

Curriculum Vitae

Dr. SIDDU CHARKI

MBBS, MD PAEDIATRICS

IAP FELLOWSHIP IN NEONATOLOGY [F I A P]

2020

Personal Profile

Name	Dr. SIDDU CHARKI
Date of Birth	2 nd August
Address	S/o Mahadev S Charki Mangalwar Peth Banahatti-587311. DIST- Bagalkot. KARNATAKA, INDIA
Mobile	+91-9008002974
E-Mail	drsidducharki@gmail.com
Registration	Karnataka Medical Council Registration No—76362.

Academic Qualifications

Qualifications	University/Awarding Body	Year
Fellowship Neonatology	Indian Academy of Paediatrics	AUG 2015
MD Paediatrics	Rajiv Gandhi university of health and sciences	May 2013 (University 2 nd Rank)
MBBS	Rajiv Gandhi university of health and sciences	2006

Specialised Training

1. Paediatric Advanced life support-July (**PALS**) under Indian academy of paediatrics in accordance with the standard of American heart association, Bangalore.
2. Neonatal resuscitation programme (**NRP**) at St.Johns medical college, Bangalore.
3. Neonatal Functional Echocardiography and Neurosonogram at Manipal Hospital Bangalore.
4. Developmental Supportive Care in NICU at St. Johns medical college, Bangalore.

5. Neonatal Emergencies Simulation Training [NEST TOT] at OVUM Hospital, Bangalore.
6. Whole Body Cooling [Therapeutic Hypothermia]. Completed 108 babies with good Neurodevelopment outcome at 18 months follow up.
7. Inhaled Nitric Oxide therapy in Neonates with PPH

Employment Record

Current Post

Chief Consultant Neonatologist,

In Charge NICU, Dept of Neonatology and Paediatrics,
Shri B M Patil Medical College Hospital and Research Centre, Vijayapypura,
B L D E (Deemed to be University),
Vijayapura, Karnataka, India.

Hospital Profile

Tertiary care NICU unit in North Karnataka with bed strength of 40, with 5 conventional ventilators, 2 High frequency ventilators, 5 bubble CPAPs, 3 HHHFNC, Nitric Oxide Inosys and 2 Criticool cooling system units with CFM.

It has a Birth rate of 2500-3000 per year. The main referral unit in North Karnataka.

Fellowship In Neonatology {IAP}

I have completed IAP Fellowship in Neonatology in **MANIPAL Hospital Bangalore [LEVEL 3B] in Aug 2015.**

Hospital Profile- Manipal Hospital, Bangalore

Tertiary care unit with bed strength of 60, with 15 conventional ventilators, 3 High frequency ventilators, 8 bubble CPAPs, 5 HHHFNC, Nitric Oxide Inosys and Tecotherm cooling system. Has a Birth rate of 3500-4000 per year.

Resident in Paediatrics [M D PROGRAMME]

General Paediatrics- 15 months

Neonatology- 1year

Paediatric Intensive Care- 6 months

K V G MEDICAL COLLEGE AND RESEARCH CENTRE SULLIA, DK. KARNATAKA from June 2010 to May 2013

Resident in Paediatric Neurology 2months (2011)
NIMHANS Hospital Bangalore

Resident in Paediatric Cardiology 1month (2011)
Paediatric Cardiology- Jayadeva Institute of Cardiology

Resident in Paediatric Oncology 1month (2011)

Paediatric Oncology-Khidwai memorial institute of Oncology

Resident in Paediatric Nephrology
St. Johns Medical College and Hospital.

1 month (2011)

Publications and Presentations

PUBLICATIONS:

- Experience of tracheo-esophageal fistula in neonates in a Tertiary Care Center - Case series. **Journal of Clinical Neonatology**. Year : 2019 | Volume : 8 | Issue : 2 | Page : 71-74. (Original Article)
- High-Flow Nasal Cannula versus CPAP for Respiratory Support in Preterm Infants. **Journal of Neonatology**, Volume 29, Number 3 July - September 2015.
- **BMJ CASE REPORT:** "Cardiac Tamponade in a neonate-A dreadful condition-Need for Functional echo!" bcr-2014-207040.

- **JOURNAL OF CLINICAL NEONATOLOGY:** 'Herniating Mass in the Chest - Poland Syndrome'.
- **BMJ CASE REPORT:** “APLASIA OF LUNG IN A NEONATE – the myth is explored!
- **THE JOURNAL OF PAEDIATRICS NEUROSCIENCES:** “Congenital Insensitivity to Pain Syndrome with Anhydrosis”. 156/ Volume 7 /issue 2/ May-Aug 2012.
- **KARNATAKA PEDIATRIC JOURNAL:** “Rare case of Retinitis Pigmentosa in a Child”. 118/Volume 28/ no 4/ Oct – Dec 2013.
- **KARNATAKA PEDIATRIC JOURNAL:** VACTERAL syndrome: A Case report with Review of Literature. 90/ Vol. 29/No. 3 & 4/ July - December 2014.

PAPER AND POSTER PRESENTATIONS:

- “Foot Length- A Non Invasive and Potentially Useful Measurement in Neonates” at KARNEOCON OCT 2014. [ORAL PAPER]
- "Cardiac Tamponade in a neonate-A dreadful condition-Need for Functional Echo!" POSTER PRESENTATION at KARNEOCON 2015.
- A Neonatal Brain tumour- Anaplastic ependymoma - Case report at National NEOCON 2016 INDORE.
- Situs Inversus Totalis with aneurysmal inter atrial septum in a neonate a case report at National NEOCON 2016 INDORE.

- Tracheo-oesophageal fistula- a case series at National NEOCON 2016 INDORE.
- Abstract Accepted In VIIIth RECENT ADVANCES IN NEONATAL MEDICINE, WÜRZBURG, OCTOBER 8-10, 2017.
- Abstract Accepted In INAC 2017 LYON FRANCE, JULY 2017.
- Tracheo-esophageal fistula in neonates in Tertiary care centre in North Karnataka. (Oral Paper Presentation at Karneocon 2018, Bangalore).
- Therapeutic Hypothermia in Neonates with Asphyxia at Resource limited settings NICU in North Karnataka. (Award Free Paper at Karneocon 2019).

Research Experience

1. As a Chief Investigator

“Prevalence Of Urinary Tract Infection In Febrile Children Less Than Five Years Of Age” in the department of Paediatrics, K V G MEDICAL COLLEGE AND RESEARCH CENTRE SULLIA, DK. KARNATAKA from June 2010 to March 2013.

This work was accepted by Rajiv Gandhi University and was awarded MD in Paediatrics.

I am currently involved in following studies

- a) Prospective observational study of the myocardial performance index (MPI) of right ventricle in healthy term neonates using Doppler echocardiography (Protocol V1).

- b) Prospective observational study of the interventricular septum in healthy term neonates using Doppler echocardiograph.
- c) Heated Humidified High Flow Nasal Cannula versus Nasal CPAP for Respiratory Support in Preterm Neonates- A Non Inferiority Trial in Tertiary Care Center.
- d) Experience of Therapeutic Hypothermia in Neonates with Perinatal Asphyxia in Rural Tertiary Care Center.
- e) A quality Initiative study to Analyse Use of Antibiotics in NICU using CDC 12 step Anti-Microbial Resistance Campaign Tool.

MEMBER OF FOLLOWING LEARNED SOCIETIES

- Indian Academy of Paediatrics.
- National Neonatology Forum- India.
- National Neonatology Forum – Karnataka State Chapter.
- Indian Red Cross Society.

Clinical Experience in Neonatology and Procedural competencies

I have been working in field of Paediatrics from past 8 years and Neonatology past 6 years. Currently I am working at tertiary level centre where newborns receive maximum care.

I have good experience in managing Sick newborns, Extreme premature babies, Asphyxiated babies, Septic babies, Cardiac and surgical neonates.

I am specialized in managing asphyxiated neonates with therapeutic hypothermia [whole body cooling – completed 98 babies] with intact Neurodevelopment outcome.

I have special interest in ventilated newborns including conventional and High frequency ventilation. I have also dealt with sick babies with Persistent pulmonary hypertension requiring Inhaled nitric oxide.

My other area of interest is nutrition in newborn babies' especially preterm nutrition aiming best possible way to provide nutrition (enteral/parenteral).

I also have experience in newborns with complex congenital heart disease and managing them preoperatively and postoperatively. I am also involved with Paediatric surgical team handling variety of diseases like Tracheo-esophageal fistula, congenital diaphragmatic hernia, omphalocele, Gut malrotation etc.

I have gained experience in managing sick newborns with aid of Functional Echocardiogram and Neurosonogram.

- **Procedures skills-As a neonatal fellow I have good procedural skills in**
 - IV line insertion
 - Umbilical venous catheterisation
 - Umbilical arterial catheterisation
 - Lumbar puncture, PICC line insertion
 - Endotracheal intubation
 - ICD insertion
 - Exchange blood transfusion
 - Peripheral arterial cannulation
 - Inhaled Nitric Oxide
 - Therapeutic Hypothermia.

Fine Skills in managing Ventilated Newborns. I aim at ventilating newborns in the best possible way. This is one of my key interests in Neonatology.

Teaching and Training

- I have organised teaching sessions for our In house staff nurses and residents in dept. of paediatrics on Basic New Born care, Neonatal Resuscitation, Temperature regulation, Feeding in new-born & Preterm babies, Nasogastric Tube insertion, Techniques of Breast feeding, Monitoring baby on Ventilator, KMC care, IV cannulation & sampling, Blood glucose Monitoring, CPAP and Ventilator circuit set up.
- Active discussions with my junior post graduates and trained them on sampling & IV cannulation in babies, new born resuscitation and intubation, vaccine administration.
- Actively conducting Conference/ CME/ Workshops at state and national level.
- Training SNCU staff/ nurses with Nicu procedures/ breast feeding techniques and lactation/ KMC / Antibiotic protocol.

- Training Medical Officers and staff nurses of dept. of Paediatrics at District Hospitals of Karnataka as part of SNCU mentoring in Basic NRP.
- Active Member and Secretary of NNF Karnataka Training Modules-
 1. Neonatal Cooling and Transport.
 2. Neonatal Infection Control Module.
 3. Preterm Care and Nutrition Module

MANAGERIAL EXPERIENCE

- **Rota Manager:** I have experience in making duty rota's since my M D programme and Fellowship Training.
- **Neonatology CME:** Have organised Neonatology CME in KVG Medical College and Hospital during my M D programme.
- **Neonatology Conference:** Have organised Neonatology Conference on **Safe Perinatal Practice and Healthy newborn** at Dr Bidari's Ashwini Hospital, Vijaypur in May 2016.
- **Neonatology CME:** Have organised **Developmental Paediatrics CME and Early intervention workshop** in March 2017.
- Organised **HIE Awareness CME** in April 2018 at Vijayapura with eminent state and national faculty.

- **Workshop coordinator-** Therapeutic hypothermia at karneoon 2016.
- **Guest Speaker and Faculty** at Karneoon 2016 and Gastroneoon 2017.
- **Guest Speaker and Faculty** at Karneoon 2017 and 2018.
- **Chief Organizing Secretary of Karneoon 2019** conducted at Vijayapura on jan 2019.
- **Organizing committee member** and guest speaker at **IAPNEOCON** 2019 at Bangalore.
- **AUDIT:** Compliance to potential best practice in RESPIRATORY CARE OF PRETERM NEONATE LESS THAN 32 WEEK.
- **Joint Secretary** of NNF Karnataka state Chapter 2018-2020.
- **Chief Organizing Secretary of Karneoon 2020** conducted at Vijayapura on jan 25,26 2020.
- Treasurer of IAP Vijayapur 2020-2022.

Continued Professional Development

1. **Karnataka State Pedicon** held at Hassan on 21-23 October 2010.
2. **XIV Karnataka State Neocon** 2011 held at Mysore on September 2011.
3. **National Pedicon January** 2012 at Gurgoan.
4. **Karnataka State Pedicon October** 2011 at Bagalkot, Karnataka.

5. **Ventilation work shop – Advances in Paediatric Ventilation** at Karnataka State Pedicon October 2011 at Bagalkot, Karnataka.
6. **KARNEOCON OCT 2014** held at Mangalore.
7. **Developmental Supportive Care** held at St. Johns Medical College and Hospital, Bangalore, 15 March 2015.
8. **Neonatal Emergency Simulation Training** Held at OVUM hospital Bangalore, 21-22 March 2015.
9. **Neonatal Bedside Functional Echo and Neurosonogram** held at Manipal Hospital Bangalore 11-12 April 2015.
10. **Horizon – Evidence Meets Practice** held at Chancery Pavilion, Bangalore 23-24 May 2015.
11. **Guest Speaker and Panelist Karneocon 2016**, held at Dharwad, Karnataka.
12. **Guest Speaker and Panelist** at **Neogastrocon 2017** at Bangalore, Karnataka.
13. Guest speaker and Faculty at First national **Neoneurocon 2018**.
14. Guest Speaker at **IAPNEOCON 2019**.

EXTRA CURRICULAR ACTIVITIES

- I was University BLUE in cricket in RGUHS University Karnataka, India. I have organised Cricket tournaments both intra and inter college.
- I represented RGUHS volley ball team in state and national level tournaments. I have organised volley ball tournaments both intra and inter college.

- I have organised Cultural Fests and Dance competitions during my MBBS and M D programme.

Career Aims

I would like to work as a NEONATAL INTENSIVIST with an academic interest and continue clinical and research work. To conduct training programs of Medical Officers and staff nurses of Govt Hospitals and SNCU's as part of Karnataka Neonatal Action Plan and Vijayapura Neonatal Action plan.

Referees

Dr Ravi swamy
MD, FRCPCH

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Professor of Paediatrics (Adjunct)- Manipal University
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Dr Venkatesh H A
DNB PAEDIATRICS, Fellowship in Neonatology
[AUSTRALIA]

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Dr Praveen Venkatagiri
MD, FRCPCH, CCT

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Neonatal Director

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Dr Dinaker Prithviraj

Consultant Neonatologist and NICU Incharge

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Vydehi Institute of Medical Science hospital and Research centre,
Bangalore, Karnataka, India.

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Dr L H Bidari

MD PEDIATRICS, FIAP

Chairman and HOD,

Dept of Paediatrics,

Dr Bidari's Ashwini Children Hospital and Research centre,
Vijayapura, Karnataka, India.

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