



**Quality Assurance Unit**



**Tanta University  
Faculty of Medicine**

**Department of physical medicine, Rheumatology  
& rehabilitation**

**Program Report**

**Doctorate degree of Physical  
Medicine, Rheumatology &  
rehabilitation**

**October 2012**

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## **Program Report**

**University:** Tanta  
**Faculty:** Medicine  
**Department:** Physical Medicine, Rheumatology & rehabilitation

### **1- Basic Information**

**1-Program title: doctorate degree of Physical Medicine, Rheumatology & rehabilitation**

**2-Speciality: Physical Medicine, Rheumatology & rehabilitation**

**3-Program duration: 42 months**

**4- credit hours/Courses:**

	<b>Taught hours</b>		<b>Credits hours</b>
	<b>theoretical</b>	<b>practical</b>	
First part	45	60	5
Thesis			15
Second part	232	816	42.6

### **Courses included in the program:**

#### Courses titles in first part

- 1) English language
- 2) Computer skills
- 3) basic statistics
- 4) Physiology
- 5) Anatomy
- 6) General Surgery
- 7) General Medicine
- 8) Physics
- 9) *Department s offering the courses:* English department, faculty of education -statistics and computer sciences department faculty of commerce-Tanta University.

#### Courses titles in second part

- 1- Physical medicine & Electrodiagnosis & Orthotics & Protheses
- 2- Rheumatology & Rehabilitation of rheumatic & neurological diseases
- 3- Elective course : Physiology or Anatomy
- 4- *Department (s) offering the courses* Rheumatology & Rehabilitation anatomy and physiology , Departments faculty of medicine, Tanta University.

#### Courses titles in third part

- 1) Thesis in specialty according to the research plane of the department

### **5- Examination committee' structure**

**6 internal examiner and 1 external examiner will choose in department meeting**

### **76-External examiners' system**

Available

## 2-Specialized Information

### 7-Statistic

7.1.No. of students starting the program: 3 100%\

7.2 Success rate: 33.3%

7.3 Tendency of enrollment in the program: The number of students in the programs in the last three times is unstable, (3 student in April 2011 -----6 student in October 2011---3 student in April 2012--3 student in October 2012)

7.4. Results of final exam:

- Passed: 1 33.3%
- Failed: .... 2 66.6%

7.5. Grading of students: number (%)

- Excellent: 0 (0%)
- Very Good: 0 (0%)
- Good: 1 (33.3%)
- Pass: 0 (0%)
- Fail: - 2 (66.6%)

8-Academic Reference Standards:

8.1 Medical academic standards for MD degree adopted by the faculty council in 24/5/ 2010 and offered by The Egyptian Authority for Quality Assurance and Accreditation for Education (NAQAAE) for post graduate 2009 was adopted.

- National Academic Reference Standards (NARS)

### -knowledge and understanding

- a.1- Describe the theories and principles, and up dates in advanced rheumatology and rehabilitation and related sciences needed in his career.
- a.2-Define the principles, methods, ethics, and various tools of advanced medical researches.
- a.3- Describe the ethical and legal principles of advanced medical and professional practice.
- a.4- Describe basic & advanced principles of rehabilitation medicine, impairments, disability and handicapping.
- a.5- Identify basics & advanced of health and patient's safety and safety procedures during practice.
- a.6- Identify proper patient care and patient's rights to obtain the optimum health care & effective treatment of rheumatic diseases.
- a.7- Identify the principles & advanced of quality assurance in medical practice.
- a.8- Identify the effect of medical practice on surrounding environment ,and how to develop and protect environment.
- a.9- Demonstrate advanced knowledge and productivity in

	rehabilitation science
<b>Intellectual Skills</b>	<p>b.1- Integrate basic science of anatomy, pathology, immunology and physiology of connective tissue, bone, joint and muscle with clinical care of patients with rheumatic disorders.</p> <p>b.2- Explain the scientific basis of the methodology, list indications and interpret laboratory tests and imaging procedures used in diagnosis and management of rheumatic diseases.</p> <p>b.3- Recognize pharmacology, pharmacokinetics, including drug metabolism, adverse effects, and interactions.</p> <p>b.4-List indications for applying and interpreting electromyogram and nerve conduction studies.</p> <p>b.5- Apply physical medicine and design rehabilitation program in patients with rheumatic, neurological, orthopedic and other medical disorders.</p> <p>b.6- Evaluate, manage and construct rehabilitation of exercise-related illness(sport).</p> <p>b.7- Recognize indications, describe, prescribe and evaluate orthoses and prostheses of different parts of the body.</p> <p>b.8.- Formulate medical research paper.</p> <p>b.9- Perform medical research to add advance&amp; new to rheumatology and rehabilitation.</p>
<b>- professional &amp; practical skills</b>	<p>c.1- Examine patients, to include a specific examination of structure and function of all joints, both axial and peripheral, as well as particular structure and muscle units.</p> <p>c.2-Perform diagnostic aspiration and analysis of synovial fluid.</p> <p>c.3- Perform therapeutic injection of diarthroidal joints, bursa, tenosynovial structures and enthuses.</p> <p>c.4- Diagnoses and differentiate diseases through interpretation of bone and joint imaging techniques.</p> <p>c.5- Perform and Interpret bone density measurement.</p> <p>c.6- Use nonsteroidal anti-inflammatory drugs, disease modifying drugs, and biological agents, glucocorticoids, cytotoxic drugs, antihyperuricemic drugs and antibiotic therapy.</p> <p>c.7- Write and evaluate a professional medical report related to rheumatology and rehabilitation.</p> <p>c.8-Critically evaluate and synthesize research in rehabilitation science.</p> <p>c.9- Perform medical research to add new to rheumatology and rehabilitation.</p>
<b>- General</b>	<p>d.1-Communicate effectively with his colleagues and patients</p>

<b>transferable skills</b>	<p>d.2- perfect basic s of information technology using skills which serve his career development</p> <p>d.3- Teach others and evaluate them.</p> <p>d.4- Apply self evaluation and specify his medical educational needs , and Perform continuous medical education.</p> <p>d.5- Use different learning resources to get knowledge and information.</p> <p>d.6- Practice team working and lead a team in specified professional job.</p> <p>d.7- Manage scientific seminars , with good time management and develop their communicative abilities within the various formats of presentations</p> <p>d.8- Take a leadership role in preparing a grant application in rehabilitation</p> <p>d.9- Design and deliver scholarly presentations and facilitate effective discussions.</p>
<b>Teaching and learning facilities for handicapped</b>	<p>It is a clinical and practical program and there is no facilities for such service</p> <p>There is a plan for applying services for them like Ramp + Parking slot</p> <p>As regard to the present time the is elevators for the physically handicapped</p>
<b>Reference standards for the program</b>	<p>National academic standards of NAQAAE</p>
<b>Program guide lines</b>	<p><u>Available</u></p>
<b>System of regular reviewing of the program</b>	<p><u>Available</u> <u>Annual</u></p>
<b>Compliance of the academic standards of the program with ILOS</b>	<p>There is compliance of the academic standards of the program with ILOS</p>
<b>Administrative Obstacles</b>	<p>1- Some revised course specifications faced some difficulties due to faculty bylaws as hours of teaching and marks of exams as well as defective resources and facilities which were needed to achieve some ILOs, This may in turn led to not or improperly implementation of program ILOs.</p> <p>2- The quality unit does not have full authority to obligate the staff members and faculty employees.</p>

## 9- Student assessment for acquiring ILOs

<b>A&amp;b ) Methods, timing and scale</b>	Method of Assessment	%
	Written examination	200 degree 40%
	Clinical examinations	200 degree 40%
	Oral examination	100 degree 20%
	Other types of assessment (log book )	Should be completed to allow student to attend the exam
	Total	500 degree 100%
<b>C) Comments of external reviewers</b>	1- the course is good	

## 10- Learning Facilities

<b>10.1. Ratio of staff members to students</b>	<b>Academic degree</b>	<b>Total number</b>	<b>Staff in leave</b>	<b>Number of working</b>
	Professors	8	---	8
	Assistant professors	1	---	1
	Lecturers	5	---	5
	Assistant lecturers and demonstrators	----	---	----
	<b>Academic year</b>	<b>Staff</b>	<b>Students</b>	<b>Ratio</b>
	<b>Total</b>	<b>14</b>	<b>3</b>	<b>4:1</b>
<b>10.2. Staff Qualification &amp; program aim</b>	<u>Suitable</u> – staff trained on the new teaching and assessment methods (TOT , presentation skills , communication skills, using technology in teaching )			

<b>10.3. Lecture halls and Library</b>	<p>. Lecture halls: <u>Suitable</u> Reconstruction and renewal of the old one, supplying with data show. It has good aeration and ventilation.</p> <p>Library. <u>Suitable</u> The postgraduate library is open from 9.00am-3 am on weekdays except Fridays and Saturday; The study space is ideal and lighting is adequate. It has a photocopying facility. It is air conditioned Many old textbooks and journals are available. The availability of recent textbooks and periodicals is adequate to somehow. E-learning of some departments is available in the library. The course specifications of most departments did not include library in teaching methods. It is suggested that the adoption of teaching methods that would demand increased utilization of the library. There is also Technology Lab supplemented with many computers ,printers and internet for upgrading of its services to share in teaching as well as research work.</p> <p>Department Library. <u>Suitable</u> Content recent textbook in rheumatology, rehabilitation</p>
<b>Laboratories</b>	<p><u>Suitable</u> – The current practical class facilities and practical labs in department are adequate and improved in comparison to the previous year. But still there is shortage of updated equipments and materials needed for lab works, shortage of number of qualified technicians .</p>
<b>Computers</b>	<p><u>Suitable</u> For all students there is a hall for internet and midline facilities is present; containing 15 computers connected to the internet and provides online access for periodicals. The hall is well equipped and has been set up next to the library. An agreement with some publishers has been set through the Higher Universities Council to allow the access to a good number of periodicals. Computer labs are open from 9am to 3pm on weekdays and are accessible for students. It provides its services at nominal fees, which are affordable to most of the students.</p> <p>It is to be noted that the use of the internet and computer lab to the students is optional and there is no course enforcing or obliging the students to use computers resources or the internet</p> <p>For all under and post graduates, there is also a new computer lab in the sixth floor containing 70 computers with midline facilities.</p> <p>In department there is enough computers with midline facilities for teaching and learning facilities</p>

<b>Role of stakeholders in providing chances for student training</b>	No role
<b>Any other request for the program</b>	There must be an increase in the time allowed for practical skills applied all over the program

## 11. Quality improvement and enhancement

<b>11.1. Follow up system for shortage</b>	Effective
<b>11.2. Procedures for implementation of the faculty regulation</b>	<p><u>Some degree</u></p> <p>a. Availability of regular evaluation and revision system for the program The faculty nominated one of the national staff member to evaluate the program</p> <p>b. Effectiveness of the system The Faculty administrative skeleton is suitable to some degree in applying and assuring regulations. The system of delegated authority is suitable in vice deans responsibilities, in managing implementation of program and regulations. The internal quality assurance unit has a role in assuring implementation of faculty regulations and program application , as there is a monthly reporting and special element in the faculty council report about quality</p> <p>c. Effectiveness of Faculty and University laws and regulations for progression and completion Some heads of the faculty departments are very enthusiastic to activate faculty bylaws and university regulations especially those concerned with students' attendance and commitment of staff members to be able to complete course reports. Others are not.</p>
<b>11.3. The effectiveness of the internal reviewing system for program development</b>	<p>There is internal reviewing system, _</p> <ul style="list-style-type: none"> <li>- Many Staff joining quality</li> <li>- There is change in exam models</li> <li>- All Course have internal reviewers</li> </ul>



<b>11.4. Comments of external reviewing for ILOS of the program and assessment standards</b>	None
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## **12. Suggestions of improvements**

<b>12.1 Program skeleton (Courses/Hours)</b>	1- There must be more practical hours applied for correlation of the clinical science with basic science
<b>12.2. New courses</b>	Non.
<b>12.3. Training and skills</b>	opening inpatient unit to enhance clinical teaching
<b>12.4. Suggestion of stake holders for program development</b>	Two meeting with stake holders, their Suggestions were put in consideration. More clinical skills Fulfillment of presentations for team work + communication
<b>12.5. Responsible personnel</b>	Dean, vice deans, Head of department and Staff members
<b>12.6. Time of implementation</b>	Through next academic year

Responsible about the program ----- Signature ----- Date:    /    /