

3.4. Students' community Projects in the Field of Health

3.4.1. *The faculty Pharmacy and Pharmaceutical Manufacturing* Project "Assessment of community awareness of the rotational use of analgesics"

The project aims at assessing the patient awareness about the hazards of irrational use of NSIADs and narcotic analgesics and to evaluate patient counseling provided by Alexandrian pharmacists, cover the demographic data of the sample of patients participating in the project, and make a survey for analgesic drugs present in the Egyptian retail pharmacies, social habits and medical history. The project was designed to address the following points concerning analgesic drugs: (a) The incidence and trends of clinical use of different analgesics in the Egyptian drug market, (b) Reported ADR based on patient' and pharmacist' questionnaires. Based on the results of obtained data, students designed and distributed informative brochures among patients to raise the community awareness towards the proper use of analgesics and their possible side effects. In addition, they designed and distributed brochures for pharmacists to remind them by the hazards of irrational use of analgesics and the necessity to inform their patients about that.

3.4.2. *The faculty of Allied Medical Sciences* Project "impact of occupational exposure to inducers of met hemoglobin on Red Blood cells".

The project aim is to determine the impact of occupational exposure to certain inducers of methemoglobin on red blood cells normal hemoglobin. The project team concluded that occupational hazards in an emergency department will remain an important topic that needs to be faced in the future, causes of Met HB can be congenital or acquired (from exposure to chemicals), and awareness of the condition and the importance of prevention will avoid cases being missed & reduce morbidity and mortality. The project team addressing two industrial companies recommended the Identification and control of hazards are the proper approach to preventing occupational hazards, Investigation of the workplace factors that may contribute to over exposure to the causative chemical, Total isolation of the entire industrial operating process and a general cleanliness of the industrial environment, and Periodic educational programs for workers about personal protection & health education, sanitary surveillance, and environmental control of toxic chemicals in the neighborhood .

The faculty also is involved in 4 community service projects; (1) Support of Information Technology and knowledge to serve issues of Reproductive Health, family planning and Nutrition in Eastern Alexandria . Study Area: slum areas. This project is carried out in cooperation with the Directorate of Health in Alexandria Ministry of Health and the Institute of Cultural Heritage. (2) Live it in the Correct Way initiative. Its goal is to spread the awareness among youth and students about obesity,. (3) awareness project on public health in Abou Humous Province. The objective of this project is to enhance the nutrition and general health conditions of women in Rural areas of Abou Humous village – Beheria Governorate- Ministry of health. The project targets women of moderate education and women of community cadr in Beheria Governorate among both reproductive age and girls of school age group. This project is carried out in cooperation with Social Solidarity Directorate Ministry of Social Affairs and the Education Directorate - Ministry of Education. And (4) Together for a Better Life. This project aims at supporting the nutritional and health conditions in 30 school students. The project is carried out in cooperation with the Education Directorate in Alexandria - Ministry of Education

3.4.3. *The faculty of Dentistry* Project "Perceived dental health seeking behavior among a group of adult population in Alexandria-Egypt in Beheria Governorate"

The aim of the project is to Identify causes of patients delay in seeking dental treatment, and Increase awareness among adult patients in Alexandria city. The project recommended Launch an awareness campaign on the importance of early seeking dental treatment, Put into place the most possible solutions to ensure the expansion population can access care, Communicate with the various institutions that provide oral and dental services such as the Ministry of Health and Health Insurance to join efforts to improve the preventive and curative service and health education to reach the highest level of health service, and to start the awareness of children, to avoid access to that deteriorating state of oral health.

More projects for community service projects in the *Faculty of dentistry* are listed below:

1. Evaluation of patient perception of pain after gingivectomy.
2. Oral health assessment of pediatric cancer.
3. Evaluating the role of dental behavior on oral health inequalities in Alexandria, Egypt.
4. Dental Knowledge among Dental technicians in Alexandria.
5. Are nursing Faculty Graduates Qualified as dental clinics supervisions.
6. Effect of Natural and chemical disinfection on quality of dental unit water Lines (DUWLs).
7. Oral health knowledge, attitude and behavior among industrial workers in Alexandria.
8. Pre & post HE assessment of KAP towards infection control and prevention among Health care workers in Alexandria, Egypt 2018.
9. HIV/AIDS knowledge and attitude among university students Alexandria, Egypt 2018-2019.
10. Antibody levels and protection after HB vaccine results of a follow-up study and response to a booster dose.
11. Patients' satisfaction with dental care in different dental health care facilities in Alexandria.
12. Epidemiology Of delay in seeking dental care in Alexandria 2018.
13. Epidemiology of oral health problems among pregnant females, 3rd trimester.
14. KA towards periodontal health among adults in Alexandria.
15. Assessment of knowledge, skills and attitude of dentists towards special needs patients.

3.4.4. *The faculty of Physical Therapy* Project: "Effect of desk works on the head and neck".

The idea was formed to introduce a questionnaire that collect the essential data of a sample of people who their jobs depend on desk works, and to record the degrees of pain, referred pain, neck stiffness and other signs and symptoms that are manifested at that large category in the community.

3.4.5. *The Faculty of Tourism and Hotel Management* Project "Towards healthy food sustainability at Pharos University campus in Alexandria)"

The project aimed at reaching the actual percentage of good food safety practices during food handling operations on campus outlets, Identify the strengths and weaknesses of employees related to their actual practice of food handling, Achieve sustainable healthy conditions for food preparation and production at food and beverage outlets and Develop a guide video to demonstrate the proper food handling. The project team used the literature review of food safety, which revealed that a significant and urgent concern of food safety in food court in university campus across worldwide. To Achieve high levels of food safety during food and beverage handling

in Food and beverage outlets of University campus to ensure the sustainability of the service quality.