

Neelam Akbar

Lecturer, Pharmacy Practice

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Professional Summary

Dedicated **Lecturer in Pharmacy Practice** and **clinical pharmacist** with extensive experience in hospital pharmacy services, pharmacovigilance, antimicrobial stewardship, infection control education, and quality improvement initiatives. Proven ability to integrate clinical expertise with academic responsibilities, contribute to multidisciplinary healthcare teams, and enhance patient safety through evidence-based pharmaceutical care and continuous quality improvement.

Academic Qualifications

M.Phil in Pharmacy Practice

Quaid-e-Azam University, Islamabad

Doctor of Pharmacy (Pharm D)

University of Peshawar — 2020

Professional Experience

Lecturer, Pharmacy Practice

Department of Pharmaceutical Sciences, PAF–IAST, Mang (Haripur)

2025 – Present

- Deliver lectures and practical sessions in Pharmacy Practice.
- Serve as **Laboratory In-Charge**, ensuring effective lab management and student training.
- Member of the **Procurement Committee**, contributing to transparent and efficient resource allocation.
- Act as **Student Advisor**, providing academic and professional guidance.
- Participate actively in departmental academic and administrative activities.

Hospital Pharmacist

Bahria International Hospital – University Model Pharmacy

University Medical Complex, Sargodha, Pakistan

July 2022 – March 2025

- Dispensed medications and managed hospital pharmacy inventory and budgeting for multiple panels.
- Counseled patients on medication use, adherence, and optimization of therapy.
- Prepared **chemotherapeutic formulations** in accordance with safety and aseptic standards.
- Managed **crash carts**, including dosing and provision of emergency drugs.
- Processed prescriptions using pharmacy software and maintained accurate patient medical records.
- Led and coordinated the hospital's **Pharmacovigilance Program**, including:
 - Collection, assessment, and reporting of adverse drug reactions (ADRs)
 - Reporting and analysis of medication errors
- Core team member of the **Antimicrobial Resistance (AMR) Program**.
- Educator in the **Infection Control Team**, conducting staff training sessions.
- Served as **Lead of the Therapeutic Committee**, contributing to formulary decisions and rational drug use.

Hospital Pharmacist

Combined Military Hospital (CMH), Quetta

March 2020 – September 2020

- Conducted patient medication reviews focusing on drug interactions and appropriate dosing.
- Educated patients regarding medication use, side effects, and adherence.
- Managed **warehouse operations** and pharmaceutical inventory.
- Handled **narcotic control management** in compliance with regulatory standards.

Quality Improvement & Clinical Governance Experience

Continuous Quality Improvement (CQI) Team Member

- Contributed to the development and implementation of **Minimum Service Delivery Standards (MSDS)** for healthcare establishments.

- Participated in training sessions and workshops on clinical governance and quality assurance.
- Assisted in audits and assessments to evaluate compliance with MSDS.
- Collaborated with multidisciplinary teams to promote a culture of continuous quality improvement.

Clinical & Administrative Projects

- Collaborated with multidisciplinary teams to **redesign hospital crash carts**, improving usability and efficiency during emergencies.
- Conducted comprehensive audits to ensure compliance with safety protocols.
- Facilitated staff training sessions on updated crash cart protocols.
- Contributed to the development of standardized procedures for regular maintenance and inspection of emergency equipment.

Core Skills & Competencies

- Clinical Pharmacy & Patient Counseling
- Pharmacovigilance & Medication Safety
- Antimicrobial Stewardship & Infection Control
- Crash Cart & Emergency Drug Management
- Chemotherapy Preparation
- Hospital Pharmacy Operations & Inventory Management
- Teaching, Academic Advising & Laboratory Management
- Quality Assurance & Clinical Governance

Research Publications

1. **Khan, A., Akbar, N., Abbas, S., Mushtaq, S., Ahmad, N., & Khan, A.**
Assessing the Quality of Life in Hydrocephalic Children: A Study from Tertiary Care Hospitals in Pakistan.
Neuropediatrics, 55(6), 375–381 (2024).
 - Evaluated health-related quality of life outcomes in pediatric patients with hydrocephalus.
 - Provided evidence to inform clinical decision-making and quality improvement across healthcare facilities.