



FORM

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EXAMINATION SYNOPSIS

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EXAMINATION SYNOPSIS

FOR SEMESTER EXAMINATION IN ACADEMIC YEAR 2019/2020


IN

„CLINICAL ALLERGOLOGY”

WITH STUDENTS AT MU - PLEVEN

SPECIALTY: MEDICINE

1. Basic concepts in allergology.
2. Definition of atopy. Genetic mechanisms.
3. Types of allergens.
4. IgE reagins. First type of hypersensitivity.
5. Anaphylactic reactions. Immunological and pathophysiological mechanisms.
6. Antihistamines. Classification. Pharmacology and clinical use.
7. Leukotriene Receptor Antagonists (LTRAs). Pharmacology and clinical use.
8. Glucocorticoids. Pharmacology. Clinical use of systemic, topical and inhaled steroids.
9. Xanthines. Theophylline. Pharmacology and clinical use.
10. Sympathomimetics. Classification and clinical use.
11. Atopic asthma. Definition. Prevalence. Etiology. Classification.
12. Atopic asthma. Pathophysiological and immunological mechanisms.
13. Asthma symptoms.
14. Diagnosis and differential diagnosis of asthma. Treatment
15. Allergic rhinitis. Classification. Symptoms and treatment.
16. Allergic conjunctivitis. Classification. Symptoms and treatment.
17. Insect sting allergy.

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18. Urticaria and Angioedema.
19. Hereditary Angioedema.
20. Atopic Dermatitis
21. Food allergy. Definition. Causes and Pathophysiological mechanisms.
22. Food allergy. Symptoms Diagnosis and Treatment.
23. Drug Allergy. Definition. Causes and Pathophysiological mechanisms.
24. Drug Allergy. Symptoms Diagnosis and Treatment.
25. Contrast Medium Reactions.
26. Allergy to Anesthetic Agents.
27. Erythema exudativum multiforme. Stevens-Johnson syndrome. Lyle`s syndrome.
28. Anaphylactic reactions. Causes and Pathophysiological mechanisms.
29. Anaphylactic reactions and Emergency Treatment.
30. Allergen Immunotherapy. Definition. Indications and contraindications.
31. Allergen Immunotherapy. How is Treatment administered? Expected effects. Side effects.

Practical exam

1. Medical history of patient with allergic disease.
2. Physical exam of patient with allergic disease.
3. Specific laboratory tests used for allergic diseases.
4. Skin testing. Scratch tests.
5. Skin testing. Prick tests.
6. Skin testing. Intradermal tests.
7. Skin testing. Patch tests.
8. Specific IgE testing. In vitro testing.
9. Spirometry tests
10. Bronchial challenge tests
11. Bronchoprovocation tests with methacholine and allergens
12. Allergen nasal provocation tests. Rationale and indications
13. Allergen conjunctival provocation tests. Rationale and indications
14. Allergen food and drug provocation tests. Rationale and indications
15. Contrast Medium and Anesthetic Agent tests
16. Allergen Immunotherapy technique