi A. in Singh M (ed). Neonatal Emergencies. CBS Publishers & distributors pvt. Ltd. New Delhi. 2018;198-204.

- A&B. Shenoi A. In Kumar K, Chandrashekharan M. (eds). ABCD of neonatology for new parents. Scholars press, Latvia 2018; 6-19.
- Formula Feeding. Shenoi A. in Bhat R, Kumar P, Vidyasagar D(eds). Handbook of neonatology. Indian Journal of Pediatrics. 2018.
- Perinatal infections: Viral Fungal and Parasitic. Shenoi A. In Neonatal emergencies. Singh M (ed) CBS Publishers and distributors pvt lt. New Delhi. 2018.
- Acute kidney injury in the newborn. Arvind Shenoi & Kishore Babu S. In Choudhury P, Bagga A, Chugh K et al.(eds) Principles of pediatric & Neonatal emergencies 3<sup>rd</sup> edn. Jaypee Brothers medical publishers (P) ltd.New Delhi. 2011
- Patent ductus arteriosus in the newborn. Arvind Shenoi & Mohit Singhal. In Mathur NB(ed). Mathur's Essential Neonatology in Noble Vision medical publishers. New Delhi. 2012.
- NICU care of a neonate with IEM. Arvind Shenoi & Sameera Reddy. In Jalan A B (ed) Inborn errors of metabolism in Noble Vision medical publishers. New Delhi. 2012.
- Management of Feeding in the low birth weight infants. Shenoi A, Prasad VSV, Nair IS.in Kumar P, Jain N, Thakre R, Murki S, Vekatsheshan S.2010; 31-48
- Extracorporeal Membrane Oxygenation (ECMO) Arvind Shenoi in Suraj Gupte (ed). Textbook of Neonatal Emergencies. Peepee Publishers and Distributors (P) ltd. New Delhi, 2006.
- Bleeding in the newborn. Shenoi A, Venkatesh HA. In Shendurnikar N, Thacker N(eds)Current Issues in pediatrics. Paras Medical Publisher. Hyderabad. 2005; 321-331.
- Assisted Mechanical Ventilation. Arvind Shenoi, R Mahesh Babu, Dipak Guha Guha's Neonatology, Principles and Practice, 3<sup>rd</sup> edition, Jaypee Brothers Medical Publishers (P) Ltd., New Delhi 2005.
- Neonatal Hematology and Oncology. Arvind Shenoi. Guha's Neonatology, Principles and Practice, 3<sup>rd</sup> edition, Jaypee Brothers Medical Publishers (P) Ltd., New Delhi 2005.
- Neonatal Blood Component Therapy. C. Shivaram, Arvind Shenoi. Guha's Neonatology, Principles and Practice, 3<sup>rd</sup> edition, Jaypee Brothers Medical Publishers (P) Ltd., New Delhi 2005.
- Neurological Disorders in the Newborn, Arvind Shenoi, Mukta Jain. Guha's Neonatology, Principles and Practice, 3<sup>rd</sup> edition, Jaypee Brothers Medical Publishers (P) Ltd., New Delhi 2005.
- Respiratory distress syndrome. Arvind Shenoi and Sandesh Kiran. In NNF manual of neonatal care, Mondkar J & Pejaver RK (eds). Prism Books pvt. Ltd. Bangalore, 2004.
- Acute renal failure in newborn. Arvind Shenoi, Kishore Babu S. In Sachdev HPS et al. (eds). Principles of Pediatric and Neonatal Emergencies, 2<sup>nd</sup> edition. Jaypee Brothers (P) Ltd. New Delhi 2004.

- . Evaluation of respiratory distress in the newborn. Shenoi A, Paramesh H Gupte S (ed.) Recent advances in Pediatrics Jaypee Brothers Medical Publishers New Delhi 2002
- Transport Incubator. Arvind Shenoi in Deorari AK and Paul VK (eds). Neonatal Equipment Everything That You Would Like To Know!. 2<sup>nd</sup> edition. Sagar Publications New Delhi, 2001.
- Shenoi A. Congenital Toxoplasmosis in Rao K (ed). Current concepts in Perinatology. A FOGSI publication. Jaypee Brothers Medical Publishers 2001: 140-151.
- Shenoi A. Transport Incubator in Paul V.K, Deorari AK (eds). Neonatal Equipment. - Everything that you would like to know. Ashok K Deorari and Vinod Kumar Paul publishers 1999; 77 - 83.
- Shenoi A, Guha D K. Hematologic Problems in Guha D K (ed). Textbook of Neonatology. Jaypee Brothers Medical Publishers, New Delhi 1998; 2<sup>nd</sup> edn; 433 – 443.

## **PUBLICATIONS**

1. Kumaran U, Shenoi A. Management of Pulmonary hypertension in preterm infants- A review. J of Neonatology 2022: DOI 10.1177/09732179221084669
2. Chaudhuri M, Jose J, Shenoi A, Tomar M. Unexpected late-onset aortic valvulitis and moderate regurgitation during longitudinal evaluation of atypical infantile Kawasaki disease: The heart beyond coronaries! Annals of Pediatr Cardiology 2021.
3. Kumaran U, Shenoi A. Management of Pulmonary hypertension in term infants- A review. J of Neonatology 2021; 35(1) 29-37.
4. Kumaran U, Gaonkar S, Chaudhuri M, Sherriff AK, Rao N, Raja M, Shenoi A. Chromosomally integrated human herpes virus 6A-associated myocarditis in a neonate treated with artesunate. J Pediatr and child health 202, doi:10.1111/jpc.15391
5. Kartheeka MG, Kumaran U, Rao NN, Raja M, Shenoi P, Shenoi A. Neonatal lupus erythematosus presenting as Neonatal Acute Liver Failure. Indian J Pediatr 2020 <https://doi.org/10.1007/s12098-020-03552-0>
6. Nagendra N, Chinna AS, Shenoi P, **Shenoi A**, Bhattacharya M, Kumar R. Observational study of third trimester vitamin D3 supplementation and implications for mothers and neonates at term. . J Obstet Gynecol India 2019;69:89-94. Epub2018Mar9.
7. Kumar K, **Shenoi A**, Yerur KV, Tajamul S, Kini P. Routine pulse oximetry screening to detect critical cyanotic congenital heart disease in Neonates after birth- a developing country perspective and experience. Congenital cardiology today. 2017;15:6; 1-7.

8. Chhina AS, **Shenoi A**, Nagendra N, Rao N, Raja M. Vitamin D and Metabolic Bone Parameters in Preterm Neonates. *Indian Pediatr.* 2016 Nov 15;53(11):1023-1024. PMID:27889736
9. Chhina AS, **Shenoi A**, Kumar RK, Patel A. Percutaneously Inserted Central Venous Catheter Tip Position in Preterm Neonates and Complications. *Indian Pediatr.* 2016 Sep 8;53(9):838-839. PMID:27771656
10. Chhina AS, **Shenoi A**. Paracetamol-responsive patent ductus arteriosus in a late preterm very low birth weight neonate at 4 weeks postnatal age. *Muller J Med Sci Res* 2016;7:131-2
11. Chhina AS, Shenoi A, Nagendra N, Singhal M and Raja M. An Infant with Congenital Sternal Cleft and Ventricular Septal Defect. *BAOJ Pediat.* 2016 2: 021
12. Chhina AS, Shenoi A, Singhal M. Dengue Shock Syndrome in Neonates. *NNF Journal of Neonatology.* 2015; 29(3): 35-36.
13. Chhinna AS, Shenoi A, Singhal M, Raja M. Spontaneous Intestinal Perforation and Infantile Hypertrophic Pyloric Stenosis in a 29-week Preterm Neonate: A Linked Etiopathogenesis? [Indian J Pediatr.](#) 2016 Feb;83(2):178. doi: 10.1007/s12098-015-1807-2. Epub 2015 Jun 10
14. Kumar P, Shenoi A. Kumar KR, Girish SV, Subbiah S. Vitamin D deficiency in women in labour and cord blood of their newborns. [Indian Pediatr.](#) 2015 Jun;52(6):530-1.
15. Chhinna AS, Sharma BK, Raja M, Singhal M, **Shenoi A**. Indomethacin – responsive patent ductus arteriosus in an extremely preterm infant at 8 weeks postnatal age. *Indian J pediatrics* 2015: [10.1007/s12098-015-1693-7](#)
16. Kumar P, **Shenoi A**. High prevalence of Vitamin d deficiency in pregnant Women and their neonates. *Perinatology* 2014;3; 100-105.
17. Kumar P, **Shenoi A**. Factors preventing quality care of preterm babies in private sector. *Indian Foundation for premature babies newsletter.* 2014; 5: 04-08.
18. **Shenoi A**. Low cost parenteral nutrition. *Perinatology* 2013 ;14:
19. Prabhu M, **Shenoi A.**, Sathish BC, Voona MM, Singhal A. Pulse Oximetry in screening for congenital heart disease in asymptomatic newborns in the first 6 hours of life. *Neonatology Today* 2013: 8; 1-4.
20. **Shenoi A**. Low-cost warming devices: critical and essential components for neonates. *Perinatology* 2012; 13: 97-99.
21. Nair IS, **Shenoi A**. Low- cost hand hygiene regimen. *Perinatology*2012;13:46-49.
22. Tiskumara R, Fakharee SH, Liu CQ, Nuntnarumit P, Lui KM, Hammoud M, Lee JK, Chow CB, **Shenoi A**, Halliday R, Isaacs D; Asia-Pacific Neonatal Infections Study. Neonatal infections in Asia. *Arch Dis Child Fetal*

- Neonatal Ed. 2009 Mar;94(2):F144-8. doi: 10.1136/adc.2008.139865. Epub 2008 Sep 19.
23. Raman EV, **Shenoi A.**, Neonatal Hearing Screening. *J Neonatology* 2005; 19: 134 – 137.
  24. Menezes MP, **Shenoi A.**, Necrotising enterocolitis. *Indian J Practical Pediatr* 2005; 7: 200 – 204.
  25. Shenoi A, Kiran SPS, Latha TK, Nagesh KN. Peripheral parenteral nutrition. *J Neonatology* 2004; 18;47.
  26. **Shenoi A**, Paramesh H. Evaluation of respiratory distress in the newborn. Gupte S (ed.) *Recent advances in Pediatrics* Jaypee Brothers Medical Publishers New Delhi 2002
  27. Jain MM, Khatib SA, **Shenoi A**, Paramesh H. The art and science of conducting a continuing medical education programme. *Indian Pediatr* 2001 38: 987 - 993
  28. *Jain MM, Shenoi A, Paramesh H. A New Oxygen Head Box. Indian Pediatrics* 2002; 39:842-846.
  29. **Shenoi A.**, Clinical approach to perinatal asphyxia. *Indian J Practical Pediatr* 2001
  30. **Shenoi A**, Christopher C, Hyperornithenemia as a cause of childhood myopia *Indian Pediatr* 2001; 38: 914 – 918.
  31. Babu SK, **Shenoi A**. Renal Function in Newborn : Evaluation and Clinical Application. *J National Neonatology Forum* 2001: 15; 4-10.
  32. **Shenoi A**. Renal function in Newborn. *J National Neonatology Forum* 2001: 15; 61.
  33. **Shenoi A**. Neonatal Jaundice. *Indian J Practical Pediatrics* 2001: 3;70-71.
  34. **Shenoi A**. Neonatal fluid therapy. *Indian J Practical Pediatrics* 2000
  35. **Shenoi A**. Experience with conventional ventilation of neonates. *J National Neonatology Forum* 2000; 14: 2 - 5..
  36. **Shenoi A**, Phadke KD. Uric acid nephropathy as an unusual cause of acute renal failure in a neonate. *Indian Pediatr* 2000: 37; 322-324.
  37. Jain M M, Khatib S A, **Shenoi A**. Questionnaire Survey on Sponsorship of Continuing Medical Education Program by Pharmaceutical Companies. *Indian Pediatr* 2000; 37:190 - 192
  38. Rani SR, **Shenoi A**, Karthik NN, Ramachandra C. Inadvertent passage of ryles tube through a tracheo-esophageal fistula. *Indian Pediatrics* 2000:37; 96-97.
  39. **Shenoi A**. Neonatal meningitis. *Bulletin National Neonatology Forum* 1999; 13: 9 -12.
  40. Chetan R, **Shenoi A**. Myocardial Infarction in a neonate with hypertrophic cardiomyopathy. *Perinatology*. 1998
  41. Rajesh N, **Shenoi A.**, Rao AM., Karthik NN. Interventions in neonatal sepsis. *Bulletin Bulletin National Neonatology Forum* 1999; 13: 4 -5.
  42. **Shenoi A**. Patent ductus arteriosus in the newborn infant. *Bulletin National Neonatology Forum* 1999;13: 23 -26.

43. **Shenoi A.**, Clinical Approach to a newborn with jaundice Indian J Practical Pediatr 1999; 1:153 -160.
44. **Shenoi A.** Retinopathy of Prematurity: viewpoint of a neonatologist. Indian J Practical Pediatr. 1999 ;1 :123 -124
45. **Shenoi A.**, Neonatology in early next millenium. SDMH J 1999; 22: 203 - 207.
46. **Shenoi A.**, Karthik N N, Maiya P P, Rekha S, Rao S D S. Multicenter Randomised Placebo Control Trial of Therapy with Intravenous Immunoglobulin in decreasing mortality due to neonatal sepsis Indian Pediatr 1999; 36: 1113 - 1118.
47. Sandeep C A R, **Shenoi A.**, Karthik N N, Chandra S, Kumar P, Myocardial Infarction in a Neonate with Hypertrophic Cardiomyopathy. Perinatology 1999, 2(1); 29-32.
48. **Shenoi A.**, Chidananda S C., Paramesh H., Hemalatha V., Khatib S A., Mukta J., Praveen B., Ashok J., Sameera P., Syed M., Gurmeet. Adoption A Pediatrician's Perspective. Karnataka Pediatr J. 1998;12:1-2.
49. **Shenoi A.**, Kumar M S., Mukta JM., Ashok J., Chidananda SC., Sameera P., Syed M. Unusual Presentation of Norrie's Disease with Hypomagnesemia. Indian Pediatr 1998;35: 783-786
50. **Shenoi A.**, Rao S A. Vitamin K in the newborn. Pediatrics Today 1998;1: 333-335.
51. **Shenoi A.**, Incubator: Perinatology 1998; 1(2): 113 – 117.
52. Neonatal Morbidity and Mortality: Report of the National Neonatal – Perinatal Database. Indian Pediatr 1997; 34: 1039 – 1042.
53. **Shenoi A.**, Iyengar J. Neonatal cholangiopathy. Karnataka Pediatr J1997; 11: 9-10.
54. **Shenoi A.**, Naidu A N, Newer vaccines, Health March 1995: 1: 8 – 10.
55. **Shenoi A.** Questionnaire survey of organisms causing neonatal sepsis. Bulletin National Neonatology Forum. 1995; 9: 44.
56. **Shenoi A.**, Anemia of Prematurity. Bulletin National Neonatology Forum1995: 9: 6-7.
57. **Shenoi A.**, Jyothi A, Bacterial Organisms Causing Neonatal Sepsis, Bulletin National neonatology forum, 1995; 9: 6.
58. **Shenoi A.**, Jensen F., Sivakumar P., Rodda C., Yu V. Y. H. Does curtailing the use of frusemide reduce the incidence of nephrocalcinosis? J Pediatr. Child Health
59. **Shenoi A.**, Kumar L., Sarihyan S., Ganguly N. K. Levels of high density lipoprotein cholesterol in children with asthma and allergic rhinitis. Acta Pediatr. 1992;81:150-152.
60. **Shenoi A.**, Narang A. Grover A. Congenital complete heart block - Antenatal Diagnosis and Management - a case report. Indian Heart J. 1991;43:55-56.
61. **Shenoi A.**, Narang A. Physiological principles of mechanical ventilation. Indian J Pediatr. 1992;59:21-27.
62. **Shenoi A.**, Narang A. Why dilute feeds? Indian Pediatr. 1991;28:438-439.



63. **Shenoi A.**, Narang A., Bhakoo O.N., Malhotra S. The dilemma of diagnosis and treatment of gestational syphilis. *Indian J Pediatr.* 1991;58:873-876.
64. **Shenoi A.**, Narang A., Bhakoo O.N. Hydrops fetalis due to congenital syphilis. *Bulletin National Neonatology Forum* 1991;3:4-5.
65. **Shenoi A.**, Narang A. Antenatal supplementation of iron: effect on iron status of infants. *Indian Paediatr.* 1991;28: 194-196.
66. Padmini P., **Shenoi A.**, Narang A., Bhakoo O.N. Indomethacin therapy in the newborn. *Indian Pediatr.* 1991;28: 169-173.
67. **Shenoi A.**, Narang A., Bidwai P. S., Bhakoo O.N. Clinical profile and management of symptomatic patent ductus arteriosus in preterm infants. *Indian Pediatr.* 1991;28: 125-130.
68. **Shenoi A.**, Narang A. Is preterm milk tailored to the needs of the preterm infant *Indian Paediatr.* 1991;28: 86-87.
69. Bhakoo O.N., **Shenoi A.**, HIV infection in the pediatric age group. *Indian Pediatr.* 1990;27: 891-898.
70. **Shenoi A.**, Deshpande S. A., Marwaha R. K. Diabetes insipidus and growth hormone deficiency following tubercular meningitis. *Indian Pediatr.* 1990;27:624-625.
71. **Shenoi A.**, Singh S. Stress during postgraduate training in pediatrics. *Indian Pediatr.* 1990;27:642-643.
72. **Shenoi A.**, Marwaha R.K., Singh R.P., Sen B., Banerjee C. K. Late hemorrhagic disease as the presenting manifestation of neonatal hepatitis due to alpha - 1 - antitrypsin deficiency. *Indian Paediatr.* 1989;26:838-840.
73. **Shenoi A.**, Khajuria R., Malik N., Singhi S. Acute paraplegia as a presenting symptom of acute leukaemia. *Indian Paediatr.* 1988;25:569-571.
74. Singh R.P., Marwaha R.K., **Shenoi A.**, Keratomalacia in Soyab fed infants. *Indian Paediatr.* 1987;24:607-608.

### **PAPERS PRESENTED (other than guest lectures)**

50. Pharmacotherapy of apnea
49. Pulmonary hemorrhage in the newborn
48. Fluid and electrolytes in the newborn
47. CPAP therapy in the newborn
46. Surfactant therapy in the newborn
45. Patient triggered ventilation
44. Humidification is it necessary?
43. What is the optimal illumination to clinically detect neonatal jaundice?
42. Nephrocalcinosis in very low birth weight infants.
41. Ventilation in neonates - Two and a half years experience
40. Cycling of antibiotics and Antibiograms of organisms isolated in NICU.

39. Role of score for Neonatal acute physiology in predicting neonatal mortality.
38. Three year audit of pediatric intensive care unit
37. Score for neonatal acute physiology as a predictor for neonatal mortality
36. Adjunctive therapy with granulocyte -monocyte colony stimulating factor in neonatal sepsis.
35. Audit of ventilation data from a tertiary care neonatal intensive care unit.
34. 'Rescue Therapy' with single dose of surfactant in neonatal respiratory distress syndrome (RDS)
33. Screening for congenital hypothyroidism using a blood spot on filter paper
32. Thrombocytopenia as a marker for mortality in neonatal sepsis
31. Emerging pattern of multidrug resistant bacterial infections in a tertiary care neonatal unit.
30. Simple method to determine ideal pressure settings on a ventilator for intubated babies receiving IMV
29. Accidental passage of infant feeding tube into the stomach through a Tracheo - Oesophageal fistula
28. Myocardial Infarction in a neonate with hypertrophic cardiomyopathy
27. Increasing incidence in Retinopathy of prematurity (ROP) in tertiary care neonatal unit - What could be the cause
26. Neonatal TSH screening using the blood - spot - filter paper technique - How sensitive is it?
25. Clinico - Etiological study of Neonatal seizures
24. Interventions in Neonatal sepsis
23. Home oxygen therapy for Bronchopulmonary dysplasia (BPD) - is it possible in India?
22. Multicentre randomised placebo control trail of therapy with intravenous immunoglobulin in decreasing mortality due to neonatal sepsis
21. Single dose of surfactant as rescue therapy in neonatal respiratory distress syndrome it does help and is cost effective.
20. Ventilation in meconium aspiration syndrome - Bangalore Perinatal region
19. Thrombocytopenia as a prognostic marker in neonatal sepsis
18. Granulocyte - Monocyte colony stimulating factor in Neonatal Sepsis
17. Newborn screening for congenital hypothyroidism
16. Rescue therapy with single dose of surfactant
15. Abbreviated SNAP score as a predictor for Neonatal Mortality
14. Neonatal Ventilation - Bangalore Perinatal Region
13. A new head box design for easier care of the neonate
12. Risk factors in nosocomial sepsis in a NICU
11. Questionnaire based satisfaction survey of mothers visiting a NICU
10. Aggressive use of aseptic and barrier techniques in a busy tertiary care neonatal unit effect on incidence of sepsis
9. All that appears to be Trisomy 18 may not be so!
8. Role of score for neonatal acute physiology in predicting neonatal mortality.
7. Cycling of antibiotics and antibiograms of organisms isolated in NICU.

6. Ventilation in neonates - two and a half year experience.
5. Nephrocalcinosis in very low birth weight infants.
4. Study of the effect of illumination on the ability to detect neonatal jaundice. Presented at the NNF annual conference at Jamshedpur, Feb 1991.
3. Problems encountered while organising a hospital based high risk newborn clinic. Presented at the NNF workshop at Pune, Dec 1990.
2. Estimation of high density lipoprotein cholesterol in children with asthma and allergic rhinitis. Presented at the National conference of the IAP at Bangalore, June 1990.
1. Clinical profile and management of symptomatic patent ductus arteriosus in premature infants. Presented at the NNF conference at Manipal, Feb 1990.

### **Parent education Literature**

Shenoi A. Neonatal jaundice. In Janaki S & Pejavar RK (eds) NICU parent education handbook. Prism Publications Bangalore 2005.

Shenoi A. Breast feeding. In Lokeshwar MR (ed.) a guide to parents – birth to six months. Indian academy of pediatrics. Mumbai 2002 .

### **RESEARCH**

Current Research interests :

1. Study of multi -drug resistant bacterial organisms causing sepsis
2. Delivery room CPAP

Trial Co-ordinator: IVIG in neonatal sepsis, published in Indian Pediatrics Nov 1999. Trial has been listed in the Cochrane neonatal network and part of meta-analysis on the topic.

#### **Thesis guide & Preceptor for the MD (Paediatrics) program**

1. An abbreviated score (H- score) for prognosticating outcome in neonates admitted in a tertiary neonatal intensive care unit. Dr. Prashanth -Thesis submitted and accepted 2005.
2. A study of risk factors in development of Retinopathy of Prematurity – Dr. Ramani S. – Thesis submitted. 2006.
3. A study of kangaroo mother care (KMC) in convalescent neonates - Dr. Shrima S. 2008
4. A study of chorioamnionitis in neonates born after preterm premature rupture of membranes. – Dr. Satish S.2009
5. OAE as a screening tool for hearing screening in term and high risk nicu graduates. 2010.
6. Follow up of antenatally detected pyelectasia. 2011

#### **Thesis guide and Preceptor for DNB (paediatrics) program**

1. A study of CSF Lactate levels in neonates with neonatal seizures – Dr. Madhavi. Thesis submitted and accepted 2003.

2. A randomised controlled trial of phenobarbitone and phenytoin in the management of neonatal seizures – Dr. Jeyashree A. Thesis submitted and accepted 2002.
3. A clinical profile of neonatal seizures. – Dr. Suganthi A. Thesis submitted and accepted 1999.

Projects during the D.M. course carried out under the preceptorship of Prof. O.N. Bhakoo and Prof. A. Narang.

1. How to keep neonates warm during transport using a hot water bottle.
2. Effect of illumination on the clinical ability to detect jaundice in the newborn
3. Comparison of the short term effects of nursing preterm infants prone vs. supine.

M.D. THESIS : Estimation of high density lipoprotein cholesterol in children with asthma and allergic rhinitis - carried out under Prof. Lata Kumar and Prof. N.K. Ganguly as part of M.D.(Paediatrics) program.

Trial Co-ordinator: IVIG in neonatal sepsis, published in Indian Pediatrics Nov 1999. And abstracted in the Cochrane meta-analysis

Areas of interest: Neonatal Sepsis  
Neonatal Hematology  
Neonatal Neurology

### **EDITORIAL RESPONSIBILITIES**

- Reviewer Karnataka Pediatric Journal, Mueller Journal of Medical Sciences and Research
- Manual of Neonatal Nursing. Kumar KR, **Shenoi A**, Pradeep GCM.(eds). Noble vision medical book publishers. New Delhi 2020.
- Editor Indian Journal of pediatrics 1996 - 2019
- Editor, Textbook of Neonatology, Jaypee Brothers Medical Publishers, New Delhi.
- Editor, Perinatology - Journal published on perinatal medicine, Himalaya pharma company, Bangalore
- Editor, Health March - Bulletin of the Indian Medical Association, Bangalore South East Branch.1995-97.
- Member, Editorial Board - Bulletin National Neonatology Forum. 1996
- Reviewer - Indian Pediatrics and Indian Journal of Pediatrics

### **SCHOLARSHIPS \ FELLOWSHIPS**

- Play Research Laboratory, New York, USA. 2000.
- Neonatal Neurology. 1996 - Prof. Malcolm Levene, Leeds General Infirmary, Leeds, UK.
- J.N. TATA Endowment for the Higher Education of Indians, awarded for attending fellowship on neonatal intensive care at Monash Medical Centre, Australia.
- Lotus trust scholarship for overseas study.
- Indian Academy of Paediatrics Trainee Fellowship 1990. awarded for the study of neurodevelopmental follow-up of high risk neonates at the KEM Hospital, Pune under the preceptorship of Prof. Anand Pandit.

### **INVITED GUEST LECTURES**

- Invited guest faculty for the Indian Academy of Pediatrics, National Conference 2000, IAP chapters in the states of Gujarat, Maharashtra, Karnataka, Tamil Nadu, Chattisgarh, Andhra Pradesh and Kerala.
- Invited guest lecturer in medical colleges in Karnataka - J J M Medical College, Davangere, Government Medical College, Mysore, M R Medical College, Gulbarga, J N Medical College, Belgaum, Kasturba Medical College, Manipal, Fr. Muller's Institute of Medical Education and Research, Mangalore.
- Invited guest lecturer Indian Academy of Pediatrics, Bangalore - B P S, Mysore, Mangalore, Davangere
- Bangalore Society of Obstetrics and Gynaecology
- Paediatric Association of Bangalore
- Indian Medical Association, Bangalore, Tumkur, Ilkal, Madanapalle, Hindupur, Mandya and Indian Association of General Practitioners, KGF.
- National association of critical care medicine

### **Professional affiliations:**

- Executive Body member NNF India, elected member from south zone 2019-2020.
- Executive member NNF Karnataka 1993-1996.
- Secretary, Indian Academy of Pediatrics, Bangalore (BPS). 1996-1997.
- Joint secretary, Indian Academy of Pediatrics, Bangalore (BPS) 1995.
- Life member National Neonatology Forum, Karnataka Chapter, and member of the executive board 1994-2000, and life member national body. KAR/ L -368
- Life member -Indian Academy of Pediatrics, Bangalore Chapter (Secretary 1998-99), Karnataka Chapter, and National body.
- Life Member and member of the executive board- Society for Fetal Medicine, Bangalore
- Member, FOGSI Perinatology Committee. 2000
- Life member - Indian Medical Association - Bangalore South East Branch

### **SPECIAL COURSES ATTENDED**

5. Biostatistics and Epidemiology course at the Department of Epidemiology, Royal Children's Hospital, Melbourne, Australia, March - September 1993.
4. Communication - short course on presentation, on voice or visual media with the use of electronic devices. Royal Children's Hospital June 1993.
3. Principles of Epidemiology - conducted by the EPIDMAN Network and the Johns Hopkins School of Public Health and Hygiene, December 1990.
2. Paediatric Advanced Life Support Course conducted by the Indian Academy of Paediatrics and the American Heart Association, June 1990.
1. Elementary Biostatistics - conducted by the department of biostatistics at PGIMER, Chandigarh. November 1988.

### **WORKSHOPS CONDUCTED**

Neonatal Resuscitation – basic and Advanced- multiple all over the country since 1996.

Neonatal Nutrition – multiple workshops all over the country since 2019

Initial Management of respiratory distress 2015- KarNeocon, 2017( Respicon 2017, Bangalore).

Newborn screening workshop(Bangalore 2016)

Ultrasound in the NICU – functional echocardiography and cranial ultrasound. Cloud Nine hospital, Old Airport Road, Bangalore. 2012-2017

Neonatal ventilation and CPAP multiple workshops in association with AIIMS and PGI group in many centres around the country 2000 -2008

Neonatal ventilation, NNF, Maharashtra state branch, Pune1999.

Neonatal assisted ventilation, National conference of IAP, respiratory chapter, Nagpur 1998.

Neonatal monitoring and ventilation. IAP - Bangalore- BPS. 1999.

Neonatal ventilation and oxygen therapy, National Pediatric Critical Care conference, Nagpur 1999.

Neonatal Ventilation. IAP Pune,Maharashtra, 1999.

### **WORKSHOPS ATTENDED**

Neonatal Resuscitation Program workshops for Trainers of Trainers 1996, 2012(Jaipur) and 2018(Nagpur)

National Neonatology Forum (NNF) Workshop on the developmental assessment, follow-up and intervention in high risk neonates, Pune, Dec 1990.

NNF Workshop on the primary care of the newborn - Chandigarh, March 1990.

NNF Workshop on biomedical equipment - New Delhi, October 1989.

Workshop on Developmental Disabilities in Childhood, Chandigarh, Oct 1988.

### **EXTRA-CURRICULAR ACTIVITIES**

#### **SOCIAL**

Life Member, Century Club, Bangalore.

Member, Karnataka Philatelic society, Bangalore

Life Member, Bangalore International Centre.

