



ELSA MARIAM THOMAS

Cardiac perfusionist

EDUCATION QUALIFICATION

2019-2023 Bachelor of science in cardiac perfusion technology

- Manipal College Of Health Professions ,Manipal, Karnataka ,India
- Passes with 70 %

2017-2019 Higher Secondary Education

- Mount Tabor High School , Pathanapuram , India
- Passed with 80%

2005-2017 Secondary Education

- Bethany Academy, Vennikulam ,India ICSC
- Passed with 75 %

PROFILE

Dedicated and highly motivated recent graduate with a Bachelors degree in cardiac perfusion. Passionate and dedicated learner with a strong desire to excel as a cardiac perfusionist. Combining academic coursework with hands-on training during a 1-year internship. Eager to develop a solid foundation in cardiovascular anatomy, physiology, and technical procedures. Possessing excellent attention to detail, problem-solving skills, and effective communication abilities.

WORK EXPERIENCE

August 2022- January 2023

Cardiac perfusion student intern
Manipal Hospital, Old Airport Road, Bangalore, Karnataka, India

February 2023-August 2023

Cardiac perfusion student intern
Kasturba Hospital, Manipal, Karnataka, India

CONTACT

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PINCODE
689615

Clinical Rotations:

During my academic program, I completed clinical rotations in various healthcare settings, gaining hands-on experience in cardiac perfusion techniques, patient monitoring, and collaboration with healthcare teams.

Key rotations included:

- 1. Cardiac Surgery Rotation** - Assisted perfusionists in setting up and operating cardiopulmonary bypass machines.
- Monitored patients' vital signs during cardiac surgeries. Participated in post-operative assessments and documentation.
- 2. Pediatric Cardiac Perfusion Rotation** - Provided perfusion support for pediatric patients undergoing cardiac surgeries. - Collaborated with pediatric cardiologists and nurses to ensure optimal patient care. - Managed the extracorporeal circulation during pediatric cases.
- 3. Cardiac ICU Rotation** - Worked in the cardiac intensive care unit, assisting with patient care post-surgery. - Monitored hemodynamic parameters and made adjustments as necessary. - Contributed to patient education on post-operative recovery.

PERSONAL DETAILS

Date of birth- 10/06/2000

Nationality- Indian

Marital certificate - Unmarried

Passport Detail- T4481456 valid through 04/02/2029

Language known - English, Malayalam, Tamil,Hindi

HOBBIES

Interest in singing ,dancing ,sports ,Proficient in playing ukulele ,passionate about inspiring others, mimicry ,handicraft and painting.

RELEVANT COURSE WORK

- Cardiovascular Anatomy and Physiology
- Cardiopulmonary Bypass Techniques
- Blood Conservation Strategies
- Intra-aortic Balloon Pump Insertion
- Extracorporeal Membrane Oxygenation (ECMO)
- Ventricular Assist Devices (VADs)

SKILLS

- Strong attention to detail and problem-solving abilities
- Excellent communication and interpersonal skills
- Proficient in operating heart-lung machines and related equipment
- Ability to work effectively in high-pressure environments.
- Passionate about continuous learning and professional development

CONFERENCE ATTENDANCE

Attended a conference organized by the Department of Cardiovascular and Thoracic Surgery, KMC, MAHE, Manipal, in association with the Indian Society of Thoracic Surgeons and Trust on 7th May 2023. The conference focused on exploring the complexity of plural effusion and pneumothorax, moving beyond basic plumbing, and also included a workshop on ECMO: a bridge to extended life support.

EQUIPMENTS HANDLED

- **Heart-Lung Machine:** Maquet HL 20, Sorin Stockert S5
- **Centrifugal Pumps :** Maquet Rotaflow
- **Oxygenators:** Nipro (Vital, Thymus), Sorin (Inspire 6/6F/8/8F, Dedico 101, Lilliput 901/902), Terumo (Capiox – RX05/FX05, RX15/FX15, RX25/FX25)
- **Arterial Filter:** PALL-AL-3, PALL-AL-6, Sorin (Dedico – 736, 733) >
- **Hemoconcentrator :** Infomed Pecopen (030, 080, 140), Spictra Hemoconcentrator, Nipro Elisis 15M Dialyser >
- **Cardioplegia Device:** Sorin CSC 14, Spictra MPS
- **Hemotherm:** Cincinnati Sub-Zero (CSZ), Maquet HCU 40, Sorin Stockert 3T
- **IABP:** AutoCAT2WAVE IABP, Datascope - CS100, CS300
- **Ventricular Assist Device:** Abott CentriMag

REFERENCE

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