Alexandria University

Faculty of Pharmacy

Alexandria Scientific Pharmaceutical Students' Association

**ASPSA,**

"Pharmacy Education Committee and Public Health Committee"

**ASPSA Diabetes Mellitus Campaign**

**15th – 16**th **November 2008**

Pharmacy students' awareness of diabetes etiology, symptoms, complications & management is a must. In this campaign ASPSA tries to reach this goal.

**Suggested Topics:**

**The First day will handle the nature of the disease:**

**1 – Opening ceremony** with a word by International Diabetes Federation "IDF" and World Health Organization "WHO" representatives discussing: the history of the disease and the incidence and prevalence of the disease and the role of the organizations in improving diabetics' life quality.

**2 –** **Pharmacological aspects of DM including:**

**Generally**: the types, etiology, symptoms & treatment of diabetes.

**3 – Recent biochemical investigation of DM including:** different types of biochemical tests wish are of importance in diagnosis & control of DM, and types of glucometers.

**4 – Student activity in:**

 **\* Complication of DM,** especially Diabetic foot care and prevention of its amputation.

 \* **Diabetes in children** specially etiology & treatment of juvenile diabetes, psychology of diabetic children.

**The Second Day will handle the therapeutic lines of DM and pharmacist's role in management of the disease:**

**1 – Over view of therapeutic strategies of DM** **"conventional therapeutics"**

. Nutrition management and Exercise.

. Insulin therapy in brief.

**2 -** **New Modalities in DM Therapy:**

. Islets transplantation.

. Gene therapy.

. Stem cell treatment of Diabetes Mellitus type I&II.

**3- Some models for "New Medications and Formulations" in the pharmaceutical market for the treatment of DM.**

**4- Role of Herbal supplements in management of DM.**

**5 – Pharmacist role in management of DM discussing** the methods of giving right information about the disease to the patients & how to ensure their compliance.

**6 – Student activity in:**

 \* **Insulin therapy** different routes of insulin administration such as **oral insulin, insulin inhalers, nasal insulin & insulin pumps**, the challenge facing the application of these routes of administration & the strategies to handle challengers will be discussed.

  **\* How to counsel diabetic patients?**  Introducing the role played in pharmacy by pharmacist & some clinical cases will be discussed.

**Campaign duration:**

Total 12 hours / 2 days

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Scientific: 9 hours.

Student activity: 5 hours.

**Student activity topics :**

**1 – complications of DM :**

- microvascular .

- macrovascular .

- special care for foot care and glaucoma .

**2 – Diabetes in children :**

- etiology .

- treatment of juvenile diabetes .

- special care of psychology of diabetic children and counseling of the parents .

**3 – Insulin therapy :**

-oral insulin.

- nasal insulin.

- insulin inhalers.

- insulin pumps and pens .

- special care for the challenge facing the application of these routes of administration.

- brand and generic pharmaceutical products in the market .

**4 – How to counsel diabetic patient :**

-what is patient counseling .

- importance of counseling and compliance .

- pharmacist role in diabetic counseling .

- some clinical cases and play showing diabetic counseling to audience .

**In closing ceremony there will be:**

Presents for the best presenter of the campaign.

Declaration and some Recommendations.

This campaign will be ASPSA first scientific event in this academic year 2008-2009 & many other events will be held also because ASPSA feels the responsibility towards pharmacy students & tries in all ways to improve their scientific level.

Pharmacy Education Committee Chairperson:

Basma El-Nagger.

Public Health Committee Chairman:

Mohamed Ali.