

Report on Food and Drug Laboratory visit, Vadodara

The educational trip was held by Maliba Pharmacy College on 16th March 2017 at Food & Drug laboratory, Vadodara. All in all there were 54 students of final year B Pharm and M Pharm who actively participated in the visit which was successfully coordinated by Mr. Vivek Patel and Mr. Praful Dedhiya.



We started our journey from 5:30 AM from Surat and reached our destination at 11:30 AM. To begin with, there was a brief introductory session by a senior scientist in which the main functioning, importance and its governing rules were explained regarding its establishment & need. Then to make the trip more fruitful students were divided in a group of two & the respective groups were allotted with the members of the laboratory. The whole Food and drug laboratory was parted in two main sections: Drug section & Food section.



Drug section is further divided into the different departments such as Pharmaceutical Analysis & Chemistry, Pharmacology, Immunology. In Pharmaceutical Analysis & Chemistry, different instrumental knowledge regarding Dissolution apparatus, HPLC, UV Spectrometry, FTIR was given. Our minds were enlightened with knowledge and many upcoming doubts were solved. Furthermore we went to Immunology division where we gained knowledge about Sterility testing, Vitamin & Antibiotic assay, Microorganisms limit test and some instruments like Zone Reader for Antibiotics, Centrifugal machine & anaerobic work station. Proved to be an interesting session. In Pharmacology part Bacterial Endotoxin

Test Room was shown & detailed explanation on LAL Test was given. Animal house was also maintained in which Rabbits, Guinea Pigs & mice were kept in different rooms.



The food section was very interesting as they explained to us about how important it is to check the authenticity of food, to assure the contents mentioned in the claimed label and how adulteration can be detected. Within it there was also a Cognosy division in which herbal formulations were checked and reviewed. It also consisted of a surgical division in which checking & analysis of Gauze, cotton, bandages, band-aids were shown.

We were lucky to be given a chance to visit the Food and drug laboratory and to take a personal view closely. Staff was very friendly and supportive. One to one interaction with the experienced analysts solved all our doubts and the trip proved to be quite fruitful, worthy, very accomplishing & informative for students. Students really enjoyed a lot.



By Shelwyn Saldanha, B.Pharm (2013-17)