



Quality Assurance Unit



Tanta University
Faculty of Medicine

**Department of Anesthesiology, Surgical intensive
care**

Course Specifications

**Pain management for
Anesthesiology, Surgical intensive
care Master degree**

2014

Anesthesiology, Surgical intensive care Master degree
Course Specifications: 2014

Course Specifications of Anesthesiology, Surgical intensive care Master degree

University: Tanta

Faculty: Medicine

Department: Anesthesia

A- Administrative Information

1. course title: Pain management for Master of Anesthesiology, Surgical intensive care

2. Department offering the course: Anesthesiology, Surgical intensive care

3. Department responsible for the course: Anesthesiology, Surgical intensive care

4. Course code: ANES 8008

5. Level: Second part.

6. No. of Credit / taught hours:

- **credit hours:**

- **Theoretical: 4 hours/week X 15 weeks =60 hours (4 credit hour)**
- **Practical: 4 hours/week X 15 weeks =60 hours (2 credit hour)**

7. Authorization date of course specification:

B- Professional Information

1 – Overall Course aims

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

Be a qualified trained physician and deal with cases of acute and chronic pain states in a scientific ethical manner.

2 – Intended learning outcomes (ILOs):

A- Knowledge and understanding:

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

- A.1) Recognize different types of pain and understand the underlying pathophysiology.
- A.2) Identify different modalities of pain management

B-Intellectual skills

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

- B.1) Evaluate the degree and severity of pain
- B.2) How to choose the best modalities of pain management

C-Professional &practical skills

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

- C.1) Examine the patient systemically and properly
- C.2) Perform different techniques of pain management

D-General transferable (attitude and communication) skills

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

- D.1) Participate in team working, Apply self-evaluation and specify his medical educational needs.
- D.2) Solve Problems
- D.3) Know how to deal with patients, their relatives and doctors
- D.4) Acquire an approach to medico legal problems

3-Course contents

Topics	lecture	Clinical/ lab
• Pain management	60	60

Topic	No. of hours
	Lecture /Practical
A. Lectures:	60 h
Pain clinic organization and staffing	2
Anatomy and physiology of pain	2
Clinical pharmacology	2
Physical assessment	2
Psychological assessment	1
Diagnostic and prognostic nerve blocks	1
Measurement of pain	1
Thermography	1
The opioids	2
Non-opioid analgesics	1
Anti-depressants and anti-convulsants	1
Local anesthetics: pharmacology and toxicity	2
Chronic intra-thecal drug delivery	2
Adjuvant analgesics	2
Specific pain syndromes:	
Back pain and radiculopathy	3
Myofacial pain syndromes	3
Complex regional pain syndromes and sympathetically-maintained pain	3
Acute herpes zoster and post-herpetic neuralgia	1
Painful peripheral neuropathies	1
Facial pain	1
Chronic pelvic pain	2

**Anesthesiology, Surgical intensive care Master degree
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Headache	2
Post-dural puncture headache	1
Central pain syndromes	1
Arthritic disorders	2
Chronic pain in children	2
Substance abuse and addiction	1
Cancer pain:	
Oncologic pain management	5
Palliative care of the terminally ill patients	4
Radiation therapy	5
Neurolytic blocks and neuro-ablative procedures	4
B. Techniques (Practical):	60 h
Nerve blocks of:	
Head	10
Neck	10
Shoulder and upper extremity	8
Thorax and chest wall	8
Abdomen and abdominal wall	8
Back and pelvis	8
Lower extremity	8

4-Teaching and learning methods

Lectures, seminars, journal clubs, case presentation, assignments, conference participation observation and hands on practice in operating theaters and surgical ICU.

5-Student Assessment

- 1- MCQ End semester examination: C+ required for final exam attendance
- 2- Final exam included as apart of the 2nd part exam.

6- Weighing of assessments

Included in the end of the 2nd part exam.
will be annexed

7- List of references

Course notes

Lecture notes from Anesthesiology, Surgical intensive care and Pain management

Text book

Essential Books (Text Books)

- Anesthesia by Miller RD 6th edition, Elsevier Churcill Livingstone, New York, 2010.

Anesthesiology, Surgical intensive care Master degree
Course Specifications: 2014

- Lee's Synopsis of Anesthesia by: Davies NJH, Cashman JN, 13th edition, Elsevier, UK 2005.
- The ICU Paul L. Marino, 2nd edition, Lippincott Williams & Wilkins, Philadelphia 2012.

Recommended Books

- Stoelting's Anesthesia and Co-existing disease, 6th edition, By: Hines RL, Marschall KE, 2008, Elsevier Churchill Livingstone 2012.
- Anesthesiology: Problem-oriented patient management 7th edition, By: Yao FSN, Artusio JF, Lippincott Williams & Wilkins, Philadelphia 2012.

Web Sites

- British Journal of Anaesthesia
- ASA Refresher Course Lectures
- Anesthesiology
- Anesthesia Analgesia
- Egyptian journal of anesthesia
- Journal of Anesthesiology.
- American Society of Anesthesiologists.
- European Journal of Anesthesiology.

8-Other resources/ facilities required for teaching and learning to achieve the above ILOs

The department has regular daily lists in different operative theaters.

The department has Surgical ICU unit for postoperative care.

Free Internet access for international data bases is available for all doctorate students through the faculty postgraduate library

The essential text books for this course are available either in department or faculty library

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

*Anesthesiology, Surgical intensive care Master degree
Course Specifications: 2014*

We verify that the above Course 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.....