Quality Assurance Unit

Tanta University
Faculty of Medicine

Department of Physical Medicine, Rheumatology & Rehabilitation

Course Specifications

Electrodiagnosis for Physical Medicine,Rheumatology & Rehabilitation, Doctorate degree

2015-2016

Electro diagnosis for Physical Medicine, Rheumatology & rehabilitation Doctorate Degree Course Specifications

University: Tanta ***Faculty: Medicine*** ***Department: Physical Medicine***

program: Doctorate degree

A- Administrative Information

1- Course title: Doctorate degree of Physical Medicine, Rheumatology & rehabilitation

2- Department offering the program: Physical Medicine, Rheumatology & rehabilitation

3- Department responsible for the course: Physical Medicine, Rheumatology & rehabilitation

4- Course code: PRR 9008 EMG

5- Level: second part/semester G

6- No. of Credit / taught hours: 6 credit hours

7-Authorization date of course specification: 8/11/2015

B- Professional Information

1 – Overall Course aims

By end of the course, graduate should be able to

1. Deeply oriented with the current medical problems, and up to date hypothesis in electrodiagnosis.
2. Understand the fundamental information and general principles underlying the electrodiagnosis of different neurological diseases.
3. Perfect large scale of professional skills in electrodiagnosis .

2 – Intended learning outcomes (ILOs):

a- knowledge and understanding:

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

a.1-Discuss the theories and principles, and up dates in advanced electrodiagnosis 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-Identfy basics & advanced of health and patient's safety and safety procedures during practice.

a.5- -Identify the principles & advanced of quality assurance in medical practice

a.6- -Identify the effect of medical practice on surrounding environment ,and how to develop and protect environment

b- intellectual skills

By the end of the course, graduates should be able to:

b.1- Demonstrate basic science of anatomy and physiology of connective tissue, bone, joint and muscle with clinical care of patients.

b.2- Interpreting advanced electromyography and nerve conduction studies.

c. Professional and practical skills:

By the end of the course, the candidate will be able to:

c.1-Examine patients, to include a specific advanced examination of structure and function of all joints, both axial and peripheral, as well as particular structure and muscle units.

c.2-Perform different electro diagnostic tests.

d. General and transferable skills:

.By the end of the course, the candidate will be able to:

d.1-Communicate effectively with his colleagues and patients

d.2- teach others and evaluate them.

d.3- Apply self evaluation and specify his advanced medical educational needs , and Perform continuous medical education.

d.4-use different learning resources to get advanced knowledge and information.

d.5- practice team working ,and lead a team in specified professional job.

d.6- Manage scientific seminars , with good time management and develop their communicative abilities within the various formats of presentations**.**

d.7-Share in preparing a grant application in electrodiagnosis

d.8-Design and deliver scholarly presentations and facilitate effective discussions

3-Course contents

Topics	No. of credit hours	
	theoretical	practical
Electrodiagnosis	4	2

Detailed contents of course topics: it will be annexed

I.Electrodiagnosis:

4-Teaching and learning methods

- **Illustrated lectures:** to discuss theoretical topics (a.1,2,3,4)
- **Clinical training**; to develop the intellectual skills& professional and practical skills(b.1,2,3,c.1,2,3)
- **Seminars and meetings**: to use the sources of rheumatic and rehabilitation information to remain current with their advances (c.4,5,6,7,8,9,d.7,9)

5-Student Assessment

5.1. MCQ: to assess (a.1, a.4 a.6,b.1, b.1, b.3, b.4) at the end of the semester + as a part of the exam of second part

5.2. log book: to assess….(a.2,3,5,7,8,9,b.5,6,7, c.5,6,7,8,9,d.1,2,3,4,6,8)

6- Assessment schedule

According to faculty rules of post graduate, exam will be done in the 15 th week of each semester+ as a part of the final exam of second part

Assessment	date
1-MCQ : at the end of the semester	

7- Weighing of assessments

MCQ examination	C 65-70%

8- List of references

8.1 Course notes

8.2 Text book:

* Electrodiagnosis in Diseases of Nerve and Muscle: Principles and Practice

8.3 Recommended books:

*Electromyography in clinical practice

8.4 Periodicals and web sites:

-Muscle & Nerve

-www.emedicine.com - www.eulc.edu.eg

-www.medscap.com - www.pubmed.com

-www. Science direct. Com - www.Wiley Blackwell.com

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

The annex

I.Electrodiagnosis:

- Electromyography and NCS
- Late responses
- Anomalies innervations
- Electro diagnosis in intensive care unit

Evoked potential

- SSEP
- MEP
- Visual Evoked potential
- Auditory evoked potential
- Radiculopathy
- Neuromuscular junction disorder
- EMG of anal and urinary disorder
- AHC disease
- Neuropathies (peripheral and entrapment)
- Muscle diseases

We verify that the above report and the analysis of students and external evaluator opinions are accurate.

Course coordinator and head of department

Name……..……..

Signature…….. Date……..

Head of quality assurance unit:

Name……...

Signature…… Date……..