



COURSE SPECIFICATION

(Stem cell transplants)

Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Programme offering the course.	Postgraduate Doctorate degree of Medical Oncology
(2) Department offering the programme.	Internal Medicine Department
(3) Department responsible for teaching the course.	Medical Oncology Unit
(4) Part of the programme.	2 nd part
(5) Date of approval by the Department's council	2/08/2016
(6) Date of last approval of programme specification by Faculty council	9/8/2016
(7) Course title.	Stem cell transplants
(8) Course code.	MONC 610 SCT
(9) Total teaching hours.	30 hours/15 Weeks

(B) Professional information

1) Course Aim.

The broad aim of the course are as follows.

To provide the candidate with basics and principles of stem cell transplantation with special emphasis on preparation the patient for the procedure and management of the complications.

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

- A1. Identify the types of stem cell transplantation, complications of the transplant and supportive care.
- A2. Identify steps of immune reconstitution.
- A3. Define GVHD (acute and chronic), and its management.
- A4. Explain indications of stem cell transplantation.

B- Intellectual skills

- B1. Differentiate between different types of complications of stem cell transplantation.
- B2. Compare between different stages of infection post-transplant & between acute and chronic GVHD.
- B3. Differentiate between indications of allogenic and auto SCT.

3) Course content.

Subjects	Lectures	Clinical	Laboratory	Seminars	Total Teaching Hours
1) Biological properties of hematopoietic stem cells	4h				4h
2) Immunogenetics of allogeneic HSCT	2h				2h
3) Choice of the donor according to HLA typing and stem cell source	2h				2h
4) Principles of conditioning	2h				2h
5) Transfusion support in patients undergoing HSCT	2h				2h
6) Supportive care	2h				2h
7) Early complications after HSCT	2h				2h
8) Infections after HSCT	3h				3h
9) Graft-versus-host disease	2h				2h
10) Immune reconstitution after allogeneic HSCT	3h				3h
11) Late effects in patients treated with HSCT	4h				4h
12) Indications for and current practice of allogeneic and autologous HSCT	2h				2h

4) Teaching methods.

4.1 Power point presentation

5) Assessment methods.

5.1. Written exam for assessment of A1-4 , B1-3 ,

5.2. MCQ exam for assessment of A1-4 , B1-3

Percentage of each Assessment to the total mark.

Written exam: 80 marks 80% of total exam.

MCQ exam 20 marks 20% of total exam.

6) References of the course.

6.1 Hand books:

The 2012 revised edition of the EBMT-ESH Handbook on Haematopoietic Stem Cell Transplantation (J. Apperley, E. Carreras, E. Gluckman, T. Masszi)

7) Facilities and resources mandatory for course completion.

- Lectures Halls.
- Data show.

Course coordinator:

Prof. Sameh Shamaa

Prof. Tawfik Elkhodary

Dr. Ziad Emarah

Head of the department:

Prof. Salah El-Gamal

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