



Aliya Munawer

Microbiologist
DHA License: 19468689
Visa Status: Residence

Career Objective

Seeking a challenging position where my education and practical experience will allow for personal growth and development while being resourceful to the organization.

Paramedical License

ACMB/REG/1220/18

Languages

English
Hindi
Malayalam

Contact Me

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Experience

Microbiologist

Mar 2020 – May 2022

Apollo Clinics, Kannur, Kerala, India

- Collect and prepare specimens and perform laboratory procedures used in the diagnosis, treatment, and prevention of disease.
- Identifying bacterial, fungal, parasitic and viral and infections.
- Using a variety of biochemical and molecular methods to determine organisms that cause infections.
- Performed highly complex tests on clinical specimens for diagnostic purposes. Accurately recorded and reported test results according to established procedures.
- Ensure compliance with government requirements, hospital policies, and laboratory procedures, including maintaining the cleanliness of lab equipment.
- Consistently commended for the timely, high-quality completion of both routine and special microbiology tests of patient specimens.
- Maintenance of automated and manual instruments including quality assurance, calibration, quality control interpretation, troubleshooting and validation.
- Demonstrated the ability to communicate test results effectively with physicians and nursing staff.
- Responsible for turnaround times and the communication to other departments.
- Managed workflow with the help and knowledge of laboratory procedure manuals and descriptions.
- Mentoring and support to the staff by conducting continuous training sessions.

Technical Proficiencies

- Isolation and identification of bacteria to the species level from clinical sample using conventional methods, VITEK 2 system.
- Antibiotic sensitivity testing of pathogen using conventional method MIC.
- Putting up and reporting E -test for MIC of pathogenic bacteria.
- Blood culture, conventional and by using BacT/ALERT system.
- AFB screening, culture and identification of Mycobacterium by using conventional and BACTEC method.
- Performed sterility testing and reporting of Operation theater and ICU.
- Performance and interpretation of VDRL slide flocculation test and RPR test.
- Latex agglutination test for the detection of Anti - streptolysin O (ASO) and CRP.
- Performed Widal test and Weil felix test.
- Performed Paul Bunnell test for the detection of infectious Mononucleosis.
- Familiar with different types of Enzyme Linked Fluorescent Assay (ELFA) and Chemiluminescence immunoassays (ECLIA and CLIA).
- Performed Anti-nuclear antibody (ANA) ELISA and ANA profile.
- Performed tease mount, KOH mount and slide culture.
- Identification and detection MIC of various yeasts using VITEK 2C system.
- Performed SARS COV-19 RT-PCR using Abbott POC PCR, Truenat Real Time PCR and Cepheid GeneXpert system.

Projects & Publications

Antimicrobial susceptibility trends among enteric fever isolates in Mangalore

- Presented the poster titled "Antimicrobial Susceptibility Trends Among Enteric Fever Isolates in Mangalore" in "Gut Microbiome, 2016. An International Perspective held from 21st to 22nd October 2016 organized by the Department of Microbiology & Enteric Diseases Division, Kasturba Medical College, Manipal.

Equipments Worked & Trained On

Microbiology & Serology

- Phoenix ID, VITEK 2 Compact
- Conventional methods
- BACT/ALERT 3D
- Mini VIDAS
- Vitros ECI & Vitros 4600
- BACTEC 9120 & BACTEC 9050

Molecular Biology

- Truenat Realtime PCR
- Cepheid GeneXpert System

Conferences, CMEs & Workshops

- **Central Nervous System Infection: An Update**
AJ Institute of Medical Sciences & Research Centre, Mangaluru, 13th April 2017
- **Laboratory Tests and Interpretation: The Crux of Blood Stream Infections**
Kasturba Medical College, Mangaluru on 25th February 2017
- **Tropical Medicine Update – 2016**
Kasturba Medical College, Mangaluru on 30th November 2016
- **Tuberculosis Updates – commemorating World TB Day**
Kasturba Medical College, Manipal on 12th March 2016
- **Post Graduate Orientation Program & Research Methodologies**
Kasturba Medical College, Mangaluru on 26th September 2015

Trainings Undertaken

Laboratory Quality Management System and Internal Audit as per ISO 15189:2012

- Certification Course conducted by Medical Education & Learning Point, New Delhi and Department of Biochemistry, Kasturba Medical College, Mangaluru (16th August to 19th August 2017)

Basic Virological Techniques

- Participation at Manipal Centre for virus research help from Sept 26th, 2016 to October 1st, 2016

Academics

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| • Masters in Medical Microbiology
Kasturba Medical College, Mangalore | 2015 – 2017 |
| • Bachelor's in Microbiology
SN College, Kannur | 2012 – 2015 |

Achievements

- Silver Medal in commemoration of XXXI IAMM National Conference MICROCON 2007 for Best Outgoing PG student in M.Sc. Microbiology, 2017.
- University Rank Holder, Kannur University, 2015