

# Curriculum Vitae

## Mrs. Deepasree C. S

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## Summary

Enormously determined and self-motivated Clinical Perfusionist with Interdisciplinary background in adult and pediatric cardiac surgery. Expertise and hands-on experience in heart lung machine with roller pump, centrifugal pump and intra-aortic balloon pump (IABP). Enthusiastic, adjustable, and highly organized individual with professional work ethics with proven leadership with cross functional teams.

## Educational Qualifications

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|---|-----------|
| • <b>MBA - Hospital Management</b>  | 2008-2010 |
| Annamalai University, Annamalai nagar, Chidambaram, Tamilnadu, India.                         |           |
| • <b>Diploma in Clinical Perfusion</b>  | 2005-2007 |
| Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum, Kerala, India. |           |
| • <b>M.Sc. Biotechnology</b>  | 2003-2005 |
| Rai University International, Kochi campus, Kerala, India.                                    |           |
| • <b>B.Sc. Zoology,</b>   | 2000-2003 |
| Mahatma Gandhi University, Kottayam, Kerala, India.   |           |

## Professional Experience (09 Years)

- **LISIE HEART INSTITUTE, Ernakulam, Kerala, India (NABH Accredited)**
  - Position: **Perfusionist**
  - Tenure : 2022 February to 2023 May, (1Y 3M )
- **ADITYA BIRLA MEMORIAL HOSPITAL, Pune, India (JCI and NABH Accredited)**
  - Position: **Perfusionist**
  - Tenure : 2012 June to 2017 November, (5Y 4M)
- Operates Cardio Pulmonary Bypass for Coronary Artery Bypass Grafting & Re-do CABG.
- Conducts CPB for Congenital cardiac defects and repairs like ASD, VSD and Tetralogy Of Fallot, under deep hypothermia.
- Execute surgical myocardial protection with normothermic and retrograde cardio plegia for reducing surgical ischemic reperfusion injury. Exposure to the current protocol of Del Nidocardioplegia.
- Operates intra-aortic balloon pump; including console set-up, augmentation, timing, transportation, trouble shooting and removal.
- **LISIE HEART INSTITUTE, Ernakulam, Kerala, India (NABH Accredited)**
  - Position: **Perfusionist**
  - Tenure : 2009 June to 2010 August, (1Y 2M)
- Conducts CPB for Complex Heart Disease like Transposition of the Great Arteries.
- Performs Pre-bypass, Conventional (CUF) and Modified Ultra Filtration (MUF).
- Perfusion for the repair of aortic arch aneurysm with deep hypothermic circulatory arrest (DHCA) and retrograde cerebral perfusion (RCP).

- Protected the brain during deep hypothermia accomplished with a mixed acid base strategy; pH stat and alphastat.
- Performs left heart bypass for descending thoracic aortic aneurysm surgery, Femoro femoral bypass/femoral arterial bypass for aneurysms and redo case .Assist in the management of the inventory as it pertains to open heart procedures.
- Monitors and maintains an adequate anticoagulation status of the patient during CPB according to established protocols.
- **P.N.M Hospital, Trivandrum, Kerala, India**
  - Position: **Perfusionist**
  - Tenure : 2008 January to 2009 April, (1Y 3M)
- Follows established hospital infection control and safety procedures.
- Summarizes patient's physiological status in the medical record according to departmental policy. Records all information pertinent to patient during procedure, ie. Time on bypass, cross clamp, ABG, ACT and Temperature.
- Performs necessary checks and tests to ensure the working order and integrity of the circuit.
- Participates in periodic maintenance, cleaning and calibration of equipment.
- Periodically withdraws blood from the CPB circuit for blood gas, anticoagulation analysis and special studies.
- Assembles heart lung machine, administer various types of blood products and medication, monitor and record patient's circulatory process during procedure.

### Additional Experience

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- Position: **Consultant - CVHO (Cardiovascular Health Officer)**
- Tenure : 2017 November to 2018 March
- Project : New Protocol Sensitization for Management of Hypertension and Diabetics Mellitus
- Associated in a project with South-East Asia Regional Office of the International Union against Tuberculosis and Lung Disease and Kerala State NCD Programme.

### Skills

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- Effective verbal, written and listening communication skills and the ability to present information clearly and professionally.
- Ability to use formula and applied mathematics.
- Capable of working as a team member in order to deliver a high level of patient care by exercising sound clinical judgment with a cooperative attitude.
- Participates in the evaluation of new products with the goal of improving or maintaining quality of patient care.

### Workshops

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- **2D Echo - Basic Course;** Aditya Birla Hospital, Chinchwad, Pune, Maharashtra from April 25<sup>th</sup> to 26<sup>th</sup> 2014.
- **IABP physiologic principles, clinical practices and controversies,** conducted by Maquet medical India Pvt Ltd, on February 2<sup>nd</sup> 2015.

## Professional Training Courses

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- **Fellowship in ECMO Specialist** (Extra Corporeal Membrane Oxygenation), **2019-20**
- **Basic Life Support** (BLS/CPR & AED) Provider, 2013, American Heart Association.
- **Advanced Cardiovascular Life Support** (ACLS), 2013, American Heart Association.

## Certificate of Registration

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- **Kerala Paramedical Council, Government of Kerala**, Registration No:21/Pst/17, Date of Registration : 21.11.2017

## Professional Affiliations

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- **Indian society of extracorporeal technology** (ISECT). Life time Membership No: LM694. Date of Registration: 20.02.2016

## Personal Profiles

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|--------------------|---|-----------------------------------|
| Date of Birth      | : | 24-11-1982                        |
| Age                | : | 40 yrs.                           |
| Sex                | : | Female                            |
| Marital Status     | : | Married                           |
| Nationality        | : | Indian                            |
| Religion           | : | Hindu                             |
| Computer knowledge | : | MS Office, Canva PPT              |
| Languages          | : | English, Hindi, Malayalam, Tamil. |

## References

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### Prof. Dr. P. Balachandran Nair, MS Mch

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### Dr. Manoj Durairaj M.S, M.Ch (AIIMS, New Delhi)

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### Dr. Samith Chouta M.S (Gen. Surgery) DNB (CTh)

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### Dr. Adil Sadiq M.S, M.Ch (CTVS), FACS, FMICS (USA)

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Bangalore, Karnataka, India.  
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## Declaration

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I do hereby declare that the above statements are true to the best of my knowledge and belief.



Deepasree C.S

June, 2023