

CURRICULUM VITAE

**BASIL RAJAN
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Date of Birth: 4th October 1995

➤ **OBJECTIVE:**

Seeking a full time challenging position as a Clinical perfusionist, where I can utilize my knowledge and experience for an organization.

➤ **EDUCATIONAL QUALIFICATIONS:**

Under Graduation in **(B.Sc) Perfusion Technology** , August 2016 at JAWAHARLAL NEHRU MEDICAL COLLEGE (**KLE UNIVERSITY**), BELGAUM, KARNATAKA-590010.

➤ **ACADEMIC QUALIFICATIONS:**

Name of the Examination	Name of the institution	Name of the Board/university	Percentage	Year of passing
SSLC	St Peters Higher Secondary school Kolenchery	State Board of Kerala	67%	2011
PLUS TWO	Mar Coirilose Memorial Higher Secondary school Pattimattam	State Board of Higher Secondary Examination Kerala	70%	2013
B.Sc. Perfusion Technology	Jawaharlal Nehru Medical College. Belgaum	KLE University Belgaum Karnataka	65%	2016

➤ **EXPERIENCE:**

- Worked as a perfusion intern in **KLE SOCIETY'S DR PRABHAKAR KORE HOSPITAL** from **October 2016 to March 2017**.
- Working as a Perfusionist in **LISIE HOSPITAL , KALOOR , ERNAKULAM, KERALA**– from 1st September 2018 to till date.

➤ **SKILLS:**

Adult Cardiac Cases operated :

Coronary artery bypass grafting (CABG), Off pump CABG, Multiple valve replacement, Ross Procedure, Bentall Procedure, Aortic aneurysms, aortic dissections, RA/LA Myxoma and Redo surgeries etc.

Congenital Cardiac Cases Performed (RANGING FROM 2.7 to 20 Kg):

ASD,VSD,TOF,ALCAPA, Arterial Switch Operation, DORV,RSOV,TAPVC,BDGS,AP Window, Truncus Arteriosus, Senning's Procedure, Ebsteins Anomaly, Tricuspid Atresia, Fontan Procedure , Rastelli's Proscedure, etc.

Special Procedures Performed:

Different types of Myocardial Protection techniques, MPS , Alpha –Stat and PH-Stat CUF and MUF, DHCA, Antegrade and Retrograde Cerebral Perfusion, Aorto-Femoral bypass, Femero-Femoral bypass etc.

➤ **ROLE & RESPONSIBILITIES:**

- Assemble, maintain and operate extracorporeal circulation equipment, intra-aortic balloon pumps (IABP) and other heart assist devices to support or temporarily replace patient's cardiopulmonary functions during open-heart surgery.
- Administer blood products, drugs and other substances through heart-lung machine and other devices as directed by cardiac surgeons and anesthetists.
- Monitor vital signs to maintain patient's physiological functions during cardiopulmonary bypass surgery.
- Determine blood characteristics such as activated clotting time, oxygen saturation, Analysis of blood gases and electrolytes.
- Pre bypass patient assessment
- Management & operation of
 - o Intra aortic balloon pump (IABP)
 - o Centrifugal pump
 - o Haemoconcentrator
 - o Cell saver (Auto-transfusion machine)
 - o Micro plegia system.
- Hemotherm for warming and cooling during bypass
- Working as a team member
- Working precisely and accurately

➤ **EQUIPMENT HANDLED:**

- **Heart Lung machines :** Stockert S3, Maquet, HL 20
- **Hypo Hyper Thermia machines :** Stockert, Sarns, Maquet.
- **Auto transfusion machines (cell saver) :** Dideco, Medtronic
- **Intra Aortic Balloon Pump (IABP) :** Arrow, Data Scope 98, Data Scope XP.
- **Cardioplegia :** Micro plegia system (MPS), 4:1 delivery CPG systems, Del nido cardioplegia system, Blood cardioplegia 1:4 system
- **Oxygenator :** Affinity (Medtronic), Capiiox, Dedico, Quadrox, Vital Nipro

➤ **REFERENCE:**

Cardiac Surgery:

Dr Jose Chacko Perappuram FRCS, FRCS EdCTh (HOD Cardiac Surgery)
Dr Bhaskar Renganathan MS, Mch

Cardiac Anesthesia:

Dr Jacob Abraham MD, PDCC (HOD Cardiac Anesthesia)
Dr Jesson Henry MD, PDCC (Pediatric Anesthesia)

➤ **DECLARATION:**

I hereby declare that the information provided above is true to the best of my knowledge and I am ready to provide any necessary documents in support of the same if required.

BASIL RAJAN
(Signature)