

Dr.PRASHANT SINGH

Consultant - Microbiology | MBBS, MD | Laboratory Medicine |

Dedicated MD in Microbiology, leveraging 16+ years of experience in general medicine, critical care, and cardiology to drive advancements in clinical microbiology and patient care. Passionate about applying diagnostic acumen and interdisciplinary knowledge to enhance disease management, infection control, and research-driven healthcare solutions.

 prashant50557@gmail.com  +91-09654328175  INDIA

PROFILE SNAPSHOT

- Accomplished Senior Resident in the Department of Microbiology with a strong academic and clinical foundation, combining 12 years of experience in General Medicine, Critical Care, and Cardiology.
- Proficient in advanced microbiological techniques, including PCR, ELISA, culture methodologies, and serological diagnostics.
- Experienced in managing and preventing hospital-acquired infections, antimicrobial resistance, and fungal infections.
- Published research papers and delivered impactful presentations at national conferences, contributing to advancements in microbiology and critical care.
- Adept at teaching and mentoring MD students, MBBS undergraduates, nursing staff, and laboratory technicians fostering knowledge in microbiological diagnostics and clinical practices.
- Committed to enhancing healthcare education through engaging teaching methods and hands-on laboratory training for medical and allied health students.

WORK EXPERIENCE

Senior Resident - Department of Microbiology. ABVIMS & DR.Ram Manohar Lohia Hospital

12/2021 - Present

NEW DELHI

Tasks

- Conduct advanced microbiological diagnostics, including PCR, ELISA, microscopy, culture techniques, and serological testing, to support clinical decision-making and patient care.
- Lead efforts in the identification, management, and prevention of hospital-acquired infections, with a focus on antimicrobial resistance and fungal infections.
- Supervise laboratory operations, ensuring adherence to quality standards, accurate reporting, and timely results delivery.
- Develop comprehensive teaching sessions for MD students, MBBS undergraduates, nursing staff, and laboratory technicians, focusing on, 1. Core microbiological concepts and diagnostic techniques. 2. Infection control protocols and antimicrobial stewardship. 3. Hands-on training in laboratory methods and equipment handling.
- Collaborate with multidisciplinary teams to enhance infection control practices and implement hospital-wide surveillance programs.
- Present findings and research outcomes in departmental meetings, conferences, and academic forums, contributing to the hospital's academic and clinical reputation.
- Stay updated with the latest advancements in microbiology and infectious diseases to incorporate evidence-based practices in teaching and diagnostics.

PROFESSIONAL LICENSE

Registered in Medical Council of
Delhi,India

AREAS OF EXPERTISE

Microbiology

ELISA

Laboratory Techniques

Microbial Culturing

Microscopic Analysis

Equipment Handling Research &
Reporting

Immunology

Serology

Sterilization Techniques

Microbiological Techniques

Laboratory Management

PCR

Infection Control

Healthcare Management

Research Methodology

Patient Care Management

Proficient in Media Preparation

Culture Techniques

Antimicrobial Resistance

Policy and Procedure
compliance

Equipment Maintenance

WORK EXPERIENCE

High Dependency Unit MAX Hospital

2015 - 2018

Shalimar Bagh

Tasks

- Provided comprehensive medical care to critically ill patients in the High Dependency Unit (HDU), ensuring timely diagnosis and treatment.
- Monitored and managed patients requiring advanced life support, including ventilator support, cardiac monitoring, and critical drug administration.
- Collaborated with multidisciplinary teams to develop and implement individualized care plans for patients with complex medical conditions.
- Performed emergency procedures such as intubation, central line placement, and arterial blood gas analysis to stabilize patients.
- Maintained accurate documentation of patient progress, treatment protocols, and critical incidents for effective case management.
- Trained and guided junior medical staff and nurses in critical care procedures, fostering a high standard of patient care.
- Conducted regular rounds to assess patient status, adjust treatment plans, and ensure continuity of care for critically ill patients.
- Assisted in the development and implementation of infection control protocols within the HDU to minimize hospital-acquired infections.
- Actively participated in morbidity and mortality reviews to identify areas for improvement and enhance patient safety outcomes.
- Provided counseling and support to patients' families, explaining complex medical conditions and treatment plans with empathy and clarity.

Nephrology - Junior Resident Institute of Liver and Biliary Sciences (ILBS)

05/2015 - 09/2015

NEW DELHI

Tasks

- Assisted in the diagnosis and management of patients with acute and chronic kidney conditions, including those with liver-related complications.
- Monitored patients undergoing dialysis and renal replacement therapies, ensuring timely interventions and addressing complications.
- Conducted pre- and post-procedural assessments for nephrology-related interventions, including renal biopsies and catheter placements.
- Counseled patients and families regarding renal health, dietary modifications, and treatment options.
- Participated in departmental case discussions and academic activities to enhance clinical knowledge and skills.
- Collaborated with multidisciplinary teams to provide holistic care for patients with complex nephron-hepatic conditions.

ITU Registrar B.P.Poddar Hospital

2013 - 2015

Kolkata

Tasks

- Managed critically ill patients in the Intensive Therapy Unit (ITU), ensuring timely interventions and optimal care delivery.
- Performed critical procedures such as intubation, central line insertion, and ventilator management to stabilize patients in life-threatening conditions.
- Ensured accurate documentation of clinical findings, treatment protocols, and patient outcomes for effective case management.
- Monitored and evaluated patient progress, adjusting treatment plans in collaboration with the multidisciplinary medical team.
- Provided support and guidance to nursing staff in the implementation of critical care protocols and emergency procedures.

CAREER GROWTH

Senior Resident - Department of Microbiology (2021 - Present)
ABVIMS & DR.Ram Manohar Lohia Hospital

High Dependency Unit
(2015 - 2018)
MAX Hospital

Nephrology - Junior Resident
(05/2015 - 09/2015)
Institute of Liver and Biliary Sciences (ILBS)

ITU Registrar (2013 - 2015)
B.P.Poddar Hospital

Medical Officer (2010 - 2015)
B.P.Poddar Hospital

Medical Officer (2011 - 2015)
India Govt.Mint,Kolkata. (A Unit of SPMCIL)

Medical Officer (2007 - 2009)
Pratihar Nursing Home,Kolkata

Junior Resident in Medicine
(05/2006 - 10/2006)
M.R.Bangur Hospital, Govt.of West Bengal

Junior Resident in Paediatrics
(2005 - 2006)
M.R.Bangur Hospital, Govt.of West Bengal

EDUCATION

M.D. (Microbiology)
Shaheed Hasan Khan
Mewati Government
Medical College

2021

M.B.B.S.
Nilaratan Sircar Medical
College & Hospital, Kolkata

2004

PRESENTATIONS

Prevalence and antimicrobial susceptibility pattern of *Pseudomonas aeruginosa* isolates in Pus samples. (2019)
Authors - Prashant singh, Pratibha Mane,Pooja Singla

Prevalence of Inducible Clindamycin Resistance in *Staphylococcus*: A Study from a Rural Teaching Tertiary Care Hospital in Southern Haryana. (2019)
Authors - Prashant singh, Pratibha Mane,Pooja Singla

WORK EXPERIENCE

Medical Officer B.P.Poddar Hospital

2010 - 2015

Kolkata

Tasks

- Provided comprehensive medical care to patients across various departments, diagnosing and treating a wide range of medical conditions.
- Monitored and managed patients in both inpatient and outpatient settings, ensuring appropriate follow-up care and treatment plans.
- Assisted in emergency medical services, responding promptly to acute cases and providing life-saving interventions as needed.
- Delivered patient education on health management, lifestyle modifications, and preventive care to enhance overall well-being.

PUBLICATIONS

National Journal of Laboratory Medicine

1. Prevalence and Antibigram of *Pseudomonas Aeruginosa* Isolated from Various Clinical Specimens: A Cross-sectional Study from a Rural Teaching Tertiary Care Hospital in Southern Haryana, India.

Author(s)

Prashant Singh, Pratibha Mane, Pooja Singla, Jyoti Sangwa

July, 2023

Infect Disord Drug Targets

2. Clinicomycological Profile and Risk Factors for Dermatophytosis at a Teaching Tertiary Care Centre in North India: A Cross-sectional Study.

Author(s)

Singla P, Garg S, Singh P, Sharma N, Mane P, Singh NK, Sharma S

2023

23(6):e280423216334

Journal of Clinical and Diagnostic Research.

3. Cutaneous Diphtheria by Nontoxigenic *Corynebacterium Diphtheriae* in Diabetic Patient: A Case Report.

Author(s)

Pratibha Mane, Pooja Singla, Prashant singh

Apr, 2021

Vol-15(4)

National Journal of Laboratory Medicine

4. Prevalence of Inducible Clindamycin Resistance in *Staphylococcus*: A Study from a Rural Teaching Tertiary Care Hospital in Southern Haryana.

Author(s)

Prashant singh, Pratibha Mane, Pooja Singla, Jyoti Sangwan

April 2021

Vol-10(2)

International journal of scientific research

5. Effectiveness Of Hand Hygiene In Reducing Bacterial Flora In Health Care Workers - A Study Of Impact.

Authors

Prashant singh, Pratibha Mane, Jyoti Sangwan

Oct,2020

Vol-9(10)

PRESENTATIONS

Role of Hand Hygiene in Reducing Bacterial flora on the hands of healthcare workers. (Poster) (2019)

Authors - Prashant singh, Pratibha Mane, Pooja Singla

ACADEMIC ACHIEVEMENTS

Workshop on Non-Culture Based Diagnosis of Fungal Infection. (11/2022)

Conference/Issuer of the certificate

- Organized by Indian Association of Medical Microbiologists, Delhi Chapter at ILBS, New Delhi.

National Research Conference-Cum-Workshop (01/2019)

Conference/Issuer of the certificate

- Attended by Physicians Research Foundation, New Delhi

Workshop on Microbial Identification and Drug Susceptibility (11/2019)

Conference/Issuer of the certificate

- Organized by Indian Association of Medical Microbiologists (MICROCON) at Sir H.N. Reliance Foundation and Research Centre, Mumbai.

CME on Antimicrobial Stewardship – Practical Approaches to Planning and Implementation. (11/2019)

Conference/Issuer of the certificate

- Organized by Indian Association of Medical Microbiologists (MICROCON), Seth G S Medical College & KEM Hospital, Mumbai.