



COURSE SPECIFICATION

Pain Management

Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Program offering the course.	Postgraduate master degree of Anesthesia and Surgical Intensive Care and pain management
(2) Final award / degree	MSc degree
(3) Department offering the program.	Anesthesia and Surgical Intensive Care and pain management department
(4) Department responsible for teaching the course.	Anesthesia and Surgical Intensive Care and pain management department
(5) Part of the program.	Second part
(6) Date of approval by the Department's council	20-4-2016
(7) Date of last approval of program specification by Faculty council	9-8-2016
(8) Course title.	Pain Management
(9) Course code.	ANET 528 PM
(10) Credit hours	3 hours lecture/ 2 hours clinical
(11) Total teaching hours	45 lecture/60 clinical

(B) Professional information

(1) Course Aims:

The broad aims of the course are as follows:

- To provide the candidates the relationship of basic pharmacology and physiology with pain management
- To enable the candidates to practice the principles in pain clinics for pain assessment

(2) Intended Learning Outcomes (ILOs):

On successful completion of the course, the candidate will be able to:

A- Knowledge and Understanding

A1	Define and classify pain
A2	Discuss pain pathway
A3	Define and classify acute pain
A4	Define and classify chronic pain
A5	Describe causes, principle, mechanism and management of cancer pain

A6	Describe pain, staging related to degenerative disc diseases, diagnosis and management
A7	Explain types, causes, diagnosis and management of complex regional pain syndrome
A8	Discuss causes, diagnosis, differential diagnosis and management of post-herpetic neuralgia
A9	Describe causes, diagnosis, differential diagnosis and management of trigeminal neuralgia
A10	Define indication, technique & complication of { brachial plexus block, axillary nerve block, radial n. block, median n. block, ulnar n. block, femoral n. block, obturator n. block, sciatic n. block, ankle n. block& intravenous regional anesthesia(Bier block)}

B- Intellectual skills

B1	Demonstrate Origin, course, relations & distribution of all body nerves
B2	Use an initial approach for assessment of patients with acute or chronic pain.

C-Professional/practical skills

C1	Perform full physical examination of patients with acute and chronic pain
C2	Adjust suitable approach for management of acute and chronic pain

D- Communication & Transferable skills

D1	Cooperate in teams in management of complications according to scientific base.
D2	Learn skills for planning to manage acute and chronic pain

Course content:

Subjects	Lectures
1 - Anatomy of vertebral column, Epidural space, And dermatomal distribution.	7
2- Acute pain	6
3- Chronic pain	6
4-Pain measurement	6
5-Cancer pain	6
6-Failed back surgery syndrome	4
7-Complex regional pain syndrome	5
8-Postherptic neuralgia and trigeminal neuralgia	5
Total teaching hours	45

Practical.

Subjects	Clinical
Brachial plexus block	14
Axillary nerve block	14
Radial n. block, median n. block, ulnar n. block	14
Femoral n. block, obturator n. block, sciatic n. block, ankle n. block	9
Intravenous regional anesthesia (Bier block)	9
Total teaching hours	60

(3) Teaching methods:

4.1: Lectures

4.2: Power point presentation

4.3: Small group discussion with case study and problem solving

(4) Assessment methods:

Written exam: 48 Marks

MCQ exam: 12 Marks

Structured oral exam: 25 Marks

OSCE: 25 Marks

(5) References of the course:

6.1: Miller's anesthesia

6.2: Clinical anesthesiology 4th ed

(6) Facilities and resources mandatory for course completion:

Lecture halls and data show.

Course coordinator: Dr. Maged Talaat Salama

Head of the department: Prof.Dr. Mona Abdelglil hashish

Date: 20/4/2016