



# Annual Report

By

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**Director**

of

Center for Research and Development  
in medical education and health services  
**(CRD)**

Faculty of Medicine,  
Suez Canal University  
**(FOM-SCU)**

**From January 2005  
to December 2005**

**Annual Report**  
**From January 2005 to December 2005**

**Title of the center:** The Center for Research and Development In Medical Education and Health Services (**CRD**) Faculty of Medicine, Suez Canal University (**FOM-SCU**)

**Institution name:** Faculty of Medicine, Suez Canal University

**Exact name of the center which acts as WHO collaborating center:** **CRD**

**City and country of location:** Ismailia, Egypt

**Terms of References**

To support research in the field of Medical Education

To supervise health systems research and develop collaborative activities with health authorities and professional associations accordingly. This will be accomplished locally. It will also be promoted nationally and internationally.

To promote community-oriented and community-based medical education as well as problem-based learning approaches in countries of the Eastern Mediterranean Region.

To act as a regional resource for health personnel in the community-oriented and problem-based learning approaches.

To train health personnel in the field of management and leadership, student assessment, program evaluation and other topics in medical education field nationally, regionally & internationally.

☞ **This report is written according to the recent WHO re-designation format**

# 1

## IMPLEMENTATION OF THE WORK PLAN

Work performed in relation to the terms of reference

### I- RESEARCH

#### 1- Researches done by CRD members

##### *1.1- Establishment of an internal quality assurance system Funded by QAAP*

###### Main goal of the project

The ultimate goal is to develop an internal quality assurance system, at the FOM/SCU. This assures a totality of systems, resources and information that are devoted to maintaining and improving of the quality and standards of teaching scholarship and research, and of students learning experience.

A self study was conducted as an important step on the way for establishing a management and monitoring system for an ongoing quality assurance in FOM/SCU. A group of reviewer WHO peer visited the faculty on 13/12/2005 and reviewed the self study results.

###### Management team,

*Prof. Somaya Hosny (Principal investigator) , Prof. Mohamed El-Kalioby, Prof. Adel Mishriky, Prof. Ahmed El-Gohary, Dr. Hassan El-Shatory, Dr. Maha Rashwan & Dr. Nehal Khamis*

###### Self study team

*Prof. Mohamed Sheir, Prof. Somaya Hosny, Prof. Mohamed El-Kalioby, Prof. Adel Mishriky, Dr. Hassan El-Shatory, Dr. Maha Rashwan & Dr. Nehal Khamis*

##### *1.2- Introducing computer-assisted training sessions in the clinical skills lab, Faculty of Medicine, Suez Canal University. Higher Education Enhancement Project Fund (HEEPF)*

###### Objectives

- Development of standardized audiovisual aids for the clinical skills lab.
- Finalization of the educational computer-assisted materials.

- Implementation of the new teaching methodology on one batch of students.
- Evaluation of the program outcome and impact on students' learning.

Management team,

*Prof. Somaya Hosny(Principal investigator), Prof. Adel Mishriky, Dr. Tarek Fouad, Dr. Hassan El-Shatory, Dr. Mohamed Hefny & Dr. Mirella Youssef, Hoida Ismail & Abeer Abdel Rahman*

*1.3- Refaat A: Introducing Female Genital Cutting into Medical Education in Egypt. Newsletter, The Network: Towards Unity for Health, Volume 24, number 02, December 2005*

**2- Students' researches supervised by CRD members**

1. A mini project on "Relation between obesity and infertility" by Sarah kamal Ibrahim Supervisor: Prof. Sobhi Ahmed
2. Descriptive cross sectional study for assessment of the prevalence of vertigo among diabetic patients following up in Suez Canal University hospital in Ismailia by Ahmed Mohamed Mossad  
Supervisor: Prof. Sobhi Ahmed
3. Self treatment of hypoglycemia while driving and how to prevent it by Amira Mohamed Ibrahim Supervisor: Prof. Sobhi Ahmed
4. Mini project on "stress among female medical science students in the university hospital in Suez Canal university in comparison with those not in the hostel" by Reem Zakaria Ahmed Supervisor: Prof. Adel Mishriky
5. Mini project, "Assessment of visual acuity among female sewing workers in ready made garments factory" by Ahmed Mohamed Abd El-Rahman  
Supervisor: Prof. Adel Mishriky
6. Research on corporal punishment "Effects of exposure to corporal punishment & its witnessing on secondary education" by Amira Sayed Ghareeb Supervisor: Prof. Youssef Waheeb
7. A study for assessment of frequency of exposure and watching corporal punishment in high schools and its negative health sequelae by Ahmed Mohamed Gadallah Supervisor: Prof. Adel Mishriky

8. Risk factors of motor disabilities due to occupational accidents by Osman Ahmed Osman *Supervisor: Prof. Nadia Hosny*
9. Assessment of participation of visually disabled students in different school activities by Ahmed Mohamed Abdel Monem *Supervisor: Prof. Nadia Hosny*
10. Determination of the awareness of the third and sixth year medical students about women health problems by Ahmed Mohamed Ahmed Nasr *Supervisor: Dr. Amany Refaat*
11. Obesity & infertility by Gerges Thabet *Supervisor: Dr. Amany Refaat*
12. Prevalence of premenstrual tension syndrome among girls in Ismailia hostile by Rasha Hussein Abe El-Mogney Mohamed *Supervisor: Dr. Amany Refaat*
13. Determination of the symptoms and signs associated with different types of head injuries among patients attending to emergency unit of Suez Canal University hospital by Ahmed Abd Elhameed Mohamed *Supervisor: Dr. Hassan El-Shatoury*
14. Clinical & radiological picture of congenital hydrocephalus among patients admitted to neuro- surgery department at Suez Canal University hospital by Rania morsy Mahmoud *Supervisor: Dr. Hassan El-Shatoury*.
15. A mini project study on "The prevalence of animal bites among workers in the veterinary farm of Suez Canal University" by Heba Mohamed Zaki *Supervisor: Dr Ayman Ekram.*
16. Prevalence of animal bites among children in El-Emam Malek primary school in El-manaief village of Ismailia by Noha Mahmoud Mansour *Supervisor: Dr. Ayman Ekram.*
17. Mini project on "Pattern of physical fitness & weight in diabetic adolescence" by Maie Abdallah Mahmoud *Supervisor: Dr. Mirella Youssef*
18. Mini project on "Effect of physical activity on weight among 6<sup>th</sup> year student of FOM/SCU by Alaa Eldin Kamel *Supervisor: Dr. Mirella Youssef.*

### 3- Medical Education Department Theses Supervised by CRD Members

- Needs assessment of the phase II medical students for the field training curriculum, Faculty of Medicine, Suez Canal university

A proposal for thesis submitted for partial fulfillment of the master degree in medical education by Rabab Abd Elraoof Abed

*Supervisors Prof. Wagdy Talaat, Prof. Sobhi Ahmed Sobhi & Dr. Hassan El-Shatoury.*

- **The effectiveness of integrating clinical training rounds with class problems**

*Supervisors Prof. Wagdy Talaat, & Dr. Hassan El-Shatoury.*

## **II- WORKSHOPS & TRAINING COURSE**

### **a. Local workshops**

a.1- Field tutors training workshops for phase II (9,12 & 13 Jan. 2005). 19 participants

- **The workshops format was** in the form of presentation & discussion
  - **The outcome of this workshop was:** Field tutors who have the knowledge & skills regarding their job as field tutors.
  - **Evaluation by participants was** satisfactory, they said that the workshops were useful & relevant to their work as field tutors and suggested that this workshop be held twice a year instead of one.

a.2- Class tutors training workshop for phase I & II (12.15 & 21 Feb. 2005). 47 participants

- **The workshops format were** in the form of presentation & large group discussion
  - **The outcome of this workshop was** well oriented tutors regarding their role in PBL
  - **Evaluation by participants was** satisfactory & they see that regular training is very beneficial

a.3- Curriculum development workshop for faculty of medicine, Al-Azhar university. (23-24 Feb. 2005). 18 participants

- **The workshop format was** in the form of lectures, small group discussion, large group discussion & individual group tasks

- **The outcome of this workshop was** increased awareness of participants about curriculum development as an integral component of any medical school
- **Evaluation by participants:** 86%-100% of participants evaluated lectures and power point presentation as excellent or very good, satisfaction from small group discussion ranged from 67%-87%. Participants scored large group presentations between 73%-80% (excellent or very good) Management & administration of the workshop was reported excellent or very good by 80% of the participants
- Some comments included allocating more time to group discussions, frequent workshops in the same and related topics.

a.4- 2<sup>nd</sup> workshop on objective cognitive assessment (MCQ) for faculty members, (27 Feb. 2005). 40 participants

- **The workshop format was** in the form of presentation & small group discussion & large group discussion
  - **The outcome of this workshop was** faculty members oriented to basic principles of MCQ as a tool of objective cognitive assessment
  - **Evaluation by participants was** satisfactory. All the given lectures were beneficial to the attendance. Also the small group tasks were perceived as very beneficial.

a.5- The 11<sup>th</sup> and 12<sup>th</sup> training course for university teachers from faculty of medicine and High Institute of Nursing, (12<sup>th</sup> - 21<sup>th</sup> of April 2005). 20 participants (24<sup>th</sup> of September - 3<sup>th</sup> of October 2005). 23 participants

- **The workshop format was** in the form of presentation, small & large group discussion & tasks
  - **The outcome of this course was** Trained faculty members who are able to teach, communicate and deal with the students
  - **Evaluation by participants was** satisfactory & the percentage of satisfaction about items of workshop ranged between 62.5% - 100% for scientific content, 92.7% - 100% for achievement of

objectives 100% for the small group discussion, 93.7% for microteaching & 100% for organization

a.6- Workshop on MEQ for evaluation committee, (6 Feb. 2005). 5 participants

- **The workshop format was** in the form of presentation & large group discussion
- **The outcome of this workshop was** providing hands-on experiences for proper formulation and evaluation of MEQ
- **Evaluation by participants was** in the form of recommendations as:
  - A master sheet table should be designed by the committee
  - Examination questions should assess different levels of cognitive abilities
  - In written examination questions should be more clear regarding language & content
  - Students & staff members should be informed about the general rules of the evaluation system & its principles

a.7- 3<sup>rd</sup> workshop on writing MCQ for faculty members, (10 July 2005). 16 participants (a mixture of all academic departments with few representatives of clinical departments)

- **The workshop format was** in the form of presentation & small group task & large group discussion
  - **The outcome of this workshop was:** Trained faculty members on how to criticize MCQs in both basic and clinical medical sciences
  - **Evaluation by participants was** satisfactory & on a scale between 0-10 the mean rating of the workshop was as following: theoretical session 8.7 (very good to excellent), 1<sup>st</sup> small group session 8 (very good), 2<sup>nd</sup> small group session 7.6 (good), large group session 8.6 (very good to excellent)
    - General reaction were as following: interesting 9, useful 8.8, well prepared 8.5 & well conducted 8.5

a.8- Field tutors training workshop for phase II, (1<sup>st</sup> & 5<sup>th</sup> of Oct. 2005). 19 participants from different specialties

- **The workshop format was** in the form of presentation & discussion



- **The outcome of this workshop was:** Field tutors who are able to :-
  - Describe their job description and what is expected from them
  - Apply the principles of teaching in the clinical environment effectively.
  - Apply different ways of student's assessment.
  - Communicate effectively with students and coordinators
- **Evaluation by participants:** They gave a good oral feedback about the workshop's content and suggested items that may be added in future session such as: the new role of field tutors in formative evaluation of the log book

a.9- Field tutors training workshop for phase I, (17<sup>th</sup> & 25<sup>th</sup> of Oct. 2005). All phase one tutors from different specialties attended

- **The workshop format was** in the form of presentation & discussion
  - **The outcome of this workshop was: Field tutors who are able to:-**
    - Describe their job description and what is expected from them
    - Apply the principles of teaching in the clinical environment effectively.
    - Apply different ways of student's assessment.
    - Communicate effectively with students and coordinators
  - **Evaluation by participants were** satisfactory, all participants enjoyed & perceived it as a useful training regarding their work in the clinical field with the students.  
Their comments were as following:-
    - The level of performance of the students in full training in phase I is getting better specially in the units where their tutors received the training compared to those who didn't received it
    - More trainings specially for those who are not clinicians.
    - Some of them wanted to have such trainings regularly in the beginning of each block. Others said that the handouts they receive including the objectives & the activities of each block are enough.

a.10- Class tutors training workshop on problem solving for phase I & II, (4 & 23 Oct. 2005). 21 participants

- **The workshops' format was** in the form of presentation & large group discussion

- **The outcome of this workshop was** well oriented tutors by their role in PBL
- **Evaluation by participants was** satisfactory & the tutors confirmed that the students attitude towards PBL is much improved

a.11- 4<sup>th</sup> workshop on MCQ for faculty members, (6 Dec 2005). 10 participants the participants from all academic departments

- **The workshop format was** in the form of presentation & small group task & large group discussion
  - **The outcome of this workshop was:** Qualified faculty members in writing MCQs.
  - **Evaluation by participants was** satisfactory & on a scale between 0-10 the mean rating of the workshop was as following: 1<sup>st</sup> theoretical session 9.5 (excellent), 2<sup>nd</sup> interactive session 9.5 (excellent), small group session 9.14 (excellent), large group session 9.14 (excellent)  
General reaction were as following: interesting 9.14, useful 9.5, well prepared 8.5 & well conducted 8.9

## **b. International workshops**

b.1 19<sup>th</sup> International workshop on community-based education incorporating problem-based learning (innovative approaches) from 7-13 March 2005. 19 participants from Yemen, Egypt and Faculty of Medicine, Suez Canal University

- **The workshop format** was in the form of talks, small & large group discussion, tasks (included brain storming session, formulation of problems, assessment of the designed problems, writing modified essay questions), & visits
  - **The outcome of this workshop was: Participants who are:-**
    - Understanding the concepts and rationale of innovative health professions educational approaches:
      - . Problem-based learning
      - . Community-based education
      - . Integrated teaching
      - . Student centeredness

- Able to identify the Competency-based approach for curriculum design
- Identifying the principles of best evidence in medical education & on line learning
- Understanding the different roles of Faculty in health professions educational activities
- Recognizing of the basic principles and tools of Students assessment & Program evaluation
- **Evaluation by participants was** excellent and participants satisfaction was 86.6% for objective achievement. 87.3% agreed that the lectures were informative & large group sessions were attractive, 87.3% agreed that the small group sessions were interesting, 93.6 % of the participants were satisfied with visits & 85.7 agreed that the students' presentations were helpful.

b.2- 7<sup>th</sup> workshop on "Human Resource Development in Health Management & Leadership" from 24 to 29 December 2005. 28 participants from Sudan, Yemen and Egypt attended this workshop, (the supreme council of universities supported the attendance of participants from the Egyptian Universities through the HWD project

- **The workshop format** was in form of presentations, small and large group discussion, tasks, exercises and individual talks
- **The outcomes of this workshop was participants who are able to:**
  - . Describe basic elements, tasks and functions of management and leadership
  - . Evaluate participants' managerial and leadership skills
  - . Effectively apply some leadership skills in participants' organizations
  - . Improve their abilities of working with groups and making better use of time
  - . Define and using the important information required to provide quality and cost effective services
  - . Apply the principles of health economics and marketing for the provided health services
  - . Identify the most common managerial problems in primary health care settings and describing solutions for them
- **Evaluation by participants:** Satisfaction regarding organization and scientific contents of the workshop ranged between 90% - 95% respectively. Objectives achievement ranged between 90% - 100%. Some comments included allocating more time for small

groups, development of some new skills, appreciation for the great efforts in organization & generally excellent workshop

### **C. Visits & Training Courses**

- 1- Visiting program for faculty members from, Al-Azhar university, faculty of medicine to see how problem based learning is carried out, (30<sup>th</sup> of May 2005)
- 2- Visiting program for candidates from Thailand, Thammasat university, the main goals of the visit is to study clinical teaching and learning for medical students in clerkship phase (30 to 31 Oct. 2005)
- 3- Visiting program for candidates from Tikrit, Iraq to know the steps of problem solving, the key elements of problem formulation, the methods of student assessment in PBL & the role of the medical education department in specialization in medical education. 19 to 24 Nov. 2005
- 4- Visiting program for candidates from ChungNam National University, Korea, The main goal of the visit is exposure to innovative curriculum of FOM/SCU. 6<sup>th</sup> of Dec. 2005

### **III- CONSULTATIONS**

#### **Prof. Somaya Hosny**

- Consultant in Technical Consultancy Committee (TCC) in Health Workforce Development project (HWD) in supreme council for universities
- Reviewing Jazan curriculum (Saudia Arabic) in June & July 2005
- Participation in teaching for post graduate of medical education department in FOM/SCU
- Evaluation of plans for establishing EDCs vision submitted by Egyptian directors of EDCs through the supreme council of universities
- Planner: Student assessment: Joint Master of Health Profession Education (Maastricht University/Suez Canal University), 2005/06
- Referee and peer reviewer in the education for health journal, Network: Toward Unity for Health. 2000-2005

#### **Prof. Adel Mishriky**

- Participation in teaching for post graduate of medical education department in FOM/SCU
- Workshop on "research methodology" faculty of nursing, Ain Shams University, Feb. 2005

- Workshop on "introduction to biostatistics, faculty of nursing, Ain Shams University, April 2005
- Bahrain (Gulf University) May 2005:
  - Teaching in M.SC health policies
  - Planning for Occupational Health program
- Research orientation course on "association for health development (AHED) August- Sept. 2005
- Evaluation of plans for establishing EDCs vision submitted by Egyptian directors of EDCs through the supreme council of universities
- Planner: Research methodology: Joint Master of Health Profession Education (Maastricht University/Suez Canal University), 2005/06

### **Prof. Mohamed El-Kalioby**

- A member of reviewing team for Faculty of Medicine, 6<sup>th</sup> October University, October 2005.
- Evaluation of plans for establishing EDCs vision submitted by Egyptian directors of EDCs through the supreme council of universities

### **Prof. Wagdy Talaat**

- Participation in "the scientific seminar on academic accreditation" organized in Alex. By the faculty of medicine, Mansoura University
- Participation in the evaluation of "HEEPF" projects, 4<sup>th</sup> cycle" at the guest house of Ain Shams University during the period 16-19 May 2006
- Organization and conduction of workshop on "problem formulation and design in PBL at Hadramout university" sponsored by MUNDO, the Netherlands during period 9<sup>th</sup> –16<sup>th</sup> April 2005
- Organizing and conduction of workshop in PBL, at Dubai medical school for Girls during the period 24 to 28 July 2005

### **Dr. Amany Refaat**

- Participation in teaching for post graduate of medical education department in FOM/SCU
- Arab Population Expert, The Population Policies and Migration Department (PPMD) of the League of Arab States (LAS)
- Site Coordinator, Principal investigator, Suez Canal University pilot implementation of the Women and Health Learning Package, The Network: Towards Unity For Health(TUFH) / Global Health through Education Training and Service (GHETS), 2004-05
- Planner: Community-Based Education unit: Joint Master of Health Profession Education (Maastricht University/Suez Canal University), 2005/06

### **Dr. Hassan El-Shatory**

- Peer-reviewer in the medical education center in FOM, Zagazig University in May 7<sup>th</sup> 2005. the project about “medical education: reading the teachers”. This project is funded by HEEPF and has been reviewing since beginning of 2004.
- Participation in teaching for post graduate of medical education department in FOM/SCU
- Planner: Student assessment: Joint Master of Health Profession Education (Maastricht University/Suez Canal University), 2005/06

## 2

## COLLABORATION BETWEEN THE CENTER AND WHO

### Visits

#### ○ **Visits by WHO staff to the center**

No

#### ○ **Use of the centers staff by WHO**

- EMRO, WHO short term consultant to Oman, during the period 7<sup>th</sup> – 11<sup>th</sup> May 2005 to organize and conduct a workshop on training of trainers “TOT” by Prof. Wagdy Talaat

#### ○ **Support provided by center staff for courses cosponsored or organized by WHO**

Organizing and conduction of a national workshop on “peer reviewers training of activities conducted by the Emro-WHO in Alex. During the period 28 to 29 April 2005 by Prof. Wagdy Talaat

#### ○ **WHO financial support to the center through contractual or Technical Services Agreement**

No

#### ○ **Other type of support provided by WHO**

WHO supported the attendance of 2 candidates from Sudan to the 7<sup>th</sup> workshop on “human resources development in health management & leadership” 24-28/12/2005

#### ○ **Any other collaborative activities:**

No

#### ○ **Any difficulties encountered in the collaboration**

No

- **Suggestions for increased and improved collaboration with WHO**
  - . increasing the number of the center staff used by WHO for consultations
  - . More support for candidates from the region to attend our workshops
  - . Supporting some members of the center to attend international workshops

### 3

## COLLABORATION WITH OTHER WHO COLLABORATING CENTERS

- **Name(s) of the other WHO collaborating center(s) with which the center has collaborated**

EDC of Gezira

- **Name of the network of collaborating centers to which the center belongs**

Education Development Centers in Eastern Mediterranean Region

#### **Members:**

- Educational Development Center, Shaheed Beheshti University of Medical Sciences and Health Services, Iran
- Educational Development and Research Center, University of Gezira.
- Jordan University of Nursing & Technology
- Faculty of Health Science, Ministry of Health, Bahrain
- College of Physicians & Surgeons, Pakistan
- Center for Research and Development in medical education & health services (CRD) Faculty of Medicine, Suez Canal University, Ismailia, Egypt.

- **Outcome of the collaboration**  
Dissemination of information & attendance of some of their members to our workshops
- **Suggestions for increased and improved collaboration with other WHO collaborating centers**

*Financial support for exchange visits*

