



SARANYARAJ. R.S

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Marital status-Married

CAREER OBJECTIVE

To seek and maintain a full-time position that offers professional challenges utilizing interpersonal skills, excellent time management and problem-solving skills.

EDUCATION

- **B. Sc Perfusion Technology (2014)**
From JIPMER, Puducherry with 76.9% marks.
- **HIGHER SECONDARY (2010)**
From G.M.B.H.S.S, Kollam with 91%
- **SSLC (2008)**
From G.H.S.S, Perinad with A+ grade in all subjects

WORK EXPERIENCE

- From 10 June 2019 to Present
SENIOR CARDIAC PERFUSIONIST
Dr. RELA INSTITUTE AND MEDICAL CENTRE, CHENNAI
- From 14 May 2018 to 30 May 2019
SENIOR CARDIAC PERFUSIONIST
SS NARAYA HEART CENTRE, DAVANGERE
- From 01 October 2015 to 02 April 2018
CARDIAC PERFUSIONIST
SRI SATHYA SAI INSTITUTE OF HIGHER MEDICAL SCIENCES,
PUTTAPARTHI, ANDHRA PRADESH
- From 15 September 2014 to 14 September 2015
JUNIOUR PERFUSIONIST
JAWAHARLAL INSTITUTE OF POSTGRADUATE MEDICAL EDUCATION
AND RESEARCH CENTRE (JIPMER) PUDUCHERRY

SEMINARS ATTENDED

- First National conference of perfusion technology PERTECCON – 2014
- Conference on ECMO- southwest Asia chapter of ECLS organization in collaboration with university of MINNESOTA (USA), IACTA and IACTS.
- ISECTCON Hyderabad 2015.
- First Annual academic meeting of Pondicherry association of cardio thoracic and vascular surgery.
- ISECTCON Ahmedabad 2020.

LANGUAGES KNOWN

Malayalam
English
tamil

KEY SKILLS

- Assemble, initiate, and manage CPB independently during open-heart surgeries.
- Smooth initiation and alert management of adult ,pediatric and neonatal CPB
- Management of minimal invasive cardiac surgeries(VAVD)
- Assemble, initiate, and manage various ECMO/ECLS for Adults
- Effective monitoring and capable of managing multiple ECMO patients at same time
- Coordination and management of HEART AND LUNG TRANSPLANT for both retrieval and recipient
- Management of veno venous bypass during liver transplant
- Skilled at timely clinical intervention & troubleshooting in emergency IABP insertion
- Conducting CUF and MUF effectively.
- Conducting DHCA with RCP / SACP
- Management of Autologous Blood Transfusion System (Cell Saver)
- Capable of modifying the circuit in any surgical crisis.

TECHNIQUES HANDLED

- Adult , pediatric ,neonatal perfusion.
- Warm, cold cardioplegic techniques
- Deep hypothermic circulatory arrest.
- Femoro-femoral bypass.
- Minimal invasive cardiac surgeries
- Blood conservation techniques.
- Left heart bypass.
- Antegrade, retrograde cerebral perfusion.
- Warm, beating heart surgeries.
- Extra Corporeal Membrane Oxygenation (ECMO).
- Isolated limb perfusion.
- Continuous Renal Replacement therapy with roller pump.
- CPB for heart transplant
- ECMO for lung transplant
- VENO VENOUS BYPASS FOR liver transplant

REFERENCES

Dr. BV Saichandran

CTVS

JIPMER,pondicherry

Ph.no.:9442525547

Mr. P.Mathavan

Chief Perfusionist,

CTVS JIPMER

Ph no:9047112910

.Dr.Neelam Desai.

Head of the Department,

SSSIHMS

Puttaparthi,Andhrapradesh

ph:9440753129.

Mr.Shankar.B

Chief perfusionist

SSSIHMS.

Ph:9440944329

Dr.Balamurali Sreenivasan

consultant surgeon

SS Narayana Heart

Centre

Davangere ph

Ph :08806621080

Dr.Mohan R

Senior surgeon and clinical

lead

RIMC

Chennai

Ph:9841976419

PERFUSION EQUIPMENTS HANDLED

- Heart Lung machines: Terumo system 1-APS, Sarns 8000, sarns9000, Maquet HL-20.,
- Cell saver machine: Fresenius Kabi C.A.T.S, Medtronic
- ECMO System: Maquet Rotaflow, Centrimag.
- Analyzing & Testing (ABG): Medtronic ACT Plus, Siemens analyzer
- IABP: Arrow, Data scope

ADMINISTRATIVE RESPONSIBILITIES

- Theory classes,Practical demonstration classes and hands-on practical exposure for intern students.
- Instructing and supervising junior Perfusionist during cases
- Stock management of CPB ,ECMO and transplant related goods.
- Patient billing and Consumables order indent.
- Documentation of all clinical procedures.
- management reusable items.
- Strict adherence to safety protocols & patient care

CAREER ACHIEVEMENTS

- Presented poster in 17th annual conference of ISECT on the topic "Machine perfusion for organ procurement ".
- Won 3 rd prize in Terumo ISECT quiz (IPL – Indian perfusion league)2017.
- ECMO -Perfusion team lead for India's longest surviving COVID ECMO

DECLARATION

I declare that the information and facts stated here are true and correct to the best of my knowledge and belief.

SARANYA RAJ RS