

Dermatology Residency Program:

a. Dermatology Training Curriculum

Dermatology is a branch of medicine dealing with the hair, nails, skin and related diseases. It is a specialty with both medical and surgical aspects. A dermatologist takes care of diseases, in the widest sense, and some cosmetic problems of the skin, scalp, hair, and nails.

Training duration: Four years

Course Titles:

Overview of Basic Science
Pruritus
Papulosquamous and Eczematous Dermatoses
Urticarias, Erythemas and Purpuras
Vesiculobullous Diseases
Adnexal Diseases
Rheumatologic Dermatology
Metabolic and Systemic Diseases
Genodermatoses
Pigmentary Disorders
Hair, Nails and Mucous Membranes
Infections, Infestations and Bites
Disorders due to physical agents
Disorders of langerhans Cells and macrophages
Atrophies and Disorders of Dermal Connective Tissues
Disorders of Subcutaneous Fat
Vascular disorders
Neoplasms of the skin
Medical therapy
Physical treatment modalities
Surgery
Cosmetic surgery
Histopathology of the skin

Procedural Skills:

Anesthesia
Biopsy Techniques and Basic Excisions
Small flaps and grafts
Nail Surgery
Chemical and Mechanical Skin Resurfacing
Liposuction
Soft Tissue Augmentation
Botulinum Toxin

Ultraviolet Therapy

Laser

Photodynamic Therapy

Cryosurgery

Electrosurgery

References for Final Exams:

– textbooks

Dermatology Bologna (latest edition, 2012, Jane L. Bologna)

Lever Histopathology of the skin (tenth edition, 2010, David D. Elder)

– journals

Selected articles from systematic reviews and review articles from the following journals:

Journal of the American Academy of Dermatology

British Journal of Dermatology

Archives of Dermatology (JAMA of Dermatology)

Iranian Journal of Dermatology

B. course description

Dermatology Department of Tehran University of Medical Sciences offers a four-year residency program. Our residency program is designed to provide training that will allow residents to achieve a high degree of expertise in clinical dermatology as well as special training in the basic sciences pertinent to the teaching, research, and practice of dermatology. During their training program, residents will have the opportunity to spend time on different dermatologic services as follows:

- Outpatient clinics (about 25 months, residency year 1-4): These are general and special dermatology clinics and represent a wide diversity of medical and surgical disorders.

- Cryotherapy and cauterization clinic (two months, residency year 1): Students become expert in cryosurgery, electro-surgery and skin lesional injections.

- Skin outpatient operating room (four months, residency year 2-4): Students will learn to develop proficiency in basic surgical skills, biopsies (shaves and punches) and simple excisions and repair, excisions with intermediate level of repairs; intermediate flap, graft & second intention wound closures. Also, they will acquire experience in chemical peels, cosmetic and aesthetic surgery.

- Inpatient Service (four months, years two and three): Students will acquire experience in the evaluation and management of inpatients with skin diseases

- Rotations Clinics

Histopathology (4 months, years 1-4)

Plastic surgery (two months, years 2-4)

Phototherapy and laser (1 Month, Year 4)

Mycology and leprosy (1 Month, Year 4)

Rheumatology (1 Month, Year 3 or 4)

All of the clinics are active from 8 a.m. till 13 p.m. from Saturday to Thursday. Classes are held from 12:30 p.m. to 14 p.m. from Saturday to Wednesday which are clinic-pathological classes, grand rounds, journal clubs, reviewing textbooks, faculty conferences, and interesting case

discussion. They are administrated by dermatology and pathology professors with active residential attendance.

Residents have to stay in hospital for 24 hours, 2-8 days a month to visits the emergency patients and teach lower residents and interns.

Evaluation: Each year, a maximum of 300 scores for each resident will be considered. From these 300 scores, 150 are given to the basics of OSCE, professionalisms and overall assessment of their performance by faculty members. They can earn 150 scores from MCQ exams which are held during and at the end of each year of residency. At the end of the residency period, residents will participate in specialized pre-board exam and if they earn the minimum required score, they will be qualified as dermatologist. The board exam is held at the end of residency period and students can earn board-exam qualification after success in this exam.

A Program for Students of Medical Dermatology

Fourth and fifth year medical students of Tehran University of Medical Sciences (TUMS) have a four-week obligatory course of dermatology at Razi Hospital.

This course consists of both theoretical and practical lessons. The theoretical classes held by Department of Dermatology include 20-22 sections including all materials which can be useful for general practitioners.

The practical course is held in dermatology clinics and wards. In this course the students become familiar with semiology and basic management of skin disorders.

Details of the four-week course are following as a sample.

First Week

Day	Theoretical sessions			Practical sessions	
	Time	Content	Instructor	Time	Instructor
Sat	8-10 10-12	Semiology Pathology	Dr. Mortazavi Dr. Naraghi		-
Sun	8-10	Dermatitis	Dr. Ghiasi	10-12	Dr. Farnaghi & Dr. Emadi
Mon	8-10	Fungal diseases	Dr. Valikhani or Dr. Abedini	10-12	Dr. Daneshpazhooh & Dr. Sadeghinia
Tue	8-10 10-12	Viral diseases Scabies & Pediculosis	Dr. Mansoori or Dr. Feizi Dr. Noor-Mohammad Pour		-
Wed	8-10	Acne	Dr. Hallaji	10-12	Dr. Hallaji Dr. Mortazavi

Second Week

Day	Theoretical sessions			Practical sessions	
	Time	Content	Instructor	Time	Instructor
Sat	8-10 10-12	Bacterial Diseases	Dr. Ghandi	10-12	Dr. Ghiasi & Dr. Nasimi
Sun	8-10	Atopic dermatitis & Seborrheic dermatitis	Dr. Akhyani	10-12	Dr. Farnaghi & Dr. Emadi
Mon	8-10	Psoriasis and Pityriasis rosea	Dr. Danesh-Pazhooh	10-12	Dr. Abedini
Tue	8-10 10-12	Nevus and melanoma Lichen Planus and Drug reactions	Dr. Seirafi Dr. Farnaghi		Dr. Sadeghinia
Wed	8-10	Skin tumors	Dr. Ehsani	10-12	Dr. Ehsani & Dr. Noor- Mohammad Pour

Third Week

Day	Theoretical sessions			Practical sessions	
	Time	Content	Instructor	Time	Instructor
Sat	8-10 10-12	Hair diseases	Dr. Balighi	10-12	Dr. Ghandi & Dr. Nasimi
Sun	8-10	TB and Leishmaniasis	Dr. Sadeghinia	10-12	Dr. Farnaghi & Dr. Emadi
Tue	8-10	Skin manifestations of systemic diseases Leprosy	Dr. Lajevardi Dr. Khatami		
Wed	8-10	Vitiligo & Connective tissue diseases	Dr. Ghodsi	10-12	

Fourth Week

Day	Theoretical sessions			Practical sessions	
	Time	Content	Instructor	Time	Instructor
Sat	8-10 10-12	Urticaria & angioedema & erythema multiforme and SJS & TEN	Dr. Esmaili	10-12	Dr. Ghiasi & Dr. Nasimi
Sun	8-10	AIDS & Syphilis	Dr. Emadi	10-12	Dr. Farnaghi & Dr. Emadi
Wed	Final Exam				