

CURRICULUM VITAE

PERSONAL PROFILE

Name : HELAN THOMAS
Gender : Female
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Languages known : English, malayalam



OBJECTIVE

- ❖ *'Seeking a growth-oriented and challenging career in the field of clinical perfusion and patient care in a professionally reputed hospital, where I can apply my knowledge and skills to the best of my abilities'.*

EDUCATIONAL ACHIEVEMENTS

- ❖ BSc in Cardiac Perfusion Technology awarded by Amrita Institute of Medical Sciences, Kochi, Kerala in 2018 under Amrita Vishwa Vidyapeetham University, Coimbatore.
- ❖ Completed Higher Secondary Education in March 2014 with distinction.
- ❖ Completed THSLC in March 2012 with distinction.

CLINICAL EXPERIENCE

- ❖ Performed more than 100 cases including neonatal, Paediatric and Adult

cases and assisted more than 1500 cases (includes all type of cases like interrupted aortic arch repair ,Complex Aortic Aneurysms etc.

AREAS OF INTEREST

- ❖ Paediatric and neonatal perfusion.
- ❖ Miniaturisation of CPB circuits.
- ❖ Blood conservation and Ultra filtration techniques.
- ❖ ECMO, Ventricular Assist Devices and Heart Transplantation.
- ❖ Minimally Invasive Cardiac Surgery

PROFICIENCY IN

- ❖ Setting up heart lung machine and Priming of perfusion circuits.
- ❖ Addition of drugs to prime as per protocol.
- ❖ Perfusion management and techniques.
- ❖ ABG analysis.
- ❖ Intra Aortic Balloon Pump.
- ❖ Patient monitoring.
- ❖ Health and safety management and infection control.
- ❖ Starting up ECMO program.
- ❖ Setting up cell saver.

I HAVE GOT HANDS ON :

- ❖ Participation in training course as required.
- ❖ Setting up perfusion equipment in a sterile manner.
- ❖ Stripping down and cleaning of perfusion equipments.
- ❖ Day to day maintenance.
- ❖ Assist with stock maintenance.
- ❖ Assist with record keeping of perfusion data.
- ❖ Perform other duties of comparable responsibilities
- ❖ ECMO

PERFUSION DEVICES I AM FAMILIAR WITH :

- Heart Lung Machine : Sarns 8000, S5 stockert, HL 20
- ECMO : Macquet PLS
- IABP : Arrow CAT1 plus, Datascope, Arrow ACAT 3
- Heater cooler machine : TCM (Terumo Sarns), HCU 40, Stockert.
- Oxygenators : Affinity, Quadrox, Minimax, Pixie, Lilliput, Brizio, Inspire
- Cardioplegia delivery systems : Spictra, Myotherm, Calafiore.
- Hemoconcentrators : Minntech HPH 400, Nipro
- Pulse Module : 3 M Sarns.

TECHNIQUES I AM FAMILIAR WITH :

- ❖ Modified Ultrafiltration, Conventional Ultrafiltration, High volume zero balance Ultrafiltration.
- ❖ Continuous retrograde cardioplegia.
- ❖ Selective antegrade and retrograde cerebral perfusion.
- ❖ Autologous retrograde priming.

CONFERENCES ATTENDED

- ❖ 1st Amrita Heart Valve Conclave 2015, Mitral Valve Repair at Amrita Institute of Medical Sciences, Kochi.
- ❖ 2nd Amrita Heart Valve Conclave 2016, Aortic Valve Repair at Amrita Institute of Medical Sciences, Kochi.
- ❖ SECT Kerala, Second Annual Conference Kochi 2016.
- ❖ 3rd Amrita Heart Conclave 2017, MICS CABG at Amrita Institute of Medical Sciences, Kochi.

IT SKILLS

- ❖ Working knowledge of Microsoft Office.

PERSONAL INTEREST

- ❖ Listening to music, travelling and reading

REFERENCES

1. Dr. Praveen Varma P K

Professor and HOD

Department of Cardiovascular and Thoracic Surgery

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2. Dr. G S Sunil

Clinical Professor

Paediatric Cardiovascular Surgeon

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3. Mr. Baburaj V D

Chief Perfusionist

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DECLARATION

I hereby declare that the above given information is true to the best of my knowledge and belief and can be supported by relevant certificates and documents.

HELAN THOMAS