

| | | | | |
|---------------------------------------|---|-------------------|-----------------------------------|-------------------------------------|
| 講義ユニット名 Title of Lecture | Dermatology | | 所属科目名 Title of Course | Clinical diagnosis and treatment II |
| 講義ユニット責任者 Responsible Instructor | HIDE MICHIHIRO | 所属 Affiliation | Dermatology (内線 Ext. Number 5235) | |
| | | メール E-mail | | |
| 講義ユニットコーディネーター Lecture Coordinator | TANAKA MAIKO | 所属 Affiliation | Dermatology (内線 Ext. Number 2877) | |
| | | メール E-mail | | |
| 授業方法 Lesson Style | Lectures using Power Point slides. | | | |
| 概要 Overview | <p>The skin is the largest organ of the human body. It consists of various type cells and plays an important role as the first layer of biological defense, covering the body to separate the internal organs from the external environment. Moreover, they are deeply involved in systemic inflammation and/or immune responses. Above all, healthy and good quality skin is an essential factor to live a fulfilling social life. Dermatology deals with all abnormalities of the skin and is involved in a wide variety of knowledge and skills of the medicine. In this series of lectures, students will learn the dermatological knowledge that is essential in general medicine and ways of understanding and treatments of skin diseases.</p> | | | |
| 講義ユニットの到達目標 Academic Goals | <p>Illustrate and explain the morphology of the skin.</p> <p>Explain the kinetics of the cells in the skin, and the mechanisms of cornification and melanin formation.</p> <p>Explain the immunological defense mechanism of the skin.</p> <p>Explain sebum secretion, sweating, and percutaneous absorption.</p> <p>Give an outline of the mechanisms underlying allergies.</p> <p>Give an outline of the characteristics and development of allergic diseases.</p> <p>Explain the symptoms, diagnosis, and treatment of anaphylaxis.</p> <p>Give an outline of drug allergies.</p> <p>Give an outline of clinical examinations of the skin (diascopy, dermatography, Nikolsky's phenomenon, Tzanck test, skin thermometry, sweat test, sebum measurement, and phototest).</p> <p>Explain skin allergy tests (prick test, intracutaneous test, and patch test).</p> <p>Give an outline of microorganism tests (method for specimen collection, potassium hydroxide (KOH)-stained direct microscopy, bacterial/fungal culture testing, and spirochete detection).</p> | | | |

Give an outline of lesions of the dermal appendages.

List the types and major causes of rashes.

Describe and classify findings of rashes.

Explain important points in the diagnosis of rashes.

Explain eczematous reaction.

List diseases in the eczema/dermatitis group (contact dermatitis, atopic dermatitis, seborrheic dermatitis, nummular eczema, asteatotic eczema, and autosensitization dermatitis) and give an outline of these diseases.

Explain the pathology, diagnosis, and treatment of urticaria.

Explain the causes, and pathologies of erythema multiforme exudativum, erythema annulare, and erythroderma.

Explain the causes and pathology of pruritus.

Explain the causes, symptoms, and pathologies of skin blood circulation disorders and vasculitis.

Explain the pathogenesis, symptoms, and treatment of drug eruptions and other skin disorders due to medications.

List major drugs that are likely to cause a drug eruption.

Explain the causes, pathology, and classification of autoimmune bullous dermatoses.

Explain the types and pathology of pustule.

Explain diagnostic methods for bullous disease.

Explain the types and pathology of epidermolysis bullosa hereditaria.

Explain the pathologies, symptoms and treatments of plaque psoriasis, lichen planus, and pityriasis rosea Gibert.

List the types of nevi and phakomatoses.

Explain the symptoms of and how to treat malignant melanoma.

Explain the types and pathology of leucoderma.

Explain the types of and how to differentiate benign skin tumors, precancerous conditions, and malignant tumors.

Explain cutaneous malignant lymphoma, angiosarcoma, and histiocytosis.

List and give an outline of bacterial skin infections (impetigo contagiosa, furuncle, carbuncle, folliculitis, erysipelas, and staphylococcal scalded-skin syndrome).

Explain the symptoms and types dermatomycoses (superficial and deep).

Explain the symptoms, types and causes of cutaneous tuberculosis and Hansen's disease.

Explain the symptoms, stages, and complications of syphilis.

List skin manifestations of systemic disease (metabolic abnormalities and malignant tumors).

Explain the symptoms, diagnosis, and treatment of sarcoidosis.

| | |
|---|--|
| | <p>Explain the pathophysiology, symptoms, diagnosis, and treatment of systemic lupus erythematosus.</p> <p>Explain the pathophysiology, symptoms, diagnosis, and treatment of scleroderma.</p> <p>List systemic vasculitides and their pathophysiologies, symptoms, diagnoses, and treatments.</p> <p>Give an outline of Behcet's disease.</p> <p>List diseases causing erythroderma.</p> <p>List diseases causing hair loss.</p> <p>Explain the severity of burns based on their extent and depth.</p> <p>Give an outline of therapeutic strategies for burns.</p> <p>Give an outline of porphyria.</p> |
| <p>講義日程 Class Schedule</p> | <p>See the attached schedule.</p> |
| <p>出席の取り扱い Class Attendance Policy</p> | <p>Attendance is taken every lecture using the Student Attendance Management System.</p> <p>A small test is given in some classes to use the results as a supplementary input to the grading process.</p> <p>A student whose attendance is less than two-thirds of all the classes is not eligible for taking the final examination.</p> |
| <p>評価項目 Evaluation Item</p> | <p>Achievement of the academic goals (basic knowledge and abilities of its applications)</p> |
| <p>評価法 Evaluation Method</p> | <p>To be graded based on examinations (description, multiple-choice, and fill-in-the-blanks questions).</p> |
| <p>履修上のアドバ イス Advice for Taking the Lecture</p> | |
| <p>推奨参考書 Recommended Reference Books</p> | <p>[Reference books recommended for purchase]</p> <p><i>Atarashii Hifukagaku (Textbook of Modern Dermatology)</i>. Nakayama Shoten</p> <p><i>Hyojun Hifukagaku (Standard Textbook)</i>. Igakushoin</p> <p><i>Hifubyo Atlas (Atlas of Dermatology)</i>. Bunkodo</p> <p>[Other references useful for this unit]</p> <p><i>Hifukagaku (Dermatology) (Minor Textbook)</i>. Kinpodo</p> |