

## **TEMATICA**

**pentru concursul de ocupare de post**

**specialitatea IMUNOLOGIE CLINICĂ ȘI ALERGOLOGIE**

### **I. PROBA SCRISA**

### **II. PROBA CLINICA**

### **III. PROBA PRACTICA**

#### **I. PROBA SCRISA**

1. Organele si celulele sistemului imunitar: (1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 34)

- a) organele sistemului imunitar
- b) mastocitul si bazofilul
- c) eozinofilul
- d) limfocitul T
- e) limfocitul B
- f) macrofagul si alte celule prezentatoare de antigen
- g) celulele endoteliale si epiteliale

2. Complexul major de histocompatibilitate - MHC (13, 14, 15, 17, 18, 22,34)

3. Mecanismul de aparare: (1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 34)

- a) specifice
- b) nespecifice

4. Antigene: (1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 34)

- a) structura
- b) clasificare
- c) haptene
- d) captare

- e) prezentare
  - f) recunoastere
5. Alergene: (13, 14, 15, 17, 18, 22, 34)
- a) definitie
  - b) clasificare
  - c) structura
6. Anticorpii (1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 34)
- a) imunoglobuline E
  - b) imunoglobuline A
  - c) imunoglobuline G
  - d) imunoglobuline D
  - e) imunoglobuline M
7. Sistemul complementului: (1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 34, 35)
- a) componente
  - b) cai de activare
  - c) rolul biologic al complementului
  - d) patologia complementului
8. Mediatori: (1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 34, 35)
- a) preformati
  - b) neoformati ("de novo")
  - c) citokine, interleukine
  - d) citotoxici
9. Clasificarea reactiilor imun-alergice: (1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 34, 35)
- a) tip imediat
  - b) tip citotoxic-citolitic
  - c) prin complexe imune
  - d) tip celular
  - e) de stimulare
10. Mecanisme de inducere si reglare a raspunsurilor imunitare (1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 34, 35)

11. Interactiunea sistem imunitar - sistem nervos central (1, 2, 3, 4, 5, 7, 8, 9, 11, 12)
12. Mecanisme de aparare antibacteriana si antivirala (1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 34)
13. Mecanisme de aparare antiparazitara (1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 34)
14. Mecanismele reactiei de rejet a grefei si reactiei grefa contra gazda (1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 34)
15. Autoimunitatea (1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 34)
16. Imunitatea antitumorală (1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 34)
17. Leziunea granulomatoasa (1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 34)
18. Deficite imunitare: (1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 34)
  - dobandite
  - castigate
19. Cooperare celulara in raspunsurile imunitare (1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 34)
20. Receptori celulari (1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 34)
21. Inflamatiia alergica (1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 34)
22. Terenul atopic: (13, 14, 15, 17, 18, 32, 33)
  - a) genetica atopiei
  - b) factorii de mediu
23. Extracte alergice (13, 14, 15, 17, 18, 32, 33)
24. Modalitati de investigare in afectiunile imun-alergice: (1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 14, 15, 17, 18, 32, 33)
  - a) evidentierea alergenilor
  - b) evidentierea anticorpilor
  - c) evidentierea mediatorilor
  - d) determinari la nivelul organului tinta
25. Rinitele alergice (13, 14, 15, 24, 32, 33)
26. Astmul bronic alergic (13, 14, 15, 20, 23, 32, 33)
27. Astmul bronic profesional (13, 14, 15, 23, 32, 33)
28. Alveolite alergice extrinseci (13, 14, 15, 32, 33)
29. Astmul bronic si intoleranta la AINS (13, 14, 15, 32, 33)
30. Socul anafilactic si anafilactoid (13, 14, 15, 32, 33)

31. Alergia alimentara: (13, 14, 15, 32, 33)
  - cutanata
  - respiratorie
  - digestiva
  - orala
32. Reactii adverse medicamentoase (13, 14, 15, 32, 33)
33. Afectiuni cutanate prin sensibilizare alergica (13, 14, 15, 28, 32, 33)
34. Vasculitele prin hipersensibilizare (6, 13, 14, 15, 16, 28, 32, 33)
35. Alergiile polului anterior al ochiului (13, 14, 15, 32, 33)
36. Colagenoze (6, 13, 14, 15, 16)
37. Afectiuni renale cu mecanism de hipersensibilizare (13, 14, 15, 16, 36)
38. Alergia la veninuri de insecte (13, 14, 15, 18, 32, 33)
39. Sindromul hipereozinofilic si hiperIgE (13, 14, 15, 34)
40. Urticaria si angioedemul; angioedemul ereditar (10, 13, 14, 15, 32, 33)
41. Boala serului (10, 13, 14, 15, 32, 33)
42. Citopenii imune (13, 14, 15, 27, 34)
43. Eritemul nodos (13, 14, 15, 28)
44. Crioglobulinemii (13, 14, 15, 27)
45. Tratamentul profilactic al bolilor alergice (10, 13, 14, 15, 19, 20, 23, 24, 29, 30, 32, 33)
46. Tratamentul de urgenta in bolile alergice (10, 13, 14, 15, 19, 20, 23, 24, 29, 30, 32, 33)
47. Tratamentul de fond (antiinflamator) in bolile alergice: (13, 14, 15, 19, 29, 30, 32, 33)
  - antihistaminice
  - inhibitorii degranularii mastocitare
  - corticoterapie
  - modificatori de leucotriene
48. Tratamentul bronhodilatator in astmul bronsic (10, 13, 14, 15, 23, 24, 19, 29, 30, 32, 33)
49. Imunoterapia specifica cu alergeni (13, 14, 15, 25, 32, 33)
50. Modalitati noi de tratament in bolile alergice: (8, 13, 14, 15, 17)
  - a) terapia antilgE

- b) terapia antiinterleukine
- c) terapia antifosfodiesteraza

## II. PROBA CLINICA

1. Rinitele alergice perene (8, 11, 13, 14, 15, 24, 32, 33)
2. Rinitele alergice sezoniere (8, 11, 13, 14, 15, 24, 32, 33)
3. Astmul bronșic (8, 11, 13, 14, 15, 19, 20, 24, 29, 30, 31, 32, 33)
4. Urticaria și angioedemul (8, 10, 11, 13, 14, 15, 26, 32, 33)
5. Socul anafilactic (8, 11, 13, 14, 15, 17, 32, 33)
6. Socul anafilactoid (8, 11, 13, 14, 15, 17, 32, 33)
7. Reacțiile adverse medicamentoase (8, 11, 13, 14, 15, 26, 32, 33)
8. Dermatita alergica (8, 11, 13, 14, 15, 21, 26, 28, 32, 33)
9. Dermatita de contact (8, 11, 13, 14, 15, 21, 26, 28, 32, 33)
10. Alergiile polului anterior al ochiului (8, 11, 13, 14, 15, 32, 33)
11. Boala serului, sindroame tip boala serului (8, 11, 13, 14, 15, 32, 33)
12. Alveolitele alergice extrinseci (8, 11, 13, 14, 15)
13. Alergiile alimentare (8, 11, 13, 14, 15, 32, 33)
14. Alergiile la veninuri de insecte (8, 11, 13, 14, 15, 18, 32, 33)
15. Hipereozinofiliile (8, 11, 13, 14, 15, 32, 33)
16. Sindroamele de hiperIgE (8, 11, 13, 14, 15, 35)
17. Sindromul Stevens Johnson (8, 11, 13, 14, 15, 21, 26, 28)
18. Sindromul Lyell (dermatita exfoliativa) (8, 11, 13, 14, 15, 21, 26, 28)
19. Eritemul nodos (8, 11, 13, 14, 15, 21, 26, 28)
20. Colagenoze (8, 11, 13, 14, 15, 26)
21. Vasculite prin hipersensibilizare (6, 8, 11, 13, 14, 15, 16, 26)
22. Afecțiuni renale prin mecanism de hipersensibilizare (8, 11, 13, 14, 15, 36)
23. Constitutia Vidal Samter (intoleranță la pirazolone, aspirina, AINS) (8, 11, 13, 14, 15, 32, 33)

24. Manifestari alergice in sindroamele de imunodeficienta (8, 11, 13, 14, 15, 34, 35)

25. Citopenii imune (8, 11, 13, 14, 15, 27)

### III. PROBA PRACTICA

1. Ancheta alergologica (10, 13, 14, 15, 17, 18, 32, 33)

2. Testele cutanate: prick, IDR (conditii de executie, indicatii, contraindicatii, valoare diagnostica, interpretare) (13, 14, 15, 17, 18, 32, 33)

3. Testare cutanata patch (conditii de executie, indicatii, contraindicatii, valoare diagnostica, interpretare) (13, 14, 15, 26, 28)

4. Explorarea functiei respiratorii (13, 14, 15, 23, 31)

5. Testele de provocare bronsica nespecifica (13, 14, 15, 17, 18, 23, 31)

6. Testele de provocare specifice cu alergeni (nazale, oculare, bronsice, orale, prin intepatura cu insecta vie) (10, 13, 14, 15, 17, 18, 23)

7. Evaluarea hipersensibilitatii de tip I (8, 11, 13, 14, 15, 17, 18, 34)

8. Evaluarea hipersensibilitatii de tip II (8, 11, 13, 14, 15, 27, 34)

9. Evaluarea hipersensibilitatii de tip III (8, 11, 13, 14, 15, 27, 35)

10. Evaluarea hipersensibilitatii de tip IV (8, 11, 13, 14, 15, 26, 28)

11. Diagnosticul in vitro in alerggia IgE mediate (13, 14, 15, 32, 33)

12. Teste de deficienta imunitara celulara (1, 8, 11, 24, 34, 35)

13. Teste de deficienta imunitara umorala (1, 2, 4, 8, 11, 34, 35)

14. Imunoterapia specifica - mecanisme de actiune, metode, tipuri de preparate (17, 18, 23, 24, 25)

15. Imunoterapia specifica - indicatii si contraindicatii (17, 18, 23, 24, 25, 32, 33)

16. Imunoterapia specifica - efecte adverse, monitorizarea evolutiei in timp si post imunoterapie specifica (17, 18, 23, 24, 25, 32, 33)

17. Monitorizarea eficientei imunoterapiei specifice cu alergeni (17, 18, 23, 24, 25)

18. Profilaxia bolilor alergice (10, 13, 14, 15, 17, 18, 20)

19. Recoltarea, identificarea si cuantificarea alergenilor (13, 14, 15, 17, 32, 33)

20. Metode de profilaxie nefarmacologica a expunerii la aeroalergeni in mediul ambiental si profesional (13, 14, 15, 32, 33)

21. Regimuri alimentare hipoalergenice (10, 13, 14, 15, 35)
22. Evaluarea pacientului cu reactii adverse medicamentoase (13, 14, 15, 32)
23. Atitudinea in cazul unor accidente (severe) in cursul testarii cutanate sau in cursul imunoterapiei specifice cu alergeni (13, 14, 15, 17, 18, 32, 33)

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