


# ADITH RAJ

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## OBJECTIVE

Seeking a position to utilize my skills and abilities in the field of Perfusion (PERFUSIONIST) that offers professional growth while being resourceful, innovate and flexible.

## EDUCATIONAL QUALIFICATION

Qualification	Institute Name	Board/University	Year of passing	Percentage of marks
Internship	Kovai Medical Center and Hospital, Tamilnadu	Tamil Nadu Dr.M.G.R. Medical University, Chennai	Jan 2019 - Dec 2019	—
Bsc. Cardiopulmonary Perfusion Care Technology	KMCH College of Allied Health Sciences, Coimbatore	Tamil Nadu Dr. M.G.R. Medical University, Chennai	2019	77.8%
Plus Two (12 <sup>th</sup> )	Panakkad Pookoya Thangal Memorial Higher Secondary School, Kottukara, Malappuram	Board of Kerala higher Secondary Education	2015	84.4%
10 <sup>th</sup>	Airport Senior Secondary School, Calicut International Airport	CBSE	2012	91.2%

## PROFESSIONAL EXPERIENCE

- ✓ Assisted over 250 adult cases and 50 pediatric cases.
- ✓ Assisted for IABPC
- ✓ Assisted for HIPEC (Hyperthermic Intra Peritoneal Chemotherapy, ILP (Isolated Limb Perfusion ).
- ✓ Assisted for adult ECMO – VA (Veno Arterial ) , VV (Veno Venous).

## PROFESSIONAL SKILLS

- ✓ Operate Cardiopulmonary bypass circuits during open heart surgery.
- ✓ Reviews patient medical history, chart and consults with surgeon/physician to obtain patient information needed to setup HLM associated equipment.
- ✓ Monitor vital signs to maintain physiological functions during open heart surgery.
- ✓ Variety of clinical experiences involving routine and complex procedures on both adults and pediatrics.
- ✓ Assistance for establishing cardiopulmonary bypass for the cases like :
- ✓ CABG, valve repair or replacement.
- ✓ Repair of aortic aneurysm/dissection (Bentall's) under DHCA & SACP/RCP.
- ✓ Emergency open heart procedures for patients in dire straits having unstable angina, stuck valve, in failure of balloon angioplasty, implantation of stent, failure of TAVI (Trans Catheter Aortic Valve Implantation) and hemodynamically unstable patients.
- ✓ Heart transplant.
- ✓ All congenital pediatric and neonatal defects and repair cases, like ASD, VSD, TOF.
- ✓ Complex heart diseases like TGA, Arterial switch, DORV
- ✓ Repair of VSR, Fontan's Procedure, PAPVC, LA Myxoma Excision .
- ✓ Redo procedures

## TECHNIQUES

- ✓ Myocardial protection techniques – hypothermic blood cardioplegia, crystalloid cardioplegia, delnido cardioplegia, fibrillatory arrest, calafiore technique.
- ✓ Hemofiltration technique – CUF, MUF, ZBUF, PUF.
- ✓ Blood conservation techniques.
- ✓ DHCA.
- ✓ VAVD & KAVD .
- ✓ Procurement of donor heart and lungs
- ✓ Adsorbtion Therapy – Cytosorb.

## EQUIPMENTS EXPOSURE

- ✓ Heart and lung machine – COBE , STOCKERT S3 , STOCKERT S5.
- ✓ Heater cooler unit – STOCKERT 3T and 2T.
- ✓ Oxygenators – SORIN INSPIRE 08, SORIN INSPIRE06, MEDOS 7000, AFFINITY FUSION, AFFINITY NT, MAQUET QUADROX, DIDECO 905, MEDOS 1000, MEDOS 2800,
- ✓ MEDOS LT 7000 FOR ECMO.
- ✓ IABP – MAQUET CS 300 , MAQUET CS 100, DATASCOPE SYSTEM 98,
- ✓ DATASCOPE SYSTEM 97.
- ✓ ECMO-Medos Deltastream DP3 and Maquet Cardiohelp
- ✓ Hemoconcentrators – Hemocor HPH 1000 & Hemocor HPH 400.
- ✓ CPDS – Spictra MPS 4:1, Spictra CPDS.
- ✓ Adult Arterial Filter – PALL AL-8, PALL AL-6 & Spictra bubble trap.
- ✓ Cell Saver – Sorin XTRA.
- ✓ Blood Gas Analyser – Cobas b 121.
- ✓ ACT machine – Medtronic ACT PLUS.

## CLINICAL EXPOSURE

1. OPD
2. Cardiac ward posting

## WORKSHOPS ATTENDED

- ✓ Basic life support ( BLS)
- ✓ Abbott-Advanced Heart Failure Solutions, Hands on Centrimag and Heart Mate 2

## AWARDS

- ✓ Certified for Academic Excellence in BSc Cardio Pulmonary Perfusion Care Technology in First and Second Year.

## PERSONAL PROFILE

Date of Birth	:	09-09-1996
Age	:	23years
Gender	:	Male
Marital Status	:	single
Nationality	:	Indian
Religion	:	Hindu

## LANGUAGES KNOWN

- ✓ English
- ✓ Malayalam
- ✓ Hindi
- ✓ Tamil

## DECLARATION

I hereby declare that the information furnished above is true to the best of my knowledge and belief.

**ADITHRAJ**

**12-12-2019**

## REFERENCES

- ✓ Dr. Prashanth Vaijyanth (MS., Mch.(AIIMS), FACS, FCS)  
Director of Cardiothoracic Surgery  
Kovai Medical Center and Hospital  
Coimbatore - 641014.  
Ph :0422-4324530.
- ✓ Dr. Devender Singh (MS, M.Ch, FIACS)  
Consultant cardiothoracic surgery  
Professor & Director cardiopulmonary perfusion care technology  
Kovai medical center and hospital  
Coimbatore-641014  
Ph : 0422 – 4323204.
- ✓ Mrs.Yamuna Devi,  
Clinical Perfusionist Tutor  
KMCH Institute of Health Sciences  
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Ph : +91 9943023556.
- ✓ Mrs.Thilagavathy,  
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**Dr. D. Sujeetha MBBS, MRCOG (UK), MBA**  
**AHS- Director**

06.01.2020

## COURSE CUM CONDUCT CERTIFICATE

This is to certify that **Mr. ADITH RAJ** has completed **B.Sc Cardio Pulmonary Perfusion Care Technology** course (Three years + one year Internship) in this Institution between September 2015 – January 2020.

His conduct and character has been good.



*D. Sujeetha*

**AHS-DIRECTOR**

DIRECTOR  
Allied Health Science Programmes  
Kovai Medical Center & Hospital  
Coimbatore - 641 014, INDIA





**Dr. PRASHANT VAIJYANATH**

06.01.2020

MS, Mch, (AIIMS) FACS, FCS

Director, Cardiothoracic Surgery

**TO WHOM SO EVER IT MAY CONCERN**

This is to certify that Mr. Adith Raj has been working as a Trainee Perfusionist (Internship) in our Cardiothoracic & vascular surgery unit from 02-01-2019 to 02-01-2020 in Kovai Medical Centre and Hospital (KMCH), Coimbatore. KMCH is a 1000 bedded multispecialty, NABH accredited and tertiary care hospital.

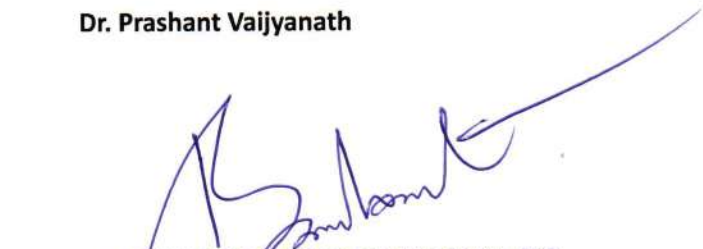
Mr. Adith Raj is well experienced in both adult and pediatric cardiac surgical procedures and has been involved in perfusion of over 700 patients which includes Minimally invasive cardiac and thoracic surgeries, Heart valve repair and replacements, Aneurysms repair, Total arch replacement, Bentall's procedures, Redo Cardiac surgeries, Heart and lung transplantation and most of the congenital cardiac anomaly repairs in both pediatrics and neonates. He is also experienced in HIPEC (Hyperthermic Intraperitoneal chemotherapy), Intra-aortic balloon Pump and Adult ECMO.

He has exposure to use of all kind of oxygenators, Left ventricular assist devices, Conventional, Modified and Zero balanced ultrafiltration, Cytosorb therapy, Total circulatory arrest and etc. He also has exposure in operating advanced equipment like Sorin Xtra Cell Saver, Sorin Centrifugal Pump CP5, 2<sup>nd</sup> Generation Cardiohelp and 3<sup>rd</sup> Generation Medos Deltastream ECMO Machine.

He is intelligent and rapidly adapts to emergency cardiopulmonary bypass (for OPCAB and TAVI) and all challenges during surgery. He is a pleasant individual who gets along very well with his colleagues and superiors. He is very cheerful and enthusiastic in his work place and updates himself constantly.

He will be an asset to any institution he chooses to serve. I wish him all the very best in his future endeavour.

**Dr. Prashant Vaijyanath**



DR. PRASHANT VAIJYANATH MS, MCH(AIIMS)FACS, FCS  
DIRECTOR, CARDIOTHORACIC SURGERY  
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