

## **Endocrinology credit test questions**

1. The hierarchical principle of regulation of the endocrine system.
2. The relationship of the nervous and endocrine systems.
3. Diabetes insipidus: definition, etiopathogenesis.
4. Clinical manifestations, diagnosis and differential diagnosis of diabetes insipidus, treatment.
5. Clinical manifestations of pituitary and hypothalamic tumors. Diagnostic methods.
6. Pituitary nanism: diagnosis and differential diagnosis with somatogenic nanism, Turner syndrome, chondrodystrophy and other forms of nanism.
7. Etiopathogenetic treatment of pituitary nanism. Medical-labor expertise.
8. Gigantism: etiopathogenesis, clinical manifestations, differential diagnostics.
9. Treatment of various forms of gigantism.
10. Diabetes mellitus: definition, causes of diabetes.
11. Modern classification of diabetes mellitus.
12. Criteria for the diagnosis of diabetes mellitus type 1 and 2.
13. The role of contra-insular hormones in the development of diabetes mellitus.
14. The mechanism of carbohydrate, protein and other metabolic disorders in diabetes mellitus.
15. Features of the course of diabetes mellitus type 1 and 2.
16. Gestational diabetes mellitus.
17. Complications of diabetes mellitus: diabetic nephropathy, modern classification, clinical manifestations, diagnosis, treatment.

18. Complications of diabetes mellitus: diabetic micro- and macroangiopathy, pathogenesis.
19. Features of myocardial infarction in diabetes mellitus.
20. The role of the sorbitol pathway of glucose metabolism in the formation of diabetic angiopathies.
21. Diabetic retinopathy: severity levels, treatment.
22. Diabetic nephropathy: diagnosis, clinical course.
23. Diabetic nephropathy: causes of chronic kidney disease.
24. Diagnosis and treatment of chronic kidney disease in patients with diabetes mellitus.
25. Diabetic encephalopathy, hepatosteatorosis, clinical manifestations, treatment.
26. Diabetic polyneuropathy: diagnosis, treatment. Diabetic enteropathy.
27. Diabetic foot - clinical manifestations, classification, treatment.
28. Diabetes: criteria for compensation and decompensation.
29. Diet therapy in diabetes mellitus.
30. Characteristics of insulin, indications for use.
31. Insulin therapy of diabetes mellitus: treatment with short-acting insulin, dose calculation.
32. Long-acting insulins: principles of transfer to long-acting insulin.
33. Modern methods of the treatment of diabetes mellitus (insulin analogues, insulin pumps, DPP-4 inhibitors, analogues of GLP-1, etc.).
34. Diabetes mellitus: Basal-bolus insulin therapy.
35. Complications of the insulin therapy (allergy to insulin, insulin resistance, lipodystrophy).

36. Self-education and training of patients with diabetes in the “School of diabetes”.
37. Hyperglycemic ketoacidotic coma: etiopathogenesis, clinical manifestations, diagnosis.
38. Treatment of hyperketonemic diabetic coma.
39. Differential diagnosis of ketoacidic, lactoacidic and hyperosmolar coma, treatment features.
40. Causes of development, diagnosis and treatment of hypoglycemic coma.
41. Mauriac syndrome.
42. Classification of thyroid diseases, diagnostic methods.
43. Diffuse toxic goiter. Thyrotoxicosis. Etiopathogenesis, clinical manifestations, diagnosis.
44. Thyrotoxic ophthalmopathy: causes of development, diagnosis.
45. Treatment of toxic goiter.
46. Thyrotoxic heart: clinical course, diagnosis, treatment.
47. Thyrotoxic crisis: pathogenesis, clinical manifestations, course, treatment.
48. Acute and subacute thyroiditis: causes of development, diagnostic methods, differential diagnosis.
49. Chronic thyroiditis: clinical manifestations, diagnosis, treatment, prognosis.
50. Hypothyroidism: classification, etiopathogenesis, clinical course.
51. Treatment of hypothyroidism, prognosis.
52. Hyperparathyroidism.
53. Hypoparathyroidism.
54. Itsenko-Cushing disease and syndrome. Etiology, pathogenesis, differential diagnosis.

55. Treatment of Itsenko-Cushing disease and syndrome. Prognosis.
56. Congenital dysfunction of the adrenal cortex.
57. Chronic adrenal insufficiency: clinical manifestations, differential diagnosis, treatment. Nelson syndrome.
58. Adrenal crisis: etiopathogenesis, clinical manifestations.
59. Emergency treatment of acute adrenal insufficiency.
60. Sheehan's syndrome: etiopathogenesis, clinical manifestations, treatment.
61. Klinefelter syndrome.
62. Climacteric syndrome.
63. Arterial hypertension of endocrine genesis. Differential diagnosis with essential hypertension.
64. Primary hyperaldosteronism.
65. Pheochromocytoma.

Associate Professor

L.V. Nikonova