

Cutaneous Manifestations of Systemic Diseases

Code: 103614
ECTS Credits: 3

Degree	Type	Year	Semester
2502442 Medicine	OT	5	0
2502442 Medicine	OT	6	0

Contact

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Use of Languages

Principal working language: catalan (cat)
Some groups entirely in English: No
Some groups entirely in Catalan: No
Some groups entirely in Spanish: No

Teachers

Carlos Ferrándiz Foraster
Vicente García-Patos Briones
Miguel Ribera Pibernat
María Josefa Fuente González
Luis Puig Sanz
Maria Pilar Garcia Muret
Jorge Romani de Gabriel
Ingrid Lopez Lerma
Adrià Plana Pla
Julio Bassas Vila
Maria Gloria Aparicio Espanyol
Esther Roe Crespo
Jorge Mollet Sánchez
Aram Boada Garcia
Carla Ferrandiz Pulido
Manel Carrascosa Carrillo

External teachers

Ane Jaka Moreno

Prerequisites

It is advisable to have previously reached basic competences in cellular and molecular Biology, Genetics and Immunology.

It is convenient to have sufficient knowledge in Physiopathology, and Clinical Semiology and Internal Medicine.

It is essential to have achieved a general knowledge in Dermatology, the elementary lesions and the most frequent pathologies.

The student will acquire the commitment to preserving the confidentiality and professional secrecy of the data to which

he / she may have access because of their learning performance in the assistance services. The student is committed to

an attitude of professional ethics in all his/her actions.

Objectives and Contextualisation

This is an optional subject linked to the Mention in Medical Clinic. It is taught in the fifth year of the Degree in Medicine.

Basic knowledge about the different medical and surgical pathologies has been obtained and basic knowledge about the different medical and surgical pathologies has been obtained.

The general objective is the study of the skin manifestations of all those diseases that affect other organs and systems and that cause skin disease at the same time.

The knowledge of these manifestations will allow students to deepen their study of Dermatology, and to better understand the relationship of the skin with internal diseases.

In addition, and above all, they will be able to recognize those skin lesions that may indicate severity or that will act as a sign of a systemic disease, a malignancy, or an hereditary disease.

This subject reflects the importance of understanding the skin as an integral part of the human body and global health.

Competences

Medicine

- Establish a diagnostic approach and a well thought-out strategy for action, taking account of the results of the anamnesis and the physical examination, and the results of the appropriate complementary tests carried out subsequently.
- Indicate the basic diagnosis techniques and procedures and analyse and interpret the results so as to better pinpoint the nature of the problems.
- Maintain and sharpen one's professional competence, in particular by independently learning new material and techniques and by focusing on quality.
- Obtain and prepare a patient record that contains all important information and is structured and patient-centred, taking into account all age and gender groups and cultural, social and ethnic factors.
- Recognise and take action in life-threatening situations and others that require an immediate response.

Learning Outcomes

1. Enumerate the necessary complementary explorations that can lead to accurate diagnosis in a case of dermatosis, including laboratory studies and serological, immunological, microbiological and dermatopathological studies.
2. Establish a diagnostic and therapeutic approach in emergencies.
3. Establish clear and effective communication with patients and their family-members.
4. Identify skin diseases that can be the expression of a systemic illness.
5. Identify skin injuries from possible life-threatening processes.
6. Identify the major skin injuries and describe them appropriately.
7. Justify the complementary examinations that can lead to the diagnosis of a systemic disease from the visualisation, diagnostic suspicion and confirmation of a particular dermatosis.
8. Maintain and sharpen one's professional competence, in particular by independently learning new material and techniques and by focusing on quality.
9. Put forward a clinical differential diagnosis based on skin injuries.

Content

It is an optional subject linked to the Mention in Medical Clinic. It is taught in the fifth year of the Degree in Medicine.

has been achieved and basic knowledge about the different medical and surgical pathologies has been obtained.

The general objective is the study of skin manifestations of all those diseases that affect other organs and systems and that cause skin disease at the same time.

The knowledge of these manifestations will allow students to deepen the study of Dermatology, understand the relationship of the skin with internal diseases and, above all, recognize skin lesions that may indicate severity or be a sign of a systemic disease, a neoplasia or an hereditary disease.

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METHODOLOGY

ACTIVITIES (TYPE)	ACTIVITY	TITLE
Dirigida	Lecture	Cutaneous manifestations of autoimmune connective tissue diseases
	Lecture	Vasculitis and pseudovasculitis
	Lecture	Genodermatosis with malignancy predisposition
	Lecture	Clinical and genetic diagnosis of neurocutaneous diseases
	Lecture	Cutaneous manifestations of endocrine and metabolic diseases
	Lecture	Cutaneous lesions in immunosuppressed states
	Lecture	Cutaneous manifestations in gastrointestinal tract diseases
	Lecture	Cutaneous signs of diagnostic value in the Emergency Unit
	Lecture	Vascular anomalies of childhood: hemangiomas and vascular malformations

Lecture Drug cutaneous reactions

Clinical case seminars Clinical cases

Supervised

Care practicum without guidelines Assistance 3 hours a day in the Dermatology outpatient for 1 week (5 days)

AUTÓNOMOUS ACTIVITIES

Self-study and realization of schemes,

summaries and conceptual assimilation

Total: 41 hours

Methodology

DOCENT METHODOLOGY

- Directed (~20% (15 hours) theory, classroom practices, clinical case seminars and clinical care practices)
 - Theory: 10 lectures of 1 hour of duration per lecture.
 - 5 hours of classroom practices that will be distributed in the form of ½ hour after each master class
- SUPERVISED (~20-25%. Care practicum without guidelines, supervised practices, virtual calsses)
 - CARE PRACTICUM WITHOUT GUIDELINES
 - Assistance 3 hours each day to the Dermatology outpatient, during 1 week (5 days). It will be an optional activity
 - TUTORIALS
 - The tutorials will not count as face-to-face hours, but they can be programmed and carried out

individually or in groups, in the teachers' office, in teaching spaces or using ICTs. The student must be informed about the hours of attention of the teaching staff

- AUTONOMOUS
Comprehensive reading of texts and articles, study and realization of schemes
- EVALUACIÓN (5% total 3,75 hours):
Continuous evaluation through assistance and work in class

Activities

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
CLASSROOM PRACTICES	5	0.2	2, 4, 5, 6, 9, 1
THEORY	10	0.4	2, 4, 5, 6, 8, 9, 1
Type: Supervised			
CARE PRACTICUM WITHOUTH GUIDELINES	15	0.6	3, 4, 6, 9, 7, 1
Type: Autonomous			
PERSONAL STUDY / READING OF ARTICLES / REPORTS OF INTEREST	41	1.64	8

Assessment

Assessment activity	Weight
Class attendance	30%
Objective test of multiple choice	40%
Clinical case seminars	30%

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Assistance and active participation in classes and seminars	30%	0	0	3, 2, 4, 5, 6, 9, 7, 1
Evaluation through case studies and problem solving	30%	3	0.12	3, 2, 4, 5, 6, 8, 9, 7, 1
Written evaluation through objective tests: multiple response items	40%	1	0.04	4, 6, 9

Bibliography

Bielsa I. Ferrándiz, Dermatología clínica. 5ª ed. Barcelona: ed. Elsevier, S.A.; 2019

Jean L Bologna, Julie V Schaffer, Lorenzo Cerroni. Jean L Bologna, Dermatology. Fourth Edition. Elsevier 2017

Christopher Griffiths, Jonathan Baker, Tanya Bleiker, Robert Chalmers, Daniel Creamer. Rook's Textbook of dermatology. Ninth edition, Wiley Blackwell 2016

Internet resources

Wainwright BD. Clinically Relevant Dermatology Resources and the Internet: An Introductory Guide for Practicing Physicians. Dermatology Online Journal 5(2): 8 (<http://dermatology.cblib.org/DOJdesk/desj.html>)

ADES: Advanced Dermatology Education Server (<http://ades.tmc.edu.tw/english/default.htm>).

Dermatology Image Bank at the University of Utah School of Medicine (<http://www-medlib.med.utah.edu/kw/derm/>)

Dermatology Online Image Atlas (DOIA) (http://dermis.net/bilddb/index_e.htm)

University of Iowa, Department of Dermatology Home Page (<http://tray.dermatology.uiowa.edu/home.html>)