



# Akash Shaji

Perfusionist

## EDUCATION

### BSC CARDIOPULMONARY PERFUSION CARE TECHNOLOGY

KMC institute of paramedical science 2018-2023

Completed degree with internship experiences.

### HIGHER SECONDARY

St. Mary's H.S.S, Kuravilangad 2018

Passed higher secondary public examination with 98.3%

### HIGH SCHOOL

St. Mary's B.H.S.S, Kuravilangad 2016

Passed 10th public examination with 100%


## EXPERIENCE

Internship in cardiopulmonary perfusion technology ,  
Dept. of Cardiothoracic vascular surgery ( CTVS ).  
Kavery Heart City ,Trichy.

## TECHNICAL SKILLS

- Assists cardiac assist devices to include Heart Lung machine , Extracorporeal Membrane Oxygenation( ECMO), Intra Aortic Balloon Pump ( IABP ).
- Assisted 20+ On pump cases including valve cases and aortic arch repair under supervision during internship.
- Troubleshoots technical devices.
- Participates in periodic maintenance , cleaning and calibration of equipments.
- Performs assembling and priming of CPB circuit .
- Knowledge of Total Circulatory Arrest , Retrograde Cerebral perfusion , Selective Antegrade Cerebral perfusion.
- Delnido preparation.
- Handling of centrifugal pump.
- Ultrafiltration ; CUF , MUF , Z-BUF.
- Conducting class for perfusion students.
- Worked in cases like ;BENTALL PROCEDURE , AVR , MVR , DVR , ICR , VSR , Elective CABG & CRASH BYPASS.  
Pediatric cases including ASD , VSD CLOSURE

## CONTACT

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## ABOUT

Passionate , Inquisitive and dynamic student with a commitment of serving others through best practises and superior care. Adept in planning and implementing appropriate and powerful techniques leading to optimal health and wellness ; making a significant contribution to the success of the organization.

## SOFT SKILLS

Communication

Leadership

Punctuality

Adaptability

Critical thinking

## Language

English

Malayalam

Tamil

Hindi

## PROFESSIONAL SUMMARY

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Perfusionist are trained professionals who works with extracorporeal circuits and cardiac assist devices.To continue my career in cardiovascular perfusion at an institution that incorporates state of the art policies,procedures and technologies with an evidence based approach in the daily care of their cardiovascular patients.

## EQUIPMENTS HANDLED

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- Heart Lung Machine
  - > Sarns 8000 , Sarns 7000
- Intra Aortic Balloon Pump
  - > Datascope System 98xt , Datascope 97
- Hemotherm
  - > Cincinnati sub-zero
- ECMO machine
  - > Maquet Rotaflow

## ADDITIONAL INFORMATION

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- Good knowledge of human body including anatomy and physiology , physics and chemistry as it relates to science of perfusion.
- The ability to understand the operation you are involved in.
- A knowledge of pharmacology,; perfusionist are responsible for the drugs used in surgery.
- Excellent communication skills.
- Quick reactions in emergency situations.
- A strong sense of responsibility.

## REFERENCE

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**Dr.T Senthil Kumar**

M.S, M.Ch , F.I.A.C.S

**Dr. N Sugumar**

M.S, M.Ch

**Dr. Kulasekaran**

M.S, M.Ch , F.I.A.C.S