

DR. MUHAMMAD DANIYAL ZEERAK

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Location: Lahore, Pakistan

PROFESSIONAL SUMMARY

A dedicated medical professional with international clinical experience across the UK and Pakistan. Proven expertise in Critical Patient Management and Anesthesia (Pakistan) and Trauma & Orthopedics within the NHS framework, complemented by extensive experience in Internal Medicine and COVID-19 ICU management. Certified in Advanced Life Support (ALS) by the Resuscitation Council UK. Committed to evidence-based practice, multidisciplinary collaboration, and delivering high-quality patient-centered care in fast-paced clinical environments.

WORK HISTORY

Medical Officer, Anesthesia, 6/2026 – Present

Liaquat National Hospital, Pakistan

- Perform comprehensive pre-operative assessments, risk stratification, and patient optimization for elective and emergency surgical cases.
- Conduct and manage general, regional (spinal, epidural, peripheral nerve blocks), and monitor anesthesia care across diverse surgical specialties.
- Deliver continuous physiological monitoring during surgery and lead the immediate resuscitation and management of intraoperative crises or unstable patients.
- Oversee patient recovery in the PACU, ensuring stable hemodynamics, airways, and the implementation of acute postoperative multi-modal pain management protocols.

Clinical Attachment, 11/2025 – 03/2026

East Cheshire NHS Trust, Macclesfield, United Kingdom

- Actively participated and assisted in complex trauma and orthopedic procedures, including arthroplasties and arthroscopies, under direct senior supervision.
- Actively participated in ward rounds, outpatient clinics, and Multi-Disciplinary Team (MDT) meetings to coordinate peri-operative care plans.
- Developed understanding of UK NHS clinical pathways, infection control protocols, and quality improvement initiatives.

Medical Officer, 09/2022 – 10/2022

Basharat Hospital, Sahiwal, Punjab, Pakistan

LICENCE

- PMDC NO. 713742-01-M
- IMC NO. 534339

CERTIFICATIONS

- **Advanced Life Support (ALS):** Certified by Resuscitation Council UK (Valid from 25/03/2026).
- **Pediatric Advanced Life Support (PALS):** Certified March 2023.

SKILLS

- Patient clerking & documentation
- Advanced Airway Management
- Advanced Life Support (ALS)
- Basic Life Support (BLS)
- Advanced ECG Interpretation
- IV cannulation, ABGs,
- Catheterization

PUBLICATION

“Gender-based comparison of cardiac risk factors in patients of Acute ST-Elevation Myocardial Infarction versus Post Thrombolytic ST-Segment Resolution” published in Pakistan Heart Journal.

“Effects of Bobath Approach with Core Stability to improve balance in Stroke”, published in Journal of Population Therapeutics & Clinical Pharmacology
DOI: 10.53555/jptcp.v31i8.7317

- Managed emergency triage and rapid stabilization of patients presenting with acute myocardial infarctions in CCU/ICU.
- Assisted surgeries and managed post-surgical patients.
- Participated in ongoing Executed and interpreted routine and emergency 12-lead ECGs to guide immediate, time-sensitive clinical protocols prior to consultant arrival.
- Actively participated in Code Blue responses, executing CPR, advanced life support protocols, monitoring complex hemodynamics, fluid balances, and cardiac enzyme trends.
- Routinely performed critical ward procedures including securing difficult intravenous access, drawing arterial blood gases (ABGs), and inserting central venous and Foley catheters.
- Maintained meticulous, legally compliant clinical documentation e.g., admission notes and discharge summaries.

House Officer, 08/2021 – 08/2022

Liaquat National Hospital, Karachi, Sindh, Pakistan

- **Surgery & Allied (6 months):** Intensive training in Orthopedics, Urology, and Anesthesia.
- **Medicine & Allied (6 months):** Intensive training in Nephrology, Neuromedicine, and Gastroenterology.
- **Critical Care:** Provided frontline medical service in the COVID-19 ICU, managing high-acuity respiratory cases within a collaborative physician team.

EDUCATION

- **MBBS, 04/2021**
Liaquat National Hospital - Karachi, Sindh, Pakistan
- **Intermediate, 03/2015**
Divisional Public School & College - Sahiwal, Punjab, Pakistan
- **Matriculation, 03/2012**
Divisional Model College - Faisalabad, Punjab, Pakistan

References are available upon request.

LEADERSHIP

- **Secretary** of the Undergraduate Research Society, Liaquat National Hospital (2017–2019).
- **Lead Organizer** for Research Expo 2018 and Research Expo 2019.