



# IQRA TUFAIL

## CARDIAC PERFUSIONIST

### CONTACT

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Lahore, Pakistan

Availability: Immediate

### EDUCATION

2014-2018

PUNJAB INSTITUTE OF CARDIOLOGY, LAHORE

- BS – Cardiac Perfusion Technology

2011-2013

GOVT. POST GRADUATE COLLEGE FOR WOMEN, LAHORE

- Intermediate (Pre-medical)

### CORE COMPETENCIES

- Cardiopulmonary Bypass (CPB)
- Heart-Lung Machine Operation
- Pediatric Perfusion Support
- ECMO (Trained)
- IABP Management
- Blood Gas Analysis
- Anticoagulation Monitoring
- Emergency Response
- Sterile Techniques & Infection Control
- EMR Documentation
- Quality & Safety Compliance
- Team-Based Patient Care

### PROFILE

Licensed and experienced Cardiac Perfusionist with 5+ years of clinical practice, over 300 cardiac procedures including pediatric and high-risk surgeries. Specialized in CPB, IABP, and ECMO operations. Strong track record of maintaining hemodynamic stability and patient safety in high-pressure surgical environments. Ready to contribute to high-standard, international cardiac care teams in the world.

### WORK EXPERIENCE

#### National Hospital & Medical Centre - Pakistan

Cardiac Perfusionist

Feb 2024 - Present

- Supported high-volume surgeries with ECMO and pediatric CPB procedures.
- Enhanced surgical readiness by developing circuit priming protocols.
- Collaborated in multidisciplinary cardiac teams with zero critical complications.

#### Jinnah Hospital - Lahore, Pakistan

Cardiac Perfusionist

Jan 2020 - Present

- Performed 300+ bypass surgeries and 100+ IABP procedures with high success rate.
- Contributed to mortality reduction and improved post-op outcomes through precise CPB management.
- Trained junior perfusionists and ensured compliance with ICU protocols.

#### Al Razi Medical Complex - Lahore, Pakistan

Cardiac Perfusionist

Jul 2022 - Oct 2022

- Delivered perfusion support for adult cardiac surgeries, ensuring hemodynamic stability.

#### Central Park Teaching Hospital - Lahore, Pakistan

Cardiac Perfusionist

Jan 2021 - July 2021

- Operated perfusion systems during 10 procedures, contributing to a 95% patient satisfaction score.

#### Central Park Teaching Hospital - Lahore, Pakistan

Assistant Cardiac Perfusionist

Oct 2019 - Dec 2020

- Assisted in cardiac bypass surgeries; ensured sterile technique and accurate gas analysis.

## CERTIFICATIONS & TRAININGS

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- ECMO Training - University of Health Sciences, Lahore
- Distinction in Biostatistics & Research (2018- University of Health Sciences, Lahore)
- Basic Life Support (BLS)
- Advance Cardiovascular Life Support (ACLS)

## FINAL YEAR PROJECT

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- Post operative blood loss in Normothermic vs hypothermic patients

## PROFESSIONAL AFFILIATIONS

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- Allied Health Professional Council Pakistan

## PROFESSIONAL EXPERIENCE

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- +5 Years

## LANGUAGES

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- English (Fluent)
- Urdu (Native)

## TECHNICAL SOFT SKILLS

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- Microsoft Word
- Microsoft Excel
- Microsoft PowerPoint

## ADDITIONAL INFORMATION

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- Currently doing data-flow verification
- Available for immediate relocation

### Punjab Institute of Cardiology - Lahore, Pakistan

Intern, Cardiac Perfusionist

Sep 2018 - Sep 2019

- Completed 50+ procedures under supervision; trained in circuit setup and oxygenation protocols.

## CORE RESPONSIBILITIES OF CARDIAC PERFUSIONIST

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### 1. Operate Heart-Lung Machine (Cardiopulmonary Bypass - CPB)

- Ensure proper priming, de-airing, and function of the perfusion circuit.

### 2. Monitor and Maintain Hemodynamic Stability

- Monitor blood pressure, arterial blood gases, electrolytes, hematocrit, and other critical parameters during surgery.

### 3. Manage Intra-Aortic Balloon Pump (IABP) and Other Mechanical Devices

- Operate IABP for circulatory support in critical cases.
- Support ECMO (Extracorporeal Membrane Oxygenation) if trained and applicable.

### 4. Assist During Cardiac and Thoracic Surgeries

- Collaborate with surgeons, anesthesiologists, and nurses during CABG, valve repair/replacement, congenital heart defect repair/ replacement, congenital heart defects repair etc.

### 5. Conduct Blood Gas and Laboratory Analyses

### 6. Prepare and Maintain Perfusion Equipment

- Ensure equipment functionality pre-op and post-op, and document all usage.

### 7. Document Clinical Activities

- Record perfusion data during and after surgery.

### 8. Participate in Emergency Response

- Be on standby for urgent or emergency cardiac cases.

### 9. Patient-Centered Care & Communication

- Maintain professional, compassionate communication with multidisciplinary teams.
- Stay updated with the latest perfusion technologies, safety protocols, and regional licensing requirements.
- Attend trainings, conferences, and simulation workshops (e.g., ECMO, advanced life support).

## REFERENCE

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Available on request

## LOGBOOK

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Available on request