
	FORM	Index: Fo 04.01.01-02
	SYNOPSIS	Edition: P
		Date: 03.09.2013 r.
		Page 1 of 2

QUESTIONARY

Theoretical exam

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. Cromones. Classification and clinical use.
11. Sympathomimetics. Classification and clinical use.
12. Atopic asthma. Definition. Prevalence. Etiology. Classification.
13. Atopic asthma. Pathophysiological and immunological mechanisms.
14. Asthma symptoms.
15. Diagnosis and differential diagnosis of asthma. Treatment
16. Allergic rhinitis. Classification. Symptoms and treatment.
17. Allergic conjunctivitis. Classification. Symptoms and treatment.
18. Insect sting allergy.
19. Urticaria and Angioedema.
20. Hereditary Angioedema.
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

	FORM	Index: Fo 04.01.01-02
		Edition: P
	SYNOPSIS	Date: 03.09.2013 г.
		Page 2 of 2

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. Specific IgE testing. Skin testing.
5. Specific IgE testing. In vitro testing.
6. H1 antagonists. Mechanism of Action. Advantages and disadvantages.
Indications.
7. Leukotrienes. Mechanism of Action. Indications.
8. Corticosteroids.
9. Theophylline medications.
10. Sympathomimetic drugs.
11. Spirometry tests. Bronchial challenge tests.
12. Medical history and physical examination of patient with allergic rhinoconjunctivitis. Specific laboratory procedures.
13. Allergen immunotherapy.
14. Allergen provocation tests. Nasal, conjunctival, food allergen and drug provocation tests. Rationale and indications.

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PhD

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