

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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|---|-----------|
| • MBA - Hospital Management | 2008-2010 |
| Annamalai University, Annamalai nagar, Chidambaram, Tamilnadu, India. | |
| • Diploma in Clinical Perfusion | 2005-2007 |
| Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum, Kerala, India. | |
| • M.Sc. Biotechnology | 2003-2005 |
| Rai University International, Kochi campus, Kerala, India. | |
| • B.Sc. Zoology, | 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 till date, (1 Y 2 M Months)
- **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

- 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

- 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

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

Professional Training Courses

- **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

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

Professional Affiliations

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

Personal Profiles

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

Prof. Dr. P. Balachandran Nair, MS Mch

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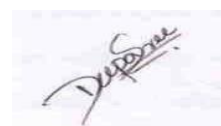
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Declaration

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



Deepasree C.S

April, 2023