



Ministry of Health & Population
Egypt

Pharmaceutical Sector Reform Program HSRP

Pharmaceutical Training Program in collaboration with Europe Aid

Identification Number: EuroAid/121454/D/SV/EG

Program Specifications

Program 4: Drug Dispensing Procedures & Application Problems

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1. General Objectives

To furnish participants with up-to-date knowledge about dispensing medicines; according to the Egyptian standards. The program emphasizes demographic dispensing related health problems. The program aims at presenting general scientific aspects of drug dispensing. The program correlates between International and Egyptian dispensing procedures. Furthermore, the program aims at identifying legal and environmental aspects of medicines dispensing. Moreover, the program aims at revealing main practical problems in drugs and medicines dispensary.

2. Intended Learning Outcomes (ILOs) of the program

2.1. Knowledge/Understanding

By the end of this program the trainee should be able to demonstrate understanding of:

- 2.1.1. Dispensing legal framework.
- 2.1.2. International and Egyptian dispensary procedures and scientific basis.

2.2. Intellectual Skills

By the end of this program the trainee should be able to:

- 2.2.1. Evaluate drug orders for competency and accuracy.
- 2.2.2. Categorize and perform appropriate generic substitution.

2.3. Professional and Practical Skills

By the end of this program the trainee should be able to:

- 2.3.1. Compound different types of pharmaceutical preparations.
- 2.3.2. Monitor and evaluate drug doses, patients' compliance to medicines.
- 2.3.3. Present reliable evidence on specific practice.

2.4. Transferable Skills

By the end of this program the trainee should be able to:

- 2.4.1. Identify and/or carryout efficient drug dispensing techniques.
- 2.4.2. Counsel with patients and figure out treatment plans.
- 2.4.3. Search and obtain drug information needed to aid health-care professionals as well as support evidences.

3. Program Contents

Topic

- 3.1. Restructuring Strategies of the Pharmaceutical Sector as Part of the Health Sector Reform.
 - 3.1.1. Functional Restructuring and its Rationale
- 3.2. Introduction to Pharmaceutical Dispensing Science
 - 3.2.1. Community.
 - 3.2.1. Hospital.
 - 3.2.1. Ambulatory and emergency.
- 3.3. Egyptian Medicines Dispensary System and Key Stakeholders.
- 3.4. Prescription orders.
- 3.5. Practical Aspects of the Various Laws and Acts of the Profession of Pharmacy.
- 3.6. Complaints, drug recalls, and drug shortages.
- 3.7. Drug information.
 - 3.7.1. Computerization.
 - 3.7.2. Information sources.
 - 3.7.3. Evidence based practices.
- 3.8. Packaging, storage, and shelf life.
- 3.9. Introduction to Pharmaceutical care.
- 3.10. Safe use of medications.
- 3.11. Pharmaco-economic aspects.
- 3.12. Continuing education, organized, and self-managed programs.

4. Training and Learning Methods

- 4.1. Interactive training including mini-lecture, brainstorming, case study, role-plays, open discussion, and presentations delivered by qualified expert trainers
- 4.2. Small group work
- 4.3. Homework exercises including preparation of presentation material
- 4.4. External readings
- 4.5. Detailed trainees handouts

5. Assessment/Indicators

- 5.1. Class and group participation (25%).
- 5.2. Presentation and open discussion exercises (30 %).
- 5.3. On time delivered homework (20 %).
- 5.4. Pre vs. post tests (25 %).

6. Target Groups

- 6.1. Pharmacists.
- 6.2. Inspectors.
- 6.3. Drug Researchers.

7. Number of Participants

Twenty Participants

8. Duration

10 Days (50 Hours)

9. References

WHO medicines bookshelf version 4.0 – 2004.