



Directorate of Outcome
Outcome Report
Event/Activity Organized @ AUH

Event Type: Industrial Visit

Event Title: NRL of Dr. Lal Path Lab visit plan

Details of Speaker/Resource Person: Dr. Bhushan Narula (Assistant Vice President, Dr. Lal Path Labs) and Mrs. Nisha Tyagi (Sr. Demonstrator, CFE, Dr. Lal Path Labs)

Date: 21st September 2018

Venue: Block E, Sector 18, Rohini, New Delhi, Delhi 110085

Organized by: Department of Medical Laboratory Technology, Amity Medical School

Faculty Coordinator(s): Mr. Vikram Singh, Mr. A K Sah and Mr. R P Jayaswal

Participation: Students of -

1. BSc MLT [2016-2019]
2. MSc MLT [2017-2019]
3. BSc MLT [2017-2020]

Point wise highlights of the Event:

Histopathology Lab Visit:

1. Students observed working of histopathological instruments such as advanced digital pathology, cryostat, Rotoary microtome, Automatic tissue processor, Automatic H & E staining, Paraffin embedding (tissue tek), Grossing station
2. Students observed around 800 tissue samples and grossing of penis, rectum, and ulcerated leg.
3. Students learnt procedure of Fixation, Grossing, Tissue Processing, Embedding, Section cutting, Staining, immunohistochemistry, examination of tissue through digital microscopy
4. Students learnt preservation of tissue slides
5. Students learnt waste management of human biopsies

Coagulation Lab Visit:

1. Visit to Haematology Lab with special reference to Coagulation department.
2. Students observed Coagulometer equipment – Fully automated analyzer of Sysmex – Its Principle, working procedure and quality control and its application.
3. Students also get knowledge of PT, APTT, TT and other coagulation test principle, procedure and clinical significance.
4. Along with coagulation test, Students also get knowledge of Osmatic Fragility test, LE Cell and Thalassemia and its related test.
5. Students also get knowledge of Fluorescent Microscopy, HbA1C test and other automation used in hematology.

Clinical Biochemistry (Cancer marker) Lab visit:

1. Students understand principle, procedure, clinical application and technical error of CLIA and ELISA technique.
2. They can interpret the result of thyroid hormone (T₃, T₄ and TSH) and tumor marker.
3. They can demonstrate CLIA and eCLIA with its advantages and disadvantages.
4. Students are able to describe different types of instrument used for the measurement of hormones and tumor markers.
5. Students can define, classify the tumor markers, they can also interrupt results and can demonstrate the methods.

6. They were familiar with the Dr. Kamal Modi (Consultant Biochemist), technician of the laboratory and the instruments.

Outcome of the Event with Time Line (Proposed/Achieved)

(Provide suitable details wherever applicable)

1. Outcome related to Academia Connect		
a) Collaborations for Research Papers/Conference Papers/Book Chapter etc	Y/N	N
b) Collaborations & MOU for Research Guidance [PhD, PG & UG (summer training, Dissertation)] & Projects/Use of Instruments etc.	Y/N	MOU already available
c) Collaboration for Funded Projects.	Y/N	N
2. Outcome related to Industry Connect		
a) Placement	Y/N	Y
b) Collaborations for Research Papers	Y/N	N
c) Collaborations & MOU for Research Guidance [PhD, PG & UG (summer training, Dissertation)] & Projects/Use of Instruments.	Y/N	Y
d) Collaboration for Funded Projects.	Y/N	N
3. Outcome related to Society Outreach		
a) Benefit to society in terms of Health & hygiene	Y/N	Y
b) Benefit to society in terms of Education	Y/N	Y
4. Outcome related to Students Learning & Grooming		
<i>Students learnt flow of sample in the systematic way, working and use of instruments, management of working procedure, responsibility during work, safety and waste management.</i>		
5. Any other: NA		

Enclose event report along with glimpses of the event (Photographs)



Image-1: Students of BSc MLT observing the working and operation of advance instruments at NRL



Image-2: Students of BSc MLT attentively listening the demonstrator at NRL Rohini



Image-3: Students of BSc MLT and MSc MLT along with faculty of AUH and demonstrator of Dr Lal Path Labs



Image-4: Students of BSc MLT along with faculty of AUH and demonstrator/ Sr. Technician

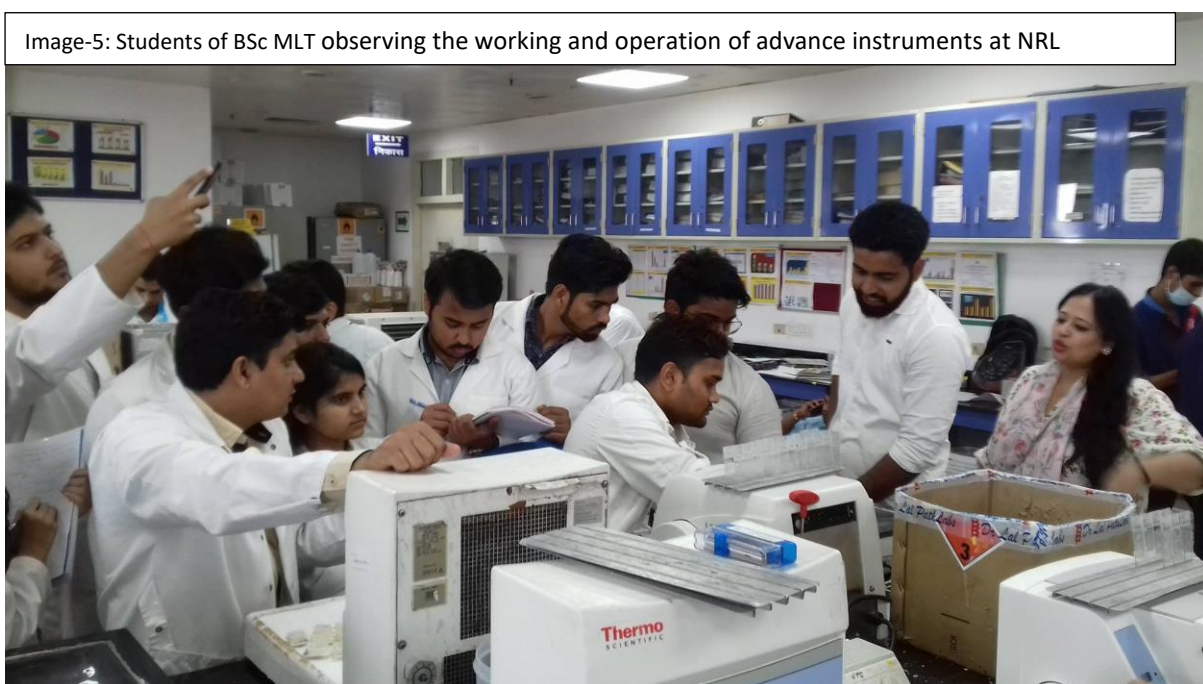


Image-5: Students of BSc MLT observing the working and operation of advance instruments at NRL