



COURSE SPECIFICATION

(Elective courses)

Bone Marrow transplant

Faculty of Medicine–Mansoura University

(A) Administrative information

(1) Programme offering the course.	Postgraduate MD degree of Clinical Oncology and Nuclear Medicine/ CONM600
(2) Department offering the programme.	Clinical oncology and nuclear medicine department
(3) Department responsible for teaching the course.	Clinical oncology and nuclear medicine department
(4) Part of the programme.	second part
(5) Date of approval by the Department`s council	7/6/2016
(6) Date of last approval of programme specification by Faculty council	9/8/2016
(7) Course title.	Bone Marrow transplant
(8) Course code.	CONM617 BMT
(9) Credit hours	1.5 hour
(10) Total teaching hours.	22.5 hours



(B) Professional information

(1) Course Aims:

The broad aims of the course are as follows: (either to be written in items or as a paragraph)

- 1- To prepare our candidates to acquire the rationale of intensive chemotherapy.**
- 2- To prepare our candidates to use anticancer agents and how to deal with side effects of treatment.**
- 3- Provide the candidates with rationale and types of bone marrow transplantation.**
- 4- Prepare the candidates to be able to use bone marrow transplantation in treatment of cancer when indicated.**
- 5- To give our candidates the ability to manage acute and chronic graft versus host disease.**

(2) Intended Learning Outcomes (ILOs):

Intended learning outcomes (ILOs); Are four main categories: knowledge & understanding to be gained, intellectual qualities, professional/practical and transferable skills.

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

A- Knowledge and Understanding



The trainee should:

A 1: Define rationale of intensive chemotherapy.

A 2: Define rationale of bone marrow transplantation.

A 3: Describe types of bone marrow transplantation.

A 4: Identify indication of bone marrow transplantation.

A 5: Define acute graft-versus-host disease and chronic graft-versus-host disease.

B- Intellectual skills

B1: Recognize the indications, contraindications and potential complications of intensive chemotherapy

B2: Distinguish the indications, types, phases and potential complications of bone marrow transplantation

B3: Evaluate the management of acute graft-versus-host disease and chronic graft-versus-host disease.



(3) Course content.

Subjects	Lectures	Clinical	Laboratory	Field	Total Teaching Hours
*Intensive chemotherapy	2				2
• Rationale					
• Progenitor cells	1				1
• Indications	3				3
• Toxicity	2				2



*Bone marrow transplant					
• Introduction	2				2
• Types of transplantation	2				2
• Modification of stem- cell graft	1.5				1.5
• Collection of the graft	1				1
• Indication for transplantation	2				2
• Phases of transplantation	2				2
• Acute graft-versus-host disease	1				1
• Chronic graft-versus-host disease	1				1
• Management of relapse	2				2

(4) Teaching methods.



(5)

4.1. lectures

(6) **Assessment methods.**

written exam for assessment of Knowledge and intellectual skills.

Oral exam for assessment of Knowledge , intellectual and transferable skills

MCQ exam for assessment of Knowledge and intellectual skills.

Assessment schedule.

Assessment 1: written exam held after 6 semester of registration

Assessment 2: Oral exam held after 6 semester of registration (OSCE and Structured oral exams).

Assessment 3: MCQ at the end of each semester.

Percentage of each Assessment to the total mark.

Written exam: 48 marks.

Oral exam: 50 marks.

MCQ exam: 12 marks.



(7) References of the course.

6.1. Text books.

- **PerezCA, Brady LW, HalperinEC, et al.**, editors. *Principles and Practice of Radiation Oncology*. 5th ed. Philadelphia: Lippincott Williams & Wilkins; 2008.
- **Hansen EK and Roach M.**: *Handbook of Evidence-based Radiation Oncology*. 1st edition. New York: Springer Science+Business Media, LLC; 2007.
- **Casciato DA**, editor. *Manual of clinical oncology*. 6th edition. Philadelphia: Lippincott Williams & Wilkins; 2009.
- **DeVita VT, Hellman S, Rosenberg SA**, editors. *Principles and Practice of Oncology*. 8th ed. Philadelphia: Lippincott; 2008.

(8) Facilities and resources mandatory for course completion.

Candidates and their learning are supported in a number of ways:

- ☐ Candidates logbook
- ☐ Programme Specification
- ☐ Extensive library and other learning resources
- ☐ Computer laboratories with a wide range of software
- ☐ Intranet with a wide range of learning support material
- ☐ MSc/MD Dissertation Supervisor



Course coordinator:

Professor: Mohamed Elawady.

Assistant Professor: Ghada Ezzat Eladawei

Head of the department.

Professor : Ibrahim Awad.

Date:

P.S. This specification must be done for each course.