

University: Al-Azhar University

Faculty: Faculty of medicine

Department: Dermatology and venereology.

Course Specification of Dermatology and Venereology

Master Degree (first part)

1. Course Data		
Course Code:	1. Course Title: Dermatology And Venereology	Academic Year / level: Master Degree 2 nd Part
Specialization: Dermatology And Venereology	No. of teaching Units: three	Lecture: Practical:

2. Course Aim	At the end of this course, the students understand the modern concepts of different dermatological and venereal disorders. Also, they should use different sources of information to obtain data and learn independently.
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3. Intended Learning Outcome (ILOs):

a. Knowledge and Understanding:	By the end of the course the candidate will be able to: <ol style="list-style-type: none">1. Recognize the normal structure of the skin, primary and secondary skin lesions and function and development of the male and female genital systems and anatomy and factors or diseases that may disturb their functions.2. Understand aetiology, pathology, symptoms, signs, history and prognosis of dermatological, venereal and andrological diseases of all ages.3. Distinguish diagnostic procedures: their uses and limitations and performing simple outpatient procedures necessary for diagnosis of dermatological and sexually transmitted diseases.
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	<ol style="list-style-type: none"> 4. Understand management of different dermatological, andrological and medical conditions including pharmacological, physical, nutritional and psychological therapies in a qualified manner. 5. Identify principles of health education and disease prevention related to the skin and internal diseases. 6. Assimilate the advances in knowledge which will occur over the working life and recognize methods of scientific research. 7. Recognize the effect of environmental factors on different dermatoses. 8. Cope with ethical, legal issues, and quality standards which occur during the management of the patients as regard dermatology and venereal diseases.
<p>b. Intellectual Skills:</p>	<p>By the end of the course the candidate will be able to:</p> <ol style="list-style-type: none"> 1. Plan and carry out management strategy for different dermatological problems and sexually transmitted diseases and andrological problems. 2. Integrate results of clinical examination with the investigational procedures to solve different dermatological problems and its differential diagnosis. 3. Deal with uncertainty in problems that do not conform to classic data. 4. Conduct a scientific research. 5. Evaluate benefit/risk ratio of different dermatological therapies. 6. Plan for improvement of dermatological practice (projects and guidelines for management of different diseases) 7. Diagnose and take the decision of the best treatment option of dermatological diseases, sexually transmitted and andrological problems and their differential diagnoses. 8. Diagnose and take the decision of the best treatment option of dermatological diseases, sexually transmitted diseases, and andrological problems and their differential diagnoses.
<p>c. Professional Skills:</p>	<p>By the end of the course the candidate will be able to:</p>

	<ol style="list-style-type: none"> 1. Take a detailed dermatological history. 2. Perform thorough dermatological examination. 3. Perform different investigation techniques including mycology, skin biopsy, perform out patients procedures efficiently for different andrological problems, comedo extraction, cryocautery, electrocautery and phototherapy. 4. Apply different assessment methods used to assess sexually transmitted diseases. 5. Able to analyze the connection between skin and internal or systemic disorders. 6. Able to determine the efficacy of topical, phototherapy, systemic therapy and surgical procedures in different dermatoses. 7. Manage emergency conditions that may arise during treatment of severely ill admitted patients. 8. Perform dermatological outpatient and cosmetic procedures efficiently. 9. Interpret and appraise a written dermatopathology report 10. Write and appraise a medical report.
<p>d. General and transferable Skills:</p>	<p>By the end of the course the candidate will be able to:</p> <ol style="list-style-type: none"> 1. Work together in small groups, for practical and seminar work 2. Skills necessary for oral presentation. 3. Demonstrate effective communication with patients, relatives and awareness of the impact of chronic dermatological diseases on the family and society and venereal diseases. 4. Provide education and advice to a patient with skin or venereal disease. 5. Use information technology to improve her dermatological practice & for self learning. 6. Learn independently. 7. Manage the time efficiently.
<p>4. Course Content</p>	<p>A) Dermatology:</p> <ul style="list-style-type: none"> Basics of dermatology <ul style="list-style-type: none"> • Normal skin histology. • Physiological function of the skin. • Diagnosis of skin diseases.

- Histopathology of the skin: general principles.
- Skin inflammation: cells, molecules, mediators.
- Immunology and allergy: pathogenesis and sequelae.
- Wound healing and skin regeneration.

Genodermatoses

Introduction to genetics, prenatal diagnosis and selected syndromes.

Vesiculobullous disorders

Immunobullous and mechanobullous dermatoses.

Papulosquamous disorders

- Psoriasis.
- Lichen planus and lichenoid reactions.
- Pityriasis rubra pilaris.

Allergic skin disorders

- Eczema.
- Atopic dermatitis.
- Contact dermatitis: allergic, irritant and occupational.
- Mechanical and thermal injury.
- Urticaria and angioneurotic edema.

Autoimmune collagen diseases:

- Lupus erythematosus.
- Scleroderma and morphea.
- Mixed connective tissue diseases and dermatomyositis.
- Lichen sclerosis, sjogren syndrome and rheumatoid diseases.
- Antiphospholipid syndrome.

Non infectious granuloma and sarcoidosis.

Bacterial skin infections

- Normal flora, gram positive, negative and anaerobic bacteria.
- Mycobacterial infections: tuberculosis, leprosy and atypical mycobacteria.

Viral skin infections

General pathology, herpes viruses, human papilloma virus, retrovirus, hepatitis viruses, Gianotti-Crosti syndrome and pityriasis rosea.

Parasitic skin infections

Leishmaniasis, scabies and pediculosis.

Fungal skin infections

	<p>Superficial, subcutaneous and systemic mycoses and their management.</p> <p>Protozoal skin infections</p> <p>Cutaneous vascular disorders</p> <p>Diseases of subcutaneous fat</p> <p>Drug reactions</p> <p>Photodermatoses: basic principles, normal and abnormal reactions, photodermatoses and phototherapy.</p> <p>Reactions to physical agent</p> <p>Primary perforating dermatoses</p> <p>Degenerative skin disorders</p> <ul style="list-style-type: none">• Elastin.• Collagen.• Premature aging.• Histiocytic proliferative disorders.• Mastocytosis. <p>Metabolic and nutritional disorders</p> <ul style="list-style-type: none">• Porphyria.• Xanthoma and hyperlipidaemia.• Amyloidosis.• Calcinosis.• Mucinoses and amino acid metabolism disorders.• Lipoid proteinosis.• Angiokeratoma.• Nutrition and the skin. <p>Pigmentary disorders:</p> <ul style="list-style-type: none">• Melanocyte biology, function and hypermelanosis.• Vitiligo.• Other disorders of pigmentation. <p>Erythema and telangiectasia</p> <ul style="list-style-type: none">• Diffuse, localized, figurate, multiforme and toxic.• Erythroderma.• Flushing, rosacea and perioral dermatitis.• Purpura and telangiectasia. <p>Hair disorders: physiology of hair and pathology.</p> <p>Nail disorders: anatomy, biology and pathology.</p> <p>Sweat gland disorders</p> <p>Structure, function and common diseases of eccrine</p>
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	<p>and apocrine glands.</p> <p>Sebaceous gland disorders</p> <p>Structure, function and diseases including acne vulgaris, naevi and tumours.</p> <p>Tumours of the epidermis: benign, premalignant and malignant.</p> <p>Tumours of melanocytes</p> <p>Melanocytic nevi and malignant melanoma.</p> <p>Tumours of blood vessels</p> <p>Tumours of neural tissue</p> <p>Tumours of adipose tissue</p> <p>Lymphoma and leukemia</p> <p>Metastatic tumours</p> <p>Skin and systemic diseases</p> <p>Geriatric dermatoses and psychocutaneous disorders: a spot light.</p> <p>Neonatal and pediatric dermatoses</p> <p>Pregnancy related dermatoses</p> <p>Occupational dermatoses</p> <p>Pruritus and prurigo</p> <p>Pathway, mediators, modulators, situations and management.</p> <p>Cosmetic dermatology, LASER, cryotherapy and skin surgery.</p> <p>General aspects of treatment:</p> <ul style="list-style-type: none">• Systemic, local and others.• Steroids.• Retinoids.• Antifungal drugs.• Antibiotics and dapsone. <p>Antihistaminics and antiallergic drugs.</p> <p>B) Venereology:</p> <ul style="list-style-type: none">• Epidemiological aspects of STDs.• Anatomical aspects of STDs.• Gonococcal infections.• Non-gonococcal infections.• Lymphogranuloma venereum.• Chancroid.• Syphilis.• Genital herpes.• Genital warts.• Genital trichomoniasis.• Genital candidiasis.
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	<ul style="list-style-type: none"> • Molluscum contagiosum. • AIDS • Genital discharge • Genital ulcers. • Genital malignancy. • Prostatitis. • Epididymitis • PID (pelvic inflammatory disease). <p>C) Sexology:</p> <ul style="list-style-type: none"> • Anatomy and physiology of male and female reproductive systems. • Sexual development. • Sexual cycle of both male and female. • Male and female sexual dysfunction. • Abnormal sexual behavior. • Homosexuality. • Intersex. <p>D) Andrology:</p> <ul style="list-style-type: none"> • Puberty disorders. • Erectile dysfunction. • Ejaculatory disorders. • Varicocele. • Emergency in andrology. • Male infertility. • ARTs and contraception.
<p>5. Teaching and Learning Methods and facilities</p>	<ul style="list-style-type: none"> • Lectures. • Seminars. • Clinical rounds. • Tutorials • Rooms for small groups teaching • White boards. • Audio visual aids (data shows). • Faculty and department library.
<p>6. Student Assessment:</p>	
<ul style="list-style-type: none"> • <u>Assessment tools:</u> 	<p>Attendance criteria (prerequisite for exam entry):</p> <ul style="list-style-type: none"> • Satisfactory completion of the Clinical and Skills Logbooks and assignment, satisfactory attendance in lectures, seminars, and clinical rounds. • At least 75% attendance of the clinical terms and lectures. • This will be documented by the tutor in the

	student's log book. Assessment tools: <ul style="list-style-type: none"> • Summative assessment which is held at the end of the course and includes: • Written dermatology exams (paper I, paper II, and MCQ). • Written venereology exams (paper I, paper II, and MCQ). • Clinical exams • Oral exams. 	
c. Schedule:	April / November	
d. Weighing of Assessment:	Attendance Written dermatology exam (2 papers) Written venereology exam (2 papers) Clinical dermatology exam Clinical venereology exam Oral dermatology exam Oral venereology exam Total NB: <ul style="list-style-type: none"> • At least 40 % is needed to pass written exam and total of all marks not less than 60 %. • No lower limit for success in oral or clinical exam 	300 300 100 100 300 300 1400
7. List of Textbooks and References:		
Required Books (Textbooks)	<ul style="list-style-type: none"> • Andrew's textbook of dermatology, 11th edition, 2011, El Sevier • Rook textbook of dermatology, 8th edition, 2010, wely-blakwell • Lever's textbook of dermatopathology, 11th edition, 2014 • Fitzpatrick textbook of dermatology, 8th edition, 2012, McGraw Hill • Bolognia et al., 3rd edition 2012, El Sevier. • Male Reproductive Health and Dysfunction, (Editors). 	

	<ul style="list-style-type: none"> • ABC of Sexually Transmitted Infections,
Periodicals, Web Sites, ..., etc.	<ul style="list-style-type: none"> • Journal of the American academy of dermatology • British journal of dermatology. • International journal of dermatology. • Fertility and sterility • www.pubmed.com • www.sciencedirect.com • www.azharderma.com

Program Coordinators:

Prof. NayeraMoftah

Dr. Mohamed El Hariri

Heads of Departments:

Prof. Mohamed Kotb Ibrahim

Prof. Faten Abdel Wadood

Prof. Abd El KhalekHasanYones

Prof. RabieBedir Attalla