

**PRACTICAL TRAINING IN PHARMACEUTICAL CHEMISTRY
IN PHARMACY IN LEBANON**

*El Moussalem Zahraa, assoc.prof. Burian G.O., assoc.prof. Abu Shark A.I.
Pharmaceutical chemistry department*

Actuality Quality control of medicinal substances is integral to all modern industrial processes and the pharmaceutical industry is no exception. Testing a pharmaceutical product involves chemical, physical and sometimes microbiological analysis. To a larger extent than in many industries the quality control of pharmaceuticals has become very important and has driven the development of analytical techniques, particularly chromatographic techniques. The purpose of pharmaceutical chemistry practice course is to discover the world of synergism between knowledge and business, a maximum observation sequence, based on detailed articles in the general provisions of the internship agreement.

With the advent of newer drug molecules either partially synthesized, totally synthesized or isolated from naturally occurring microbial and plant products it has become absolutely necessary to ascertain and examine critically their physical characteristics, chemical equivalence, chemical impurities and their prescribed limits, degradation of products, metabolites and above all their biological features.

Practice in pharmaceutical chemistry gives chances to understand main idea of the whole process started from creation of molecule with probable biological activity and finished with satisfying needs of patient. All this process involves constant process of supervision under quality on each step and stage.

Material and methods Pharmacists and technicians use machines and instruments to help them manage their workload. Familiarizing with these instruments can help to become more knowledgeable, more efficient and more accurate.

Within the pharmacy, the pharmacist can monitor medication patient, replace a brand name drug (called active substance) by a generic, adjust dosages, renew pathologies treatment chronic and propose changes in therapeutic agreement with the doctor. A dialogue between these two professionals health is essential to public health. The pharmacy sells drugs for patients and various hygiene products. Pharmacists also give advices to clients and explain their orders (prescriptions). The pharmacist is also responsible for accounting, controls, etc.

This internship allowed me to discover trades and the world of work. At the end of it we have a report of the internship. Localization of place of practice was conducted by an agreement between the National University of Pharmacy and welcoming pharmacy (Pharmacy Layal) located in Lebanon. The agree-

ment is like a contract where schedules are marked, for example: Pharmacists, student must sign and also the establishment in Kharkiv.

There were 4 pharmacists and 6 certified technicians. Our fully staffed pharmacy is equipped to devote the time necessary to fill your prescription accurately. Supervisors constantly strive to improve our pharmacy's workflow and minimize errors. Our pharmacy utilizes the latest innovations in automation and technology to ensure that patients receive the best care possible.

Activity time is all about the work in the working place and connection with customers and patients.

To respect our patients' time we all lead busy lives and Pharmacy Layal understands the importance of dispensing prescriptions in a timely manner. The majority of our prescriptions are prepared within 10-15 minutes. We offer convenient and quick drive-thru service also.

I watched how it was orders or prescriptions, asked about medications and their uses; observed how computer checked stock. I also took part in classifying drugs, selling hospital equipment.

Conclusion

During practice in pharmaceutical analysis all the theoretical knowledge in pharmaceutical chemistry was realized into real application and the importance of obtaining of practical skills was proved. The main purpose of practice in pharmaceutical analysis is to introduce a future specialist with his place of work and with his obligations and responsibilities, because the pharmacist is a person of great responsibility of the people's health.

I learned how to operate a pharmacy, how to order and to read a prescriptions, how to watch the certificate of quality for drugs while receiving a new drug, and also terms and conditions about storage, especially for kids and medicines and injections.

For me this internship or practical training was very positive and benefic, it allows me to form an opinion about different trade of my career choices. If I had to start it again I would do the same choice because of trades that I know it is the closest and most accessible to me.

During practice I got skills recognizes that the care of a patient involves more than just pills. We offer enhanced services such as immunizations, wellness screenings, compounded prescriptions, and diabetes care.

References

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