



Program Specifications for Medical Doctorate Degree In Dermatology

Program type: Single

Department offering the program: Dermatology Department

Program Code: DERM 915

Total credit points: 240 (100 for the medical doctorate degree + 140 for the previous master degree)

Academic year: 2016/2017

Program Coordinator: Prof Amr Rateb

Assistants of the program coordinator: Prof. Hoda Rasheed, Prof Wedad Mostafa, Prof Khaled El Hoshy, Prof Samia Esmat, Prof Eman Shaarawy, Prof Randa Yousef, and Prof Mona Abdel Halim.

External evaluators: Prof Dr Mahira Hamdy Al Sayed (Ain Shams University)

I. Aim of Program

The program is an academic degree that provides candidates with advanced level of training in different areas of dermatology including clinical dermatology, phototherapy, laser therapy, cosmetic dermatology, dermatosurgery, diagnostic techniques and dermatopathology. The program also focuses on upgrading research and presentation skills and developing the ability to interact with community problems, and respect ethical values according to community culture.

II. Intended Learning Outcomes of Program (ILOs)

1. Knowledge and understanding:

By the end of the program the candidates should be able to develop a knowledge and understanding of:

- a. Recent updates in the basic science related to human skin and its' appendages.
- b. Recent aetiopathogenic mechanisms behind dermatological conditions in all age groups.
- c. Histopathological features of a wide range of inflammatory, infectious and neoplastic skin conditions.
- d. The new lines of treatment of various skin diseases, their indications, side effects and precautions including recent types of phototherapeutic modalities.
- e. Details as regards the principles, indications, technique, precautions and side effects of dermatosurgical procedures, laser and cosmetic procedures.
- f. The rare cutaneous manifestations of internal disorders.

2. Intellectual skills:

By the end of the program the candidate should be able to:

- a. Interpret, analyze, integrate and document the history, symptoms, physical examination to reach an appropriate provisional diagnosis and differential diagnosis for difficult dermatological conditions and complicated cases.
- b. Design an appropriate diagnostic plan and select the most appropriate and cost effective investigations and diagnostic procedure.
- c. Interpret and analyze the results of investigations including histopathology and laboratory findings and integrate them with the history, symptoms and physical examination to reach a correct diagnosis of difficult dermatological conditions.
- d. Plan management and design rational therapeutic strategies of difficult and complicated cases with the appropriate involvement of the patient and family.
- e. Recognize rare skin manifestations of internal diseases.
- f. Corroborate the advances in knowledge which will occur in his/her work over his/her entire career.
- g. Address the changing health needs of the society in a manner consistent with scientific advancement and trends in health care delivery systems.
- h. Interpret and criticize medical evidence.
- i. Acquire educational and teaching skills such as preparing lectures and speeches, active participation in conferences and department meetings, and sharing in case presentation in grand rounds, journal clubs and book reviews activities.

3. Professional and practical skills:

By the end of the program the candidates should be able to:

- a. Competently carry out different therapeutic modalities for different dermatological disorders including phototherapy, advanced dermatosurgical procedures, laser therapy, and cosmetic procedures.
- b. Perform diagnostic procedures and histopathological examination for different dermatological conditions.
- c. Assess and manage patients with life-threatening conditions requiring critical care and outline an initial course of management.
- d. Monitor the efficacy of therapy of difficult and complicated cases by assessing the patient's response according to the relevant clinical and investigative parameters and re-evaluating management plan accordingly.
- e. Demonstrate the ability to plan, conduct and apply research in the field of dermatology.
- f. Develop and apply the practice of working in group in the various tasks.

4. General and Transferable skills: (These skills are the same mentioned in parts 1 and 2 of the residency training program, they should still be reinforced in this program)

By the end of the program the candidates should be able to:

1. Communication skills with patients:

- a. Demonstrate respect to all patients irrespective of their socio-cultural or religious status.
- b. Conduct patient interview with patience, attentive listening and respect.
- c. Adequately and clearly explain to the patient and/or his/her relatives the nature of the illness, diagnostic and therapeutic plans, possible complications, outcomes and costs.
- d. Counsel sensitively and effectively, and provide information in a manner which ensures that patients and families are adequately informed when being advised of their diagnosis and/or consenting to any procedures or treatment.
- e. Handle appropriately difficult situations such as conveying bad news or dealing with patient and family anger.
- f. Document patient records and maintain their privacy.
- g. Discuss the progression of the patient's condition, therapeutic outcomes and professional mistakes if any, in a way that promotes patient trust and confidence.
- h. Achieve optimal patient care, ease suffering and at the same time sustaining cost effectiveness of the whole treatment program to allow maximum benefit from available resources.
- i. Communicate with patients and their families, and to involve them fully in planning management

2. Communication skills with health care providers:

- j. Practice cost effective health care through proper resource allocation that does not compromise quality of care.
- k. Work with health care managers and health care providers to assess, coordinate, and improve patient care.
- l. Acknowledge medical errors and help in the development of operational systems to prevent them.
- m. Communicate effectively with other health care professionals to maximize patient benefit.
- n. Respect contributions of other health care providers regardless of degree and occupation.
- o. Seek formal and informal consultations from colleagues.
- p. Perform appropriate referral to other health care practitioners when necessary.

3. Continuing medical education:

- q. Appreciate the importance of continuing medical education and self learning in upgrading his/her knowledge and professional skills.
- r. Self assess his/her knowledge and skills and acquiring feedbacks from colleagues and supervisors continuously.

- s. Use different sources of biomedical information to remain in contact with the recent advances in dermatological practice.
 - t. Participate in research projects and help to develop research protocols.
4. Skills related to the health needs of the Egyptian community:
- u. Identify the Egyptian community health needs and properly utilize the given tools to provide high quality and cost-effective patient care.
 - v. Understand and utilize appropriate health care quality concepts.

III. Academic standards

1. Academic reference standers: The academic standers of anatomy program is adopted and accredited by the departmental council
2. External References for Standards:
 - a- European Union of Medical specialists (UEMS).
 - b- Joint Committee on Higher Medical Training (UK).
 - c- Australasian College of Dermatology (Australia).

IV. Program Admission Requirements

According to the Faculty of Medicine, Cairo University Bylaws for Post Graduate Programs (July 2009), applicants should have Master degree or equivalent accredited degree in the same specialty. Admission to the program is open during January and July. Training prior to registration may be accredited according to departmental and hospital evaluation.

V. Program Structure and Contents

Program duration: Two academic years.

Program structure: Total Credit points 240

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|--|-------------------------|
| I. Previous Master degree: | 140 points |
| II. Medical Doctorate degree: | 100 points |
| <ul style="list-style-type: none">• Compulsory Dermatology Course:
<i>Advanced Dermatology</i> | 16 credit points |
| <ul style="list-style-type: none">• Elective courses: one course to be chosen:<ul style="list-style-type: none">○ Light biology and LASER science (Advanced course)○ Pathology of the skin (Advanced course)○ Dermatotomy (Advanced course) | 2 credit points |
| <ul style="list-style-type: none">• Scientific activities<ul style="list-style-type: none">✓ <i>Journal club/ book review</i>✓ <i>Internet club</i>✓ <i>Clinical case presentations</i>✓ <i>Annual scientific meetings (departmental, national, regional or international)</i> | 6 credit points |
| <ul style="list-style-type: none">• Residency training program Part 3
(Clinical and practical training) | 36 credit points |
| <ul style="list-style-type: none">• Medical Doctorate Thesis: | 40 credit points |

<i>Program component (Title/Code)</i>		Credit Points	ILOs	
I. Previous Master Degree (3 academic years)		140	See before (master degree curriculum)	
II. Medical Doctorate Degree (2 academic years)		100		
Compulsory Dermatology Course				
Advanced Dermatology (DERM 915 T)		16	1 (a-f), 2(a-i), 3 (a-f), 4 (1-4)	
Elective courses* (One course is to be chosen)				
Pathology of the Skin (Advanced Course)	DERM 915 PS	2 2 2	1c, 3b	
Dermatosurgery (Advanced Course)	DERM 915 DS		1e, 3a	
Light Biology and Laser Science(Advanced Course)	DERM 915LBLS		1(d,e), 3a	
Scientific activities				
	Journal club/ Book review	2	6 1(a-f), 3e 1 (a-f) 2(a-e), 3(a-f), 4(1,2) 1 (a-f)	
	Internet club	1		
	Clinical case presentations	2		
	Scientific meetings	1		
Residency training program (Clinical & Practical Training)				
	Advanced training program	DERM 915 C	36	2 (a-i), 3(a-f), 4(1-4)
Thesis				
	Medical Doctorate Thesis		40	2f, 3e, 4(1-4)

***An elective course offered at an accredited Foreign University or Training Centre with the same credit points may be accepted after accreditation and approval of Departmental Council and Council for Post-graduate Studies.**

Scientific Activities

The students should actively participate in the scientific activities of the departments such as:

- *Journal club/ Book review*
- *Internet club*
- *Clinical Case Presentations*
- *Annual scientific meetings (departmental, national, regional or international).*

Each activity is monitored and given credit points registered in a special section in the residency-training logbook. The student should collect the required points before allowed to sit for final exam.

Residency Training Program (Advanced Training Program)

- **Third Phase:**

According the Faculty of Medicine, Cairo University Bylaws for Post Graduate Programs (July 2009), the duration of the advanced training is 24 months.

NB: The details of the training program are provided in separate document. The third phase of residency training (advanced training) is part of the MD degree

Medical Doctorate Thesis

All MD students should prepare a thesis in one of the main dermatology branches: clinical dermatology, dermatopathology, laser, phototherapy, cosmetics, dermatosurgery or other dermatology-related sciences. The department and the ethical committees must approve the protocol of the research. The thesis should include a review part and a research part. The Thesis is supervised by one or more senior staff members from the Dermatology department and may include other specialties according to the nature of the research. The thesis should be evaluated and approved by a committee of three professors including one of the supervisors and an external professor. Approving the thesis is mandatory to allow the student to sit for the final exam.

DERMATOLOGY MD DEGREE PROGRAM MATRIX

Courses / items		1 Knowledge and Understanding						2 Intellectual Skills						3 Professional Skills						4 General and Transferable Skills					
		a	b	c	d	e	f	a	b	c	d	e	f	g	h	i	a	b	c	d	e	f	1	2	3
915 T	Advanced Dermatology	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x						
	Elective courses																								
915 PS	<i>Pathology of the skin</i>			x												x									
915 DS	<i>Dermatosurgery</i>					x										x									
915 LBLS	<i>Light biology and laser science</i>				x	x										x									
	Scientific Activities																								
	<i>Journal club/ Book review</i>	x	x	x	x	x	x													x					
	<i>Internet club</i>	x	x	x	x	x	x																		
	<i>Clinical case presentations</i>							x	x	x	x	x				x	x	x	x	x	x	x			
	<i>Annual scientific meetings (Reg., National , Departmental or International)</i>	x	x	x	x	x	x																		
915 C	Advanced Training Program							x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	
	MD Thesis													x						x	x	x	x	x	

VI. Regulations for Progression and Program Completion

After collecting the required credit points for the respective courses, the advanced residency training, the scientific activities, and the thesis the student will be eligible to sit for the final examination. In case the student fails to pass the examination, he/she may resubmit for the next examination. The candidate will receive his/her degree after passing this final examination. MD degree should be obtained within a maximum of 6 years after registration date.

VII. Assessment

A: Assessment Tools

- **Supervision and Monitoring of Training Program**

According to the Faculty of Medicine, Cairo University Bylaws for Residency Training Programs, coordinators carry continuous assessment during the program. A residency training logbook including scientific activities will be kept for each student to document all his/her activities. The head of the department should allow the students to undergo the final examination when they complete their training program and collect the credit points needed.

- **Formal Assessment**

According to the Faculty of Medicine, Cairo University Bylaws for Post Graduate Programs (July 2009). Students should be assessed at the end of the program.

Advanced Dermatology: Two written exams (3 hours each) + Case commentary (1.5 hours) + Clinical exam + Oral exam

Elective courses (Advanced): One written exam (3 hours) + oral + clinical/practical exam

The candidate should pass the written examination before sitting for the oral and clinical examinations. If he/she fails to pass three consecutive oral and/or clinical exams, the result of the previous written examination will be invalid and the candidate should re-sit for a new written examination.

B: Assessment Schedule:

The written exam will be held in May/November (five days):

Day one: Paper 1 (DERM 915 T)

Day two: Paper 2 (DERM 915 T)

Day three: Case commentary

Day four: Elective course

This will be followed by the clinical and oral exams on separate days

C: Weighing Of Assessment (Marks allocated to courses):

(50 marks for each credit point)

Courses		Marks			
Code	Title	Written	Oral	Clinical	Total
Compulsory course					
915 T	Advanced Dermatology	Paper 1: 150 Paper 2: 150 Case commentary: 150	150	200	800
Elective courses (choose one course)					
915 PD	Pathology of the Skin (Advanced Course)	50	25	25	100
915 DS	Dermatosurgery (Advanced Course)				
915 LBLS	Light Biology and Laser Science(Advanced Course)				
Total					900

Remarks

- It is mandatory to pass all the papers of written exams separately.
- The passing mark in any written exam is $\geq 60\%$.

VIII. Evaluation of Program Intended Learning Outcomes

Evaluator	Tool	Sample
1. Senior Students	Questionnaire at the end of the program	All the PG students
2. Alumni	The faculty is currently developing an Alumni office for postgraduates	Not yet determined
3. Stakeholders	A meeting will be arranged during annual conference of the department	Available representatives from: <ul style="list-style-type: none"> - Army hospitals - National medical insurance - Medical syndicate - Ministry of health
4. External Evaluators	Review program and courses Attending the final exam	Once before implementation Bi-annual report
5. College Quality Assurance committee	Annual program reviewer	

Signatures

Date of approval by department:

December 2016

Program coordinator:

Prof. Amr Rateb

Assistants of the program coordinator:

Prof. Hoda Rasheed
Prof. Wedad Mostafa
Prof. Khaled El Hoshy
Prof. Samia Esmat
Prof. Eman Shaarawy
Prof. Randa Yousef
Prof. Mona Abdel Halim.

Head of Department:

Prof. Bakr Al Zawahry