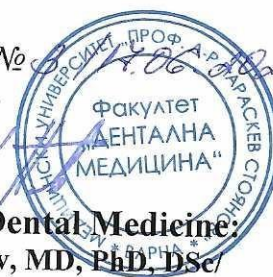




MEDICAL UNIVERSITY
"PROF. DR. PARASKEV STOYANOV" - VARNA
FACULTY OF DENTAL MEDICINE

Approved with a Protocol of №

Approved:
DEAN of Faculty of Dental Medicine:
/ Prof. Stefan Peev, MD, PhD, DSc/



EDUCATIONAL PROGRAMME
OF

"DERMATOVENEROLOGY"

Specialty "DENTAL MEDICINE"

Educational-qualification degree "MASTER"

Professional qualification "PHYSICIAN IN DENTAL MEDICINE"

	Semester	Horarium weekly	Total horarium
Lectures	IX	1	15
Exercises	IX	2	30
Total			45
Monitoring and evaluation forms			Exam – IX semester
Credits (ECTS)			2
Extracurricular employment			15

Lecturers: Assoc. Prof. Filka Georgieva MD, PhD; Ch. Assist. Prof. Jenia Dimitrova MD, PhD;

Varna, 2022

ANNOTATION:

Dermatology studies the skin and its adnexal structures in health and pathology, diagnostic methods, treatment and prophylaxis of skin diseases. Venerology studies sexually transmitted diseases and their diagnostics, treatment and prophylaxis. The specialty Dermatology and venereology includes knowledge of multiple diseases, a substantial part of them – chronic. A part of the disorders are associated with various internal conditions, other with multiple exogenous factors and some with yet unknown etiology and pathogenesis. The theoretical and practical knowledge is studied in Dermatology and venereology department by students in V year (winter semester) with 45 hours total horarium (15 teaching hours lectures and 30 seminars).

Object of studying are the common skin diseases (bacterial, viral, fungal infections, allergic, autoimmune diseases, collagenoses, conditions with unknown etiology and such with elucidated etiology), also sexually-transmitted diseases and AIDS. Students are acquainted with diagnostic and treatment methods in dermatological and venerological practice and prophylaxis of cutaneous and sexually-transmitted diseases.

Minimum of practical knowledge:

1. Taking history of patient with skin disease – characteristic features
2. Examination of skin and visible mucous membranes in patients with skin disease
3. Identifying and describing the individual skin lesions
4. Clinical examination methods – palpation, diascopy, use of magnifying glass, eliciting dermatographism
5. Knowledge of the specific laboratory methods for investigation in dermatology: microbiological tests, allergological tests – patch test, scratch test, intradermal tests, immunological tests, biopsy and histology.
6. Methods of investigation in venereology: microbiological tests of urethral and cervical specimen – Gram stain, Methyl blue stain, Thompson test for gonorrhea, dark-field microscopy, serological tests
7. Knowledge of basic local preparations
8. Treatment of parasitic infestations
9. Curettage of molluscum

PLAN OF TOPICS OF LEECTURES AND PRACTICAL CLASSES

Lectures IX semester

№	Topic	Hours
1.	Anatomical and histological organization of skin, adnexal structures and mucosal membranes. Functions of skin.	1
2.	Bacterial infections of skin – etiology, pathogenesis, clinical findings. Treatment.	1
3.	Fungal infections of skin- etiology, pathogenesis, clinical findings, treatment . Candidiasis.	1
4.	Viral infections of skin- herpetic infections-Herpes simplex, Herpes zoster. Papiloma viruses. Other viroses. Treatment.	1
5.	Urticaria and Angioedema. Acute and chronic urticaria- etiology, pathogenesis, clinical findings, diagnosis, treatment. Strophulus. Drug-induces dermatoses. Photodermatoses. Steven-Johnson syndrome. Toxic epidermal necrolysis.	1
6.	Autoimmune dermatoses- Lupus erythematosus. Dermatomyositis. Scleroderma. Aphthous stomatitis. Behcet's disease. Lyme disease.	1
7.	Bullous dermatoses- Pemphigus, Pemphigoid. Dermatitis herpetiformis. Erythema multiforme. Treatment.	1
8	Cutaneous tuberculosis. Clinical forms, diagnosis, treatment. Lepra.	1
9.	Cortiosteroids and Antihistamines in Dermatology. Side effects.	1
10.	Skin tumors- benign and malignant . Clinical forms, treatment, prophylaxis. Paraneoplastic syndromes.	1
11.	Sexually transmitted diseases. Gonorrhea- epidemiology, etiology, pathogenesis. Gonorrhea in men , women and children. Treatment of Gonorrhea. Non-gonococcal urethritis.	1
12.	Syphilis- epidemiology, etiology, pathogenesis. Clinical presentation. Primary, secondary ,tertiary syphilis. Congenital syphilis. Diagnosis and treatment.	1
13.	AIDS- epidemiology, etiology, pathogenesis. Clinical presentation. Skin manifestations. Diagnosis, treatment, prophylaxis.	1
14.	Parasitoses- scabies, pediculosis.	1
15.	Disorders of skin vessels. Skin manifestations of internal diseases.	1
	Total	15

Practical classes IV course

Nº		Hours
1.	Functions of skin. Methods for investigation in Dermatovenerology. Local therapy, local preparations. Taking history of patient with dermatological problem. Physical examination .	2
2.	Local preparations- according to their composition and mechanism of action.	2
3.	Staphylococcal infections of skin. Streptococcal infections of skin	2
4.	Parasitic infestations. Pediculosis.Scabies.	2
5.	Fungal infections of skin.	2
6.	Scleroderma. Dermatomyositis. Lupus erythematosus.	2
7.	Psoriasis.	2
8.	Papulous dermatoses.Lichen planus.	2
9.	Condylomata acuminata.	2
10.	Chlamidial urethritis.	2
11.	Skin manifestations of AIDS.	2
12	Fungal infections of the skin. Viral infections of skin.	2
13	Bullous dermatoses.	2
14	Disorders of cutaneous vessels. Post-thrombophlebitic syndrome.	2
15	Syphilis. Gonorrhea.	2
	Total	30

MONITORING AND EVALUATION FORMS:

Current control

Exam- IX semester

QUESTIONARIES:

Examination Synopsis

in Dermatology and Venerology for students in Dental medicine V year:

A. General Dermatology

1. Epidermis, dermis, hypodermis - anatomical, histological organization and ultrastructure.
2. Adnexal structures- sweat and sebaceous glands. Histological organization.
3. Hair. Hair follicle- histological organization. Hair cycle.
4. Nails- histological organization.
5. Blood and lymphatic vessels of skin. Innervation of skin.
6. Anatomy and histological organization of mucous membranes. Special features.
7. Keratinocytes. Synthesis of keratins.
8. Melanocytes. Synthesis of melanin.
9. Sweat production.
10. Sebum secretion. Skin barrier function.
11. Functions of the skin- thermoregulation, physical barrier function, hormonal and immunological function.
12. Functions of the oral mucous membrane.
13. Microbial flora of the oral mucosa.
14. Clinical examination and laboratory tests in Dermatovenerology.
15. Individual lesions –nomenclature.
16. Individual lesions of mucous membranes. Special features.
17. General histopathology of Epidermis.
18. General histopathology of Dermis and Hypodermis
19. Histopathological processes in the oral mucous.
20. Hygiene of the oral mucous.

B. Special Dermatology

1. Streptococcal infections of the skin and the mucous membranes : Erysipelas, Ecthyma, Impetigo, Cheilitis angularis
2. Staphylococcal infections of the skin and the mucous membranes : Folliculitis, Furunculus, Carbunculus, Hydradenitis
3. Viral infections : Herpes simplex, Herpes zoster (Shingles), Warts, Gingivostomatitis herpetica, Molluscum contagiosum.
4. Fungal infections of the skin and skin appendages : etiology, classification, clinical presentation, tinea of the skin and scalp, onychomycoses .
5. Candidiasis of skin and mucous membranes.
6. Contact dermatitis. Occupational dermatoses.
7. Atopic dermatitis / Endogenous eczema /
8. Seborrhoea. Seborrheic dermatitis.
9. Urticaria. Angioedema. Strophulus (Papular urticaria).
10. Drug-induced dermatoses. Stomatitis.
11. Fixed drug eruption.
12. Erythema multiforme.
13. Erythema nodosum.
14. Aphthous stomatitis. Behcet's disease.
15. Psoriasis.
16. Lichen planus.

17. Lupus erythematosus.
18. Scleroderma- circumscribed and diffuse. Dermatomyositis.
19. Pemphigus vulgaris.
20. Pemphigoid.
21. Dermatitis herpetiformis.
22. Acne. Rosacea.
23. Alopecia : Alopecia areata, Androgenic alopecia, Defluvium.
24. Tumors of the skin – classification. Precancerous dermatoses of the skin and the mucosae.
25. Benign and malignant tumors of the skin and the mucosae : nevi, fibroma, lipoma, hemangioma, Basocellular carcinoma. Squamous cell carcinoma (Spinocellular carcinoma), Malignant melanoma.
26. Clinical manifestation of the skin diseases on the mucous membranes.
27. Clinical manifestation of the internal diseases on the mucous membranes.
28. Cheilitis.
29. Stomatitis.
30. Glossitis.
31. Parasitic infestations-Scabies. Pediculosis.
32. Cutaneous tuberculosis- forms. Clinical expression on the mucosae.

C. Therapy of skin diseases

1. Systemic therapy- Antibiotics, Sulfonamides, Sulfones.
2. Systemic therapy- Tuberculostatics , Chinolones.
3. Systemic therapy- Antifungal drugs.
4. Systemic therapy- Antiviral drugs, Antiparasitic drugs.
5. Antihistamines.
6. Corticosteroids for systemic therapy. Cytotoxic and antineoplastic agents.
7. Vitamins for systemic treatment.
8. Basic topical preparations- fluids, oils, greases, powders. Complex topical preparations (vehicles).
9. Topical preparations according to mechanism of action-classification.
10. Local antiseptics. Local antibiotics.
11. Local antifungal agents.
12. Local antiparasitic agents.
13. Local antipruritic agents.
14. Topical corticosteroids. Indications and contraindications. Side effects.
15. Keratolytic agents. Agents enhancing skin epithelisation.
16. Local astringents.
17. Tars, Dithranol.
18. Preparations for warts and calluses.
19. Depigmenting agents.
20. Photo protective agents. Photosensitizing agents.
21. Physical methods for treatment in dermatology : Phototherapy, PUVA, Lasers, Cryotherapy, Climatotherapy. Thalassotherapy, curettage.

D. Venereology

1. Sexually transmitted diseases- classification, epidemiology, social significance, prophylaxis.
2. Syphilis .Classification, etiology, epidemiology.

3. Syphilis. Pathogenesis (immunity, allergy, superinfection and reinfection).
4. Primary syphilis.
5. Secondary syphilis.
6. Tertiary syphilis.
7. Early congenital syphilis.
8. Late congenital syphilis.
9. Syphilis of the oral mucous.
10. Therapy of syphilis. Follow up.
11. Diagnosis of syphilis- serologic tests.
12. Gonorrhea. Etiology. Pathogenesis.
13. Gonorrhea in males-acute and chronic. Complications.
14. Gonorrhea in females- acute and chronic. Complications.
15. Gonorrhea in children- ophthalmia neonatorum, vulvovaginitis.
16. Diagnosis and treatment of gonorrhea.
17. Sexually transmitted non-gonococcal urethritis. Non-gonococcal urethritis, not sexually transmitted .
18. AIDS- etiology, pathogenesis, stages.
19. AIDS- cutaneous and mucosal manifestations.
20. Sexually transmitted diseases – clinical expression in the oral mucose membrane.

The syllabus is approved by Department Council of the Department "Infectious diseases, Parasitology and Dermatovenereology - Protocol № 16 /27.05.2022

Developer of the Syllabus: 

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Approved by: 

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Chair of the Department Infectious diseases,

Parasitology and Dermatovenereology/

REFERENCES:

8. Handbook for Medical, Dental and Pharmacy Students Authors: Sonya Márina, Valentina Broshtilova, Zhenya Dimitrova, Filka Georgieva, 2020, ISBN: 978-619-221-194