

DEPARTMENT OF MICROBIOLOGY

The Department has established Mycology laboratory in the year 2021. In the day to day functioning, the Microbiology Laboratory maintains high standards, good quality control and “turn-around-time”.

A total of 38,628 Microbiology investigations have been done between 1st January to 31st December 2021 by the Department. With regard to distribution among the various sections, the investigations done were as:

- Bacteriology- 10,726
- Clinical Microbiology Section- 3,299
- Molecular Microbiology- 6,616
- Mycobacteriology-288
- Mycology- 113
- Serology Section- 17,586

The laboratory regularly participates in External Quality and Assurance Schemes for different parameters and also performs environmental surveillance for the hospital. The Microbiology Department has started new tests in the scope of laboratory: Automated Identification and Sensitivity testing and Widal test for Typhoid.

Infection Prevention and Control:

The Department has been conducting regular infection control rounds in all the wards, OPDs, ICU and BMT of the hospital and training classes for the doctors, nurses and housekeeping staff about infection prevention and control practices to reduce healthcare associated infections. Regular in service classes is conducted for Nursing OICs twice in month for various hospital infection prevention and control practices.

The Department has been participating in Hospital Acquired Infection Surveillance Network (CLABSI, CAUTI) in collaboration with AIIMS, New Delhi, funded by CDC Atlanta, USA.

The Department has been contributing immensely ever since the commencement of COVID pandemic. Different infection control measures have been put in place and regular monitoring is being done. The Department is also involved in COVID-19 awareness for all the doctors, staff members and security personnel of the hospital. The Department has been participating in “IPC Capacity Building-Orientation Training for COVID-19 Preparedness and IPC for Healthcare Facilities” with AIIMS, New Delhi, Funded by Bill Melinda Gates Foundation, USA.

Bio-Medical Waste Management:

The Department also caters to the Bio-Medical Waste Management of the hospital. In light of the COVID pandemic, BMW management has also been adapted to the latest government guidelines. A total of 1,23,260 Kg Bio-Medical Waste was generated by the hospital during the calendar year 2021 of which 62,472 Kg was Yellow waste, 4,157 Kg was sharp waste, 7,832 Kg was Blue waste and 48,799 Kg was Red waste. Classes are held regularly for the health care workers and they are updated about the changes in the BMW guidelines.

Education:

Regular Seminars and Journal Clubs are held in the Department for doctors and the technical personnel. Two trainees have successfully completed training under the Short Term Training Certificate Course in the Department and the third candidate is currently undergoing training. Continuous Medical Education, trainings and workshops are also held to maintain an academic environment in the department.

Research:

The Department takes a keen interest in research activities and presently different projects are underway. The Microbiology department also undertakes different diagnostic challenges. The faculty, Senior Residents and technical personnel are involved in research and relevant publications are also being pursued.

Staff Members:

Assistant Professor	Dr. Rahul Jagannath Sarode Dr. Vijeta Bajpai Dr. Sujit Bharti
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