

CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF MEDICAL SCIENCES
CHAROTAR INSTITUTE OF PARAMEDICAL SCIENCES (A Constituent of CHARUSAT)
DEPARTMENT OF MEDICAL LABORATORY TECHNOLOGY

A Report on Three days workshop on Cell and Molecular Biology
At Akanksha Hospital, Anand
From 8th-10th March 2018

A workshop was organized by Akanksha Hospital & Research Institute from 8th march 2018 – 10th march 2018 which was attended by students of Department of Medical Laboratory Technology along with two faculty of Charotar Institute of Paramedical Science (CIPS), a constitute of CHARUSAT. The workshop was on “Cell and Molecular Biology” including “Embryology & Molecular Laboratory Techniques” for students to learn and have hands on trainings for the diagnostic techniques. The workshop basically aimed to teach students the basic technical aspects of molecular diagnostics and also how to deal with cell culturing. We were guided by Mr. Piyush Chudasama, molecular biologist and Khyati Patel, research assistant for the same.



The workshop summary:

1. The three day workshop was planned from 10:00 am - 4:00pm at Akanksha hospital.
2. First day the students were given lectures on cell and molecular biology where various techniques like PCR and next generation sequencing were explained in detail. Next class was on cell culturing technique where they taught us the different clinical aspects of culturing. Post lunch session included visits to various labs of the diagnostics like sequencing, embryology and culturing.
3. Second day the students were divided into two groups batch 1 & 2. Batch 1 were given hands on training for molecular technique DNA Isolation and RT-PCR where they tested tissues for Endometrial Tuberculosis while students of batch 2 were given a demo of cell culturing and monocyte isolation.
4. Last day batches were switched and the same techniques were taught.
5. At the end of workshop students were given certificate for the same signed by Dr. Naina as well as Dr. Harsha and Mr. Piyush.

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