



COURSE SPECIFICATION

(Stem cell transplant)

Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Programme offering the course.	Postgraduate Master degree of clinical hematology/HEMA 500
(2) Department offering the programme.	Internal Medicine Department
(3) Department responsible for teaching the course.	Hematology Unit
(4) Part of the programme.	Second part
(5) Date of approval by the Department's council	26\4\2016
(6) Date of last approval of programme specification by Faculty council	9\8\2016
(7) Course title.	<u>Stem cell transplant</u>
(8) Course code.	HEM510SCT
(9) Total teaching hours.	30 hours
(10) Credit hours	2

(B) Professional information

(1) Course Aims:

The broad aims of the course are as follows.

- 1- To educate the candidate basic of stem cell transplantation
- 2- To educate the candidate how to prepare patient for transplant
- 3- To educate the candidate molecular basics of immune reconstitution
- 4- To identify indications of stem cell transplantation

(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: To explain the types of stem cell transplantation, complications of the transplant and supportive care

A2: To identify steps of immune reconstitution

A3: To identify GVHD (acute and chronic), and its management

A4: To explain indications of stem cell transplantation.

B- Intellectual skills

- B1:** To differentiate between different types of complications of stem cell transplantation.
- B2:** To compare between different stages of infection post-transplant & between acute and chronic GvHD
- B3:** To differentiate between indications of allogeneic and auto SCT
- B4** Assess patients for stem cell transplantation.
- B5** To evaluate severity of complications

D- Communication & Transferable skills

- D1:** To participate in a multidisciplinary case management conference or discussion.

(3) Course contents.

Subjects	Lectures	Clinical	Laboratory	Field	Total Teaching Hours
Histocompatibility	4				
Early complication after HSCT.	2				
Infection after HSCT	4				
Graft versus host disease	5				
Immune reconstitution after allogeneic HSCT and GVL	5				
Late effects in patients treated with HSCT	3				
Indications for and current practice of allogeneic and auto HSCT	3				
Documentation of engraftments	4				
	30h				30h

(4) Teaching methods.

4.1: Power point presentation.

4.2: Case discussion.

(5) Assessment methods:

5.1: Written and MCQ for assessment of

5.2: MCQ exam for assessment of

Assessment schedule:

Assessment 1 Final examination: after 36 months of job admission or 30 months of MS registration

Assessment 2: MCQ at the end of the semester

Marks of each assessment

MCQ exam : 20 marks

Written exam: 80 marks

(5) References of the course:

6.1: Hand books: oxford hematology handbook

6.2: Text book: ESH. EBMT Williams' Hematology, Wintrob's Clinical Hematology

(6) Facilities and resources mandatory for course completion:

-Lecture Halls.

-Data show.

Course coordinator: Prof. dr Sameh Shamaa

Prof. dr Mohamed Nasr

Prof. dr Emad Azmy

Head of the unit: Prof. dr Mohamed Nasr

Head of the department: prof. dr Salah El Gamal

Date of First Approval: 10/10/2012

Date of Last Approval: 30/03/2016