



Tanta University Faculty of Medicine

Department of Physical Medicine, Rheumatology & Rehabilitation

Program Specifications

Physical Medicine, Rheumatology &Rehabilitation Doctorate degree

2015-2016

Physical Medicine, Rheumatology & Rehabilitation Program Specifications University: Tanta Faculty: Medicine Department: Physical Medicine

A-Basic information

1-Program title: Doctorate degree in Physical medicine, Rheumatology &

Rehabilitation.

2-Program Code: PRR 900

3- Program coordinator: Dr. Dr. Radwa Mostafa Elkhouly

4-program internal evaluators: Prof. Dr. Safeya El-Sayed Eid

5-program external evaluators: Prof. Dr. seif el deen ali farag Faculty of Medicine

Mansoura university.

6-Date of approval: 8/11/2015

7-Departments offering the courses of the program: Physical Medicine,

Rheumatology & Rehabilitation faculty of Medicine. Tanta University

B_ professional information

1 – Overall program aims

By end of the program candidate should be able to

• Deeply oriented with the current medical problems, and up to date hypothesis in rheumatology and rehabilitation.

• Understand the fundamental information and general principles underlying the examination, treatment and rehabilitation of different rheumatic and neurological diseases.

• Perfect large scale of professional skills in rheumatology and rehabilitation.

• Adopt positive attitude towards the development of new modalities and methods of professional practice in rheumatology and rehabilitation.

• Perfect the bases and methods of medical researches and enrich his specialty through original medical researches.

2 - Intended learning outcomes (ILOs):

a-knowledge and understanding:

By the end of the course graduate should be able to:

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

By the end of the program, candidates should be able to:

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.

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.

b.3- Understand pharmacology, pharmacokinetics, including drug metabolism, adverse effects, and interactions.

b.4- Interpreting electromyography and nerve conduction studies.

b.5- Select the proper rehabilitation program in patients with rheumatic, neurological, orthopedic and other medical disorders.

b.6- Choose rehabilitation program of exercise-related illness(sport).

b.7- Analyze indications, describe, prescribe and evaluate orthoses and prostheses of different parts of the body.

b.8- Organize medical research paper.

c. Professional and practical skills :

By the end of the program the candidate will be able to:

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.

c.2-Perform diagnostic aspiration and analysis of synovial fluid.

c.3- Perform therapeutic injection of diarthroidal joints, bursa, tenosynovial structures and enthuses.

c.4- Diagnoses and differentiate diseases through interpretation of bone and joint imaging techniques.

c.5- Perform and Interpret bone density measurement.

c.6- Apply the Usage of nonsteroidal anti-inflammatory drugs, disease modifying drugs, and biological agents, glucocorticoids, cytotoxic drugs, antihyperuricemic drugs and antibiotic therapy.

c.7- Write and evaluate a professional medical report related to rheumatology and rehabilitation.

c.8- Evaluate and synthesize research in rehabilitation science.

c.9- Perform medical research to add new to rheumatology and rehabilitation.

d. General and transferable skills:

By the end of the program the candidate will be able to:

d.1-Communicate effectively with his colleagues and patients

d.2- perfect basic s of information technology using skills which serve his career development

d.3- Teach others and evaluate them.

d.4- Apply self evaluation and specify his medical educational needs , and Perform continuous medical education.

d.5- Use different learning resources to get knowledge and information.

d.6- Practice team working and lead a team in specified professional job.

d.7- Manage scientific seminars, with good time management and develop their

communicative abilities within the various formats of presentations

d.8- Share in preparing a grant application in rehabilitation

d.9- Design and deliver scholarly presentations and facilitate effective discussions.

3- Academic standards adopted:

Medical academic standards for doctorate 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.

* External references for standards:

- In Rheumatology medicine: Manchester faculty of medicine.

http://www.medicine.manchester.ac.uk/postgraduate/taught/clinrheumatology/ Contact email: <u>Lisa.McClair@manchester.ac.uk</u>

- In Rehabilitation medicine: *University of Cincinnati Academic Health Center. http://www.med.uc.edu/pmr/residents/curriculum.asp

* University of Washington-rehabilitation medicine department. http://rehab.washington.edu/

4 - curriculum structure and content :

4-a- Program duration: The program duration is at least 48 months (88 credit hours) since registration date till obtaining the degre*e*

		I	Credits hours		Credits hours
	theoretical	practical	selective	scientific	
First part	8	4	4	2	18
Second part	24	12	12	6	54
Thesis					16

4-b- Program structures:

5-Courses included in the program:

5.1 Course	es titles in	n first part					
	Code	Course Title	No. Of Hours	s /course	Total	Remark	Program ILOs
			Theoretica	Practica	credit	S	Covered
			1	1	credit		
					hours		
					/		
					cours		
					е		

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Semeste	PRR	Anatomy &	60	60	6	15 th	a.2,b.8,d.2,5
r	9001,	physiology				week	
	9002						
	Anat						
	physi						
Semeste	PRR	Immunolog	60	60	6	15 th	b.8,c7,9,d.5,
r	9003	у				week	7
	Immu						
	n 2						

Elective courses: 4 credit hours

Scientific courses: 2 credit hours

5.1a. Compulsory courses titles in second part

5.14.00		courses titles i	-				
	Code	Course Title	No. Of Taug	ht Hours	Total	Progra	Program
			Theoretica	Practica	credit	m	ILOs
			1	1	hours /	duratio	Covered
					course	n	
Semes ter C	PRR 9004 Rheum -	Rheumatolog y & Rehabilitatio n of rheumatic & diseases	60	60	6		a1,.4,5,6,7,9 b.3,5,6 c.1,2,3,4,5,6, 7,8,9 d.2,3,4,8,9
Semes ter D	PRR 9005 Rheum -	Rheumatolog y & Rehabilitatio n of rheumatic & diseases	60	60	6		a1,.4,5,6,7,9 b.3,5,6 c.1,2,3,4,5,6, 7,8,9 d.2,3,4,8,9
Semes ter E	PRR 9006 Rheum -	Rheumatolog y & Rehabilitatio n of rheumatic & diseases	60	60	6		a1,.4,5,6,7,9 b.3,5,6 c.1,2,3,4,5,6, 7,8,9 d.2,3,4,8,9
Semes ter F	PRR 9007 phys- med	Rehabilitatio n	60	60	6		a.1,3,4, 5,6,8,9 b.2,4,5,6,7 c.1,2,3,8,9 d.1,2,4,6,8,9
Semes ter G	PRR 9008 phys- med	Electrodiagno sis	60	60	6		a.1,3,4, 5,6,8,9 b.2,4,5,6,7 c.1,2,3,8,9 d.1,2,4,6,8,9

Semes ter H	PRR 9009 phys- med	Orthotics & Prosthesis	60	60	6	a.1,3,4, 5,6,8,9 b.2,4,5,6,7 c.1,2,3,8,9 d.1,2,4,6,8,9
		Thesis			16	a.2,b.8,9,c.8, 9,d.5, 9

Total 88 credit h.

Elective courses: 12 credit hours Scientific courses: 6 credit hours

• Credit / taught hours (total of the program) :

															Π	LO	S																		
					А								F	3								С									D				
	1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9
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Im mu nol ogy																																			
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6. Program admission requirements:

Registration, progress requirements , and schedule of written exams are provided by the faculty post graduate bylaws provided to all students through post graduate guide book

7. Regulation for progression and program completion

progress requirements , and schedule of written exams are provided by the faculty post graduate bylaws provided to all students through post graduate guide book

	المذاهج						e Mil	تدلات		
	المقرر الدراسى	الكورد	الساعات المعتمدة	النقاط المحتمدة	عدد الاوراق	تدرير ي	عملی	شفو. ی	اكأينيكى	مجموع الدرجات
ιŢ	 مغرر علمي وعملي في المشريح المطبقي و مغرر علمي في 	PRR 9001	6	18	1	120		80		200
	الأسبولوديا التطبيقية فيما يخص الجهلز الدركى	PRR 9002	3	9						
2	2 مقرر علمي وعملي في المخاعة.	PRR 9003	3	9	1	60		40		100
n.	مقررات المتبارية.		4	12						
á (أدشطة علمية.		2	4						
ľ			16	32						
П	 مقررات علمية واكلينيكية في الأمراض الروماتيزمية 	PRR 9004	6	18	1	360		60	180	1200
	وأمراض الجهلز الحركي وامراض المناعة	PRR 9005	6	18						
		PRR 9006	6	18						
2	2 مقررات علمية واكلينيكية في المطب الطبيعي وفروعه	PRR 9007	6	18	1	360		60	180	
	والثاهيل وفى الاشديص الكهر وفسيولوجي	PRR 9008	6	18						
		PRR 9009	6	18						
a	مقررات الدقيلاية.		12	36						
á	أدشطة علمية.		6	12						
T			88	240		900		240	360	1500

8-Program assessment and evaluation:

- Program external evaluator: Prof. Dr. **Radwa Mostafa Elkhouly** -Mansoura Faculty of Medicine.
- Program Internal evaluator : Prof. Dr. Safeya El-Sayed Eid
- Reports of external and internal evaluators
- Questioner to students and stake holders
- Reports of faculty internal auditing system

Will be included in the annual program report, and action plan will be structured accordingly

9-Appendix courses specifications

-we certify that all of the information required to deliver this program is contained in the above specifications and will be implemented

	AR	S			A	L					В						С						D			
			1	2	3	4	5	1	2	3	4	5	6	7	1	2	3	4	5	1	2	3	4	5	6	7
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Program		2		*																						
am		3			*																					
ILOS		4	*																							
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		6			*																					

Matching of ARS and program ILOS

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