

SUMMARY

Clinical Perfusionist with 9 years of extensive and diverse experience. Comprehensive knowledge of extracorporeal membrane oxygenation. Ensuring effective, accurate, and efficient procedural management. Highly skilled in collaborating with cross-functional teams to maintain cohesive operations, communicating patient status and updates to implement treatment modifications, as needed. Proven ability in maintaining analytical and critical thinking in high-stress environments to deliver high-quality patient care.

Areas of Expertise/Skills:

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| ▪ Cardiopulmonary Bypass | ▪ Communication skills | ▪ Cross-Functional Collaboration |
| ▪ Extracorporeal Membrane Oxygenation | ▪ Rapport-building skills | ▪ Strategic Planning & Analysis |
| ▪ ECMO Transport | ▪ Problem-solving skills | ▪ Communication & Reporting |
| ▪ Cardiohelp/Novalung/ECCO ₂ R | ▪ Organizational skills | ▪ Evidence-based Research |
| ▪ Heartmate II, III/Heartware/Impella | ▪ Critical thinking skills | ▪ Create inventory databases |
| ▪ Cathlab Standby (TAVR/TAVI) | ▪ Multitask simultaneous projects | ▪ Database entry |

Professional Experience

1. **Ministry of Health – Salman Al Dabbous Cardiac Center** • Kuwait • Nov 2011 – Sep 2018 (6 years, 10 months)

SENIOR PERFUSIONIST

- Customized circuits, operated and monitored continuously life-supporting devices related to extracorporeal circulation (ECMO, LVAD, IMPELLA)
- Supervised and oversaw the performance of devices and procedures in cardiac surgery
- Assisted nursing, respiratory and physiotherapy staff with ECMO, LVAD's, IABP's based on patient's needs
- Supported emergency retrieval of patients on ECMO from local hospitals by road
- Developed and updated policies, procedures, and quality assurance requirements
- Adapted training materials and simulators to develop high-performance teams
- Organized periodic evaluations and tests to maintain the working order and integrity of circuits
- Compiled and presented the patient's physiological status in medical databases as per departmental policy
- Followed established hospital infection control and safety procedures
- Capable of working as a team member to deliver a high level of patient care by exercising sound clinical judgment with a cooperative attitude
- Demonstrated a commitment to service, organization values, and professionalism through appropriate conduct and demeanour at all times
- Participated in the development and revision of policy and procedure, performance improvement, quality management, and staff education

Key Accomplishments:

- Led the **first solo air mission** in the Middle East by transporting an 11-year-old boy on **VA ECMO** to Ann & Robert H. Lurie Children's Hospital in Chicago
- Part of a **ten-member** team that successfully facilitated the first **Frozen Elephant Trunk** cardiac surgery
- Spearheaded a team of **5** that arranged and transported **SynCardia Total Artificial Heart**

2. **Ananthapuri Hospital and Research Center** • India • Nov 2008 – Jun 2011 (2 years, 10 months)

JUNIOR PERFUSIONIST

- Knowledgeable and proficient in the use of a wide variety of life support devices
- Performed necessary checks and tests to ensure the working order and integrity of the circuit
- Periodically withdrew blood from the CPB circuit for blood gas, chemistry, anticoagulation analysis
- Managed the patient parameters within the accepted safe ranges of established clinical practice
- Performed other procedures related to intraoperative activities involving extracorporeal assist or circulation
- Assembled the intraoperative cell saver autotransfusion equipment
- Understands autotransfusion (cell saver) technology and how to integrate it with the perfusion circuit
- Operated automatic autotransfusion equipment for the sterile collection and processing of shed blood
- Performed intra-aortic Balloon Pump console set-up, augmentation, timing, transportation, and troubleshooting
- Performed administration of Blood Products per Hospital Policy
- Assisted in the management of the inventory as it pertains to open heart and autotransfusion procedures
- Conducted periodic maintenance and calibration of various types of equipment
- Attended internal and external educational meeting
- Physical abilities to complete job duties and responsibilities under prescribed environmental and working conditions

Key Accomplishments:

1. Urgent medical care provided for the patient who **pulled out IABP** - applying pressure dressing until the surgeon arrived

Membership:

- American Society of Extracorporeal Technology (AMSECT)
- The Extracorporeal Life Support Organization (ELSO)

Online Courses:

- Infection Prevention and Control |2020|
- NHS Leadership in Healthcare Leadership Foundations |2021|
- Programming Python - Present

Education & Training

Master of Science in Translational Cardiovascular Medicine
UNIVERSITY OF BRISTOL | Bristol, United Kingdom | 2019
Bachelor of Science in Cardiovascular Perfusion
JAWAHARLAL NEHRU MEDICAL COLLEGE | India | 2007
