



अखिल भारतीय आयुर्विज्ञान संस्थान राजकोट, गुजरात
All India Institute of Medical Sciences, Rajkot, Gujarat
A Central Autonomous Body under PMSSY, MoH&FW
Government of India www.aiimsrajkot.edu.in

Department of Forensic Medicine & Toxicology

Visit of MBBS Students to Forensic Science Laboratory (FSL), Rajkot

Department of Forensic Medicine & Toxicology, AIIMS Rajkot had organized a visit of the Forensic Science Laboratory (FSL), for MBBS students.

Details of the visit:

Visit intended for: MBBS Students of 2nd PY (Batch 2021-22)
Date & Time: 30th October, 2023; 3:00 pm to 5:00 pm
Visit to: Regional Forensic Science Laboratory, University Road, Rajkot.
Accompanying staff: Dr. Utsav Parekh & Dr. Prashant Ratadiya

Objective of the visit: The objective of the visit was to sensitize the students about important aspects of integration between different divisions of the Forensic Science Laboratory.

Students were visited to the following divisions and a brief knowledge regarding each division was provided to them.

1. Documentation Division
2. Fingerprint Division
3. Physics Division
4. Toxicology & Prohibition Division
5. Biology & Serology Division
6. Chemistry Division

1. Documentation Division:

It works in cases of forgery in documents such as VISA, Cheque, property Papers, MOU, wills, Passport and investigations into other documents such as Suicide notes, Currency Notes. etc.

2. Fingerprint Division:

This division mainly works on the acquaintance and analysis of fingerprints of accused and suspect of crime. Students were shown various records of the fingerprints. The procedure of analysis was explained to them. Also, a knowledge on the national software of fingerprints was provided.

3. Physics Division:

In the physics division, the main area of work in medico-legal field is to analyse the tensile strength of the ligature material in case of hanging. The students were introduced to equipment that ensures the limit of the material to bare weight so that it can be further helped in judiciary process.

4. Toxicology & Prohibition Division:

In this division, students were demonstrated various type of poisons and chemicals which are harmful to human life. Equipments for Gas Chromatography, Mass Spectroscopy (GC-MS) and analytical toxicology were demonstrated. In Prohibition division, the procedure was explained to them for detection of alcohol in blood samples.



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5. Biology & Serology Division:

This division mainly conducts the tests like presence of blood on the evidences; and detection of semen in case of sexual assaults. A practical test was demonstrated to the students to bring clarity about reagents used for detection of semen and blood.

6. Chemistry Division:

The chemistry division is one of the most important divisions in forensic laboratory as it deals with all kind of chemicals and substances.

Students were provided opportunities to interact and ask queries to the forensic scientists. Overall, the students were sensitized about integration between Forensic Medicine, Forensic Science, and Analytical Toxicology.

Glimpses of the visit





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