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MY PRACTICE IN PHARMACEUTICAL CHEISTRY IN HANANE PHARMACY (FEZ, MOCCO)

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Relevance. This past summer, I had a unique opportunity to learn outside of my usual educational environments by working at a community pharmacy where you increase professionalism while acquiring technical skills.

Main material. One of the best amusing things I got to experience are pharmacy projects: assisted and participated in several conferences and meetings discussing progress made to date and future of the health sector in Morocco, creating a survey consisting of pharmacists and doctors intended to educate the youth, updating process workflows and even improving communication between pharmacists and their assistants. It was a great way to be challenged as a pharmacy intern.

I became familiar with the patient care equipment used in the pharmacy such as the blood pressure measuring device, the blood glucose meter as well as the laboratory equipment when compounding drugs such as the dilution of mercurochrome (topical antiseptic), Povidone-iodine (PVP-I) also known as iodopovidone solution, Dalibour water (used for eczema; composition: copper sulfate 0.15g + zinc sulfate 0.3 + purified water 5g + codexial cream modified 100g), some essential oils dilution and some ointments like glycerole with codexial non greasy(for psoriasis, composition: glycerol codexial 5g + codexial non greasy qsp 50g) or colloidal silver with codexial cerat de galien modified (for hemorrhoids and rifts; composition: colloidal silver 15g + purified water 15g + codexial cerat de galien modified qsp 100g).

The pharmacist is responsible for compounding preparations of acceptable strength, quality, and purity, with appropriate packaging and labeling in accordance with good pharmacy practices, official standards, and current scientific principles.

General steps in the compounding process that must be followed:

Preparatory:

1. Judging the suitability of the prescription in terms of its safety and intended use and the dose for the patient.
2. Performing the calculations to determine the quantities of the ingredients needed.
3. Selecting the proper equipment and making sure it is clean.
4. Donning the proper attire and washing hands.
5. Cleaning the compounding area and the equipment, if necessary.
6. Assembling all the necessary materials and ingredients to compound and package the prescription.

Compounding:

7. Compounding the prescription according to the formulary record or the prescription, using techniques according to the art and science of pharmacy.

Final Check:

8. Organoleptic control checking the adequacy of mixing, clarity, odor, color, consistency, and pH.
9. Physical control: checking of volume or mass variation.
10. Entering the information in the compounding log.
11. Labeling the prescription.

Sign-Off:

12. Signing and dating the prescription, affirming that all of the indicated procedures were carried out.

Cleanup:

13. Cleaning and storing all equipment.
14. Cleaning the compounding area.

Conclusions. My internship experience has been exceptionally rewarding, learning the safe, effective and efficient use of medicines as well as developing my skills in pharmaceutical chemistry and pharmacy services.

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