

# LF2 pathophysiology exam questions 2020

## Under construction / Forgotten

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Last update: Monday, 21 Dec 2020 at 11.41 am.

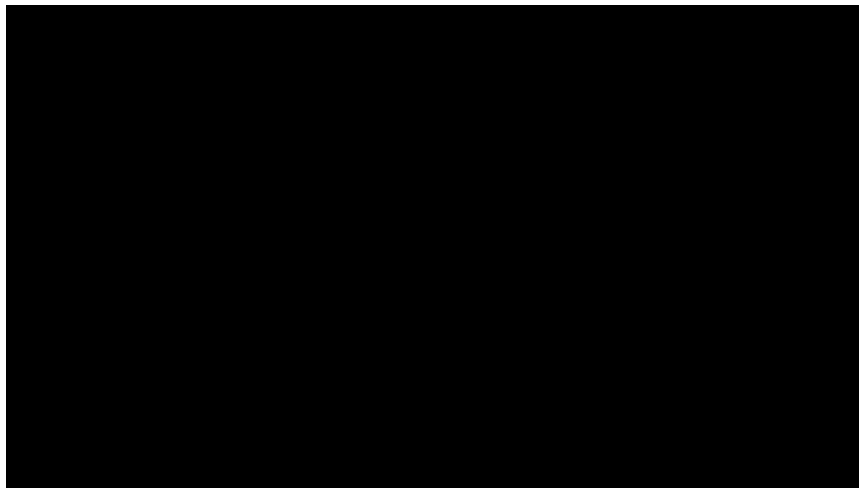
- Timestamps of the exact time of the video where the answer is hidden will be added soon.

## GENERAL

### 1. Health, illness, death

### 2. Disorders of temperature control

### 3. Edema

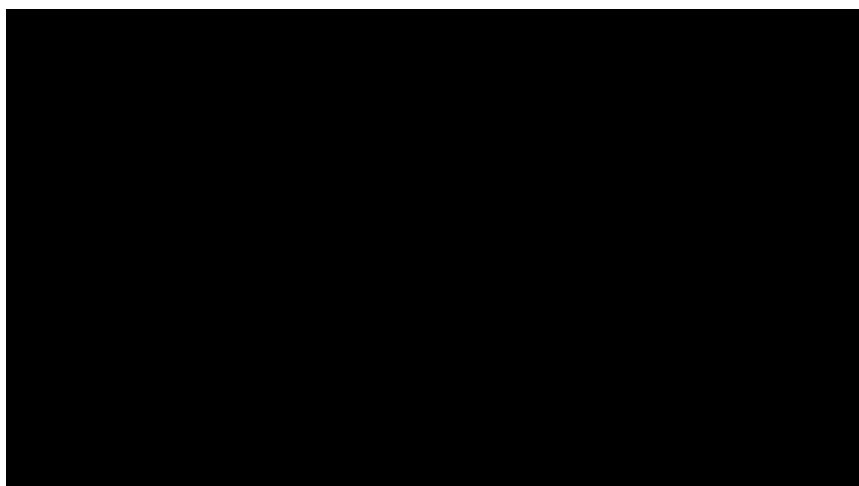


### 4. Concrements, colic

### 5. Icterus

### 6. Acidosis

Hypoventilation/hypercapnia

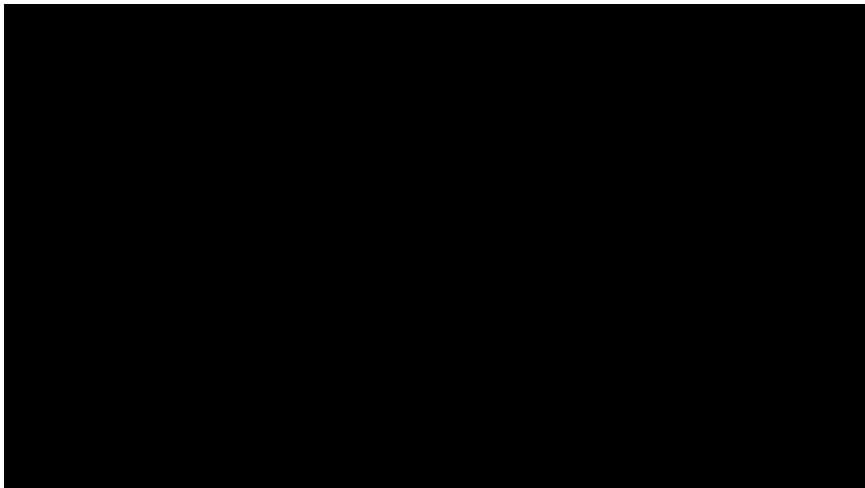




MAC



RAC

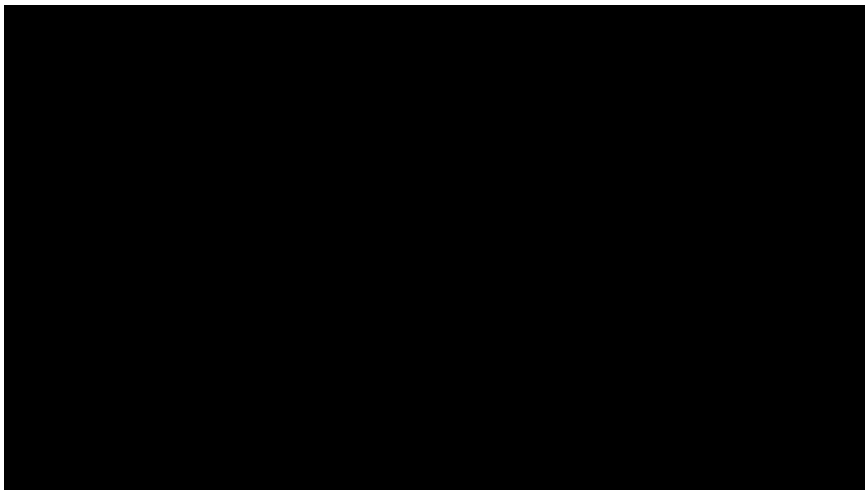


**7. Alkalosis**

MAL



RAL



**8. Hyperhydration**

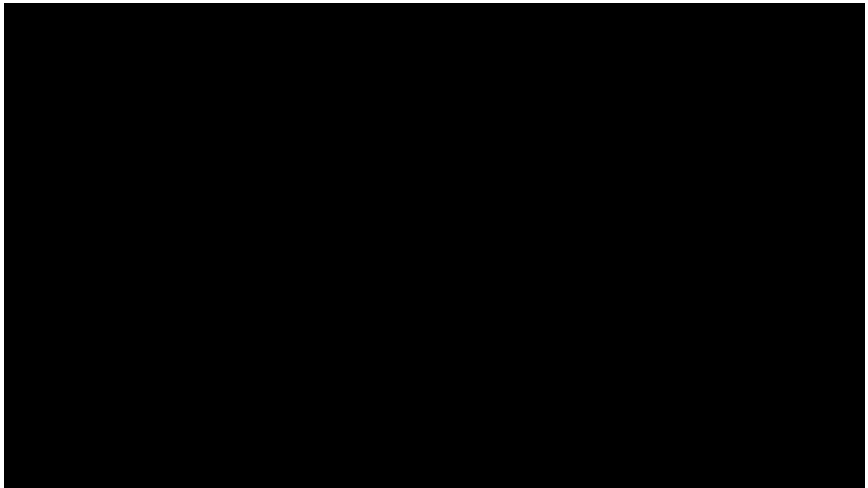
isotonic hyperhydration



hypotonic hyperhydration

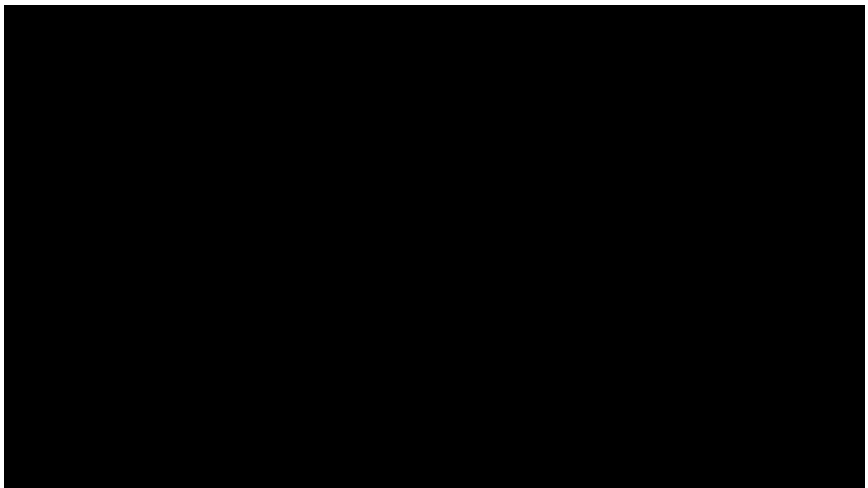


hypertonic hyperhydration



9. Dehydration

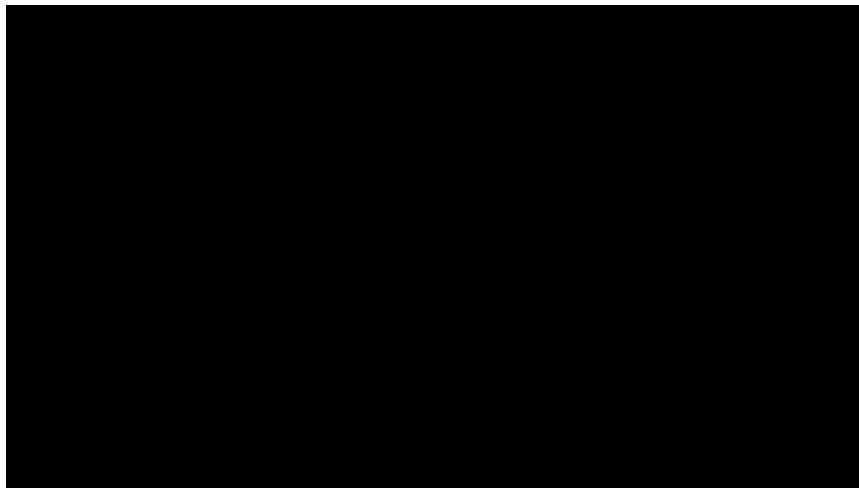
isotonic dehydration



hypotonic dehydration



hypertonic dehydration



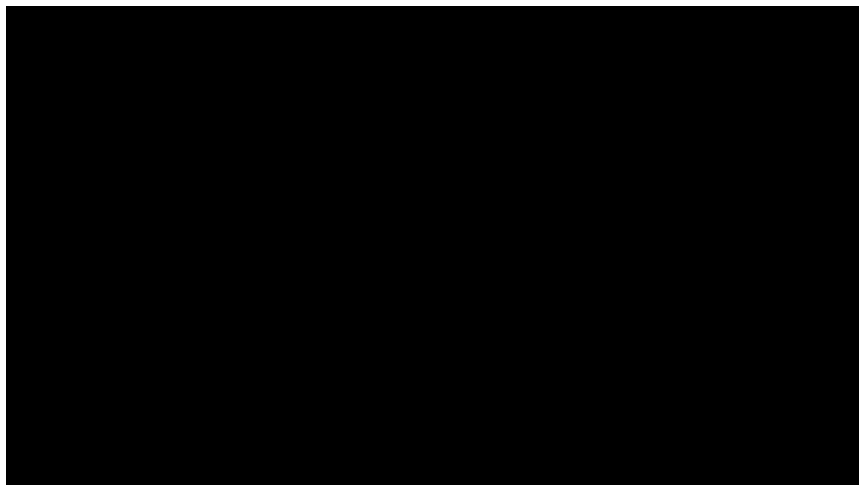
**10. Disorders of  $K^+$  and  $Cl^-$  metabolism, relation to AB balance**

**11. Disorders of Ca, P metabolism**

**12. Classification of hypoxias**

**13. Intoxication**

**14. AB balance testing**



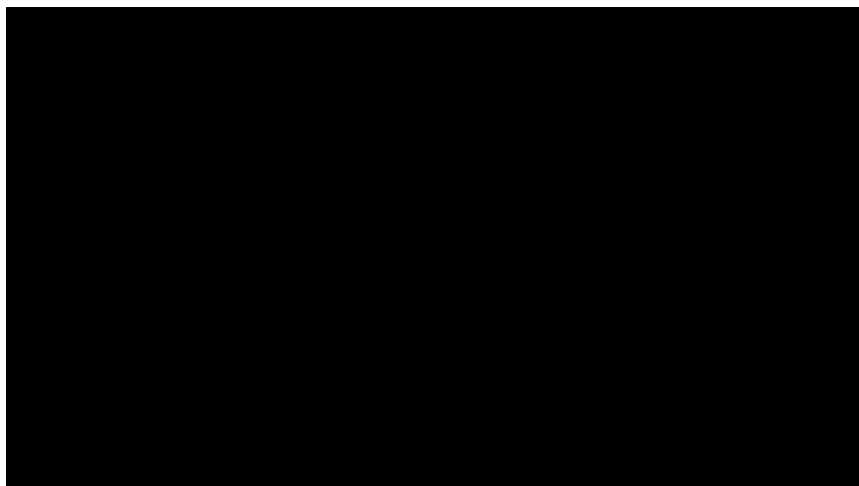


## **BLOOD**

- 15. Anemic syndrome**
- 16. Anemias caused by erythrocytes loss**
- 17. Anemias caused by impaired hematopoiesis**
- 18. Hyperviscosity**
- 19. Disorders of hemostasis**
- 20. DIC**
- 21. Hematologic testing**

## **CIRCULATION**

- 22. Pathophysiology of arteries**
- 23. Pathophysiology of capillaries and veins**
- 24. Primary arterial hypertension**
- 25. Secondary hypertension**





**26. Hypovolemic shocks, compensatory mechanisms**

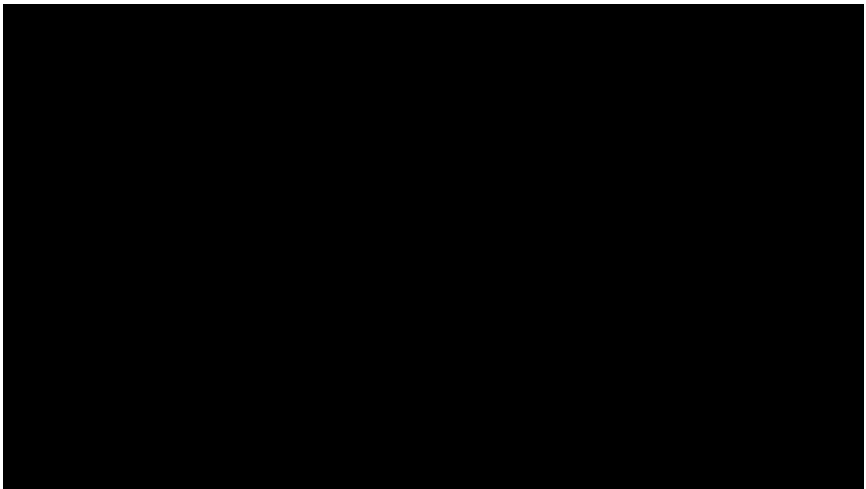


table comparing different types of shock



phases of shock



**27. Distributive shocks**

distributive shock

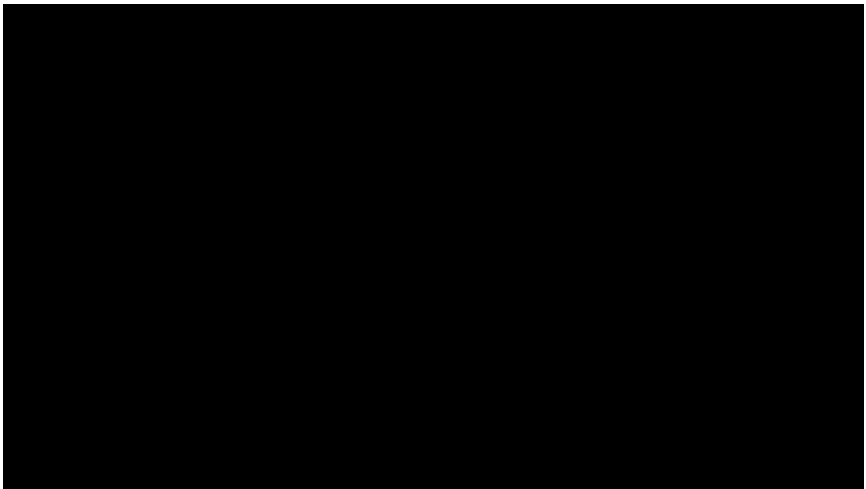
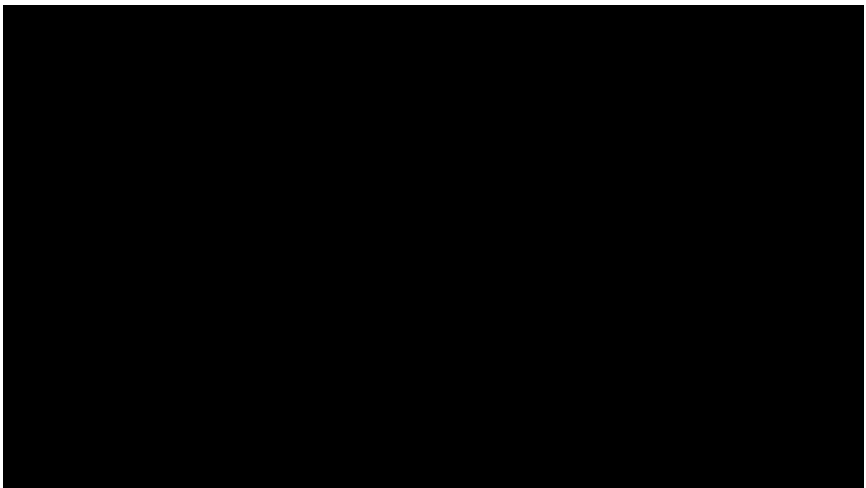


table comparing different types of shock



**28. Acute heart failure**

**29. Chronic heart failure**

**30. Disorders of coronary circulation, clinical forms of ischemic heart disease**

**31. Acute myocardial infarction**



**32. Hemodynamics of valvular defects**

**33. Hemodynamics of congenital heart defects**

**34. Disturbances of impulse conduction in the heart and cardiac arrhythmias, including ECG findings**

**35. Testing of cardiovascular system**

**36. Characteristics of pathological ECG recordings**

## **KIDNEY**

**37. Disturbances of renal blood flow**

**38. Disorders of glomerular filtration**

**39. Disorders of tubular transport**

**40. Nephrotic and nephritic syndrome**

**41. Acute renal failure**

**42. Chronic renal failure**

**43. Disorders of urinary tract**

**44. Dialysis: principles and effect**

**45. Testing of renal function**

## **RESPIRATION**

**46. Changed compliance of lung and respiratory system**

**47. Changed airway resistance**

**48. Pneumothorax**

**49. Defense lung reflexes**

**50. Control of breathing in respiratory diseases**

**51. Disturbances of alveolar ventilation, respiratory insufficiency**

**52. Hypobaria, hyperbaria**

**53. Artificial ventilation, oxygenotherapy**

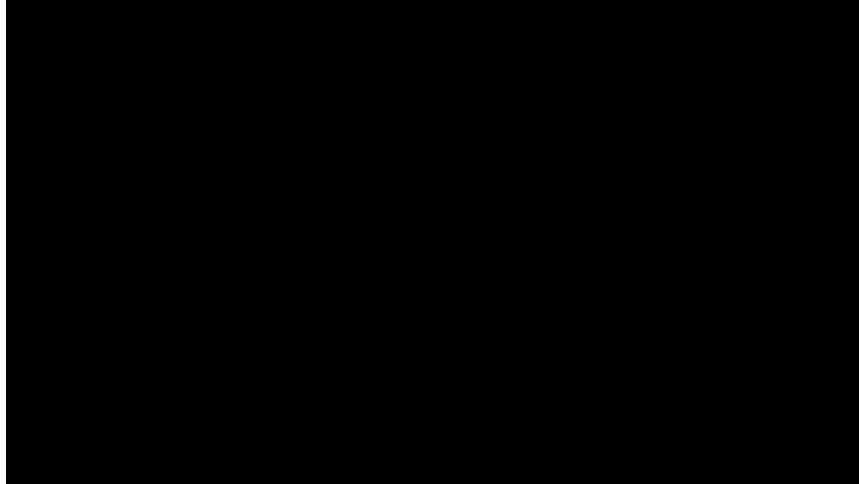
**54. Inequalities of ventilation-perfusion ratio**

**55. Diffusion impairment, lung edema**

**56. Pulmonary embolism**

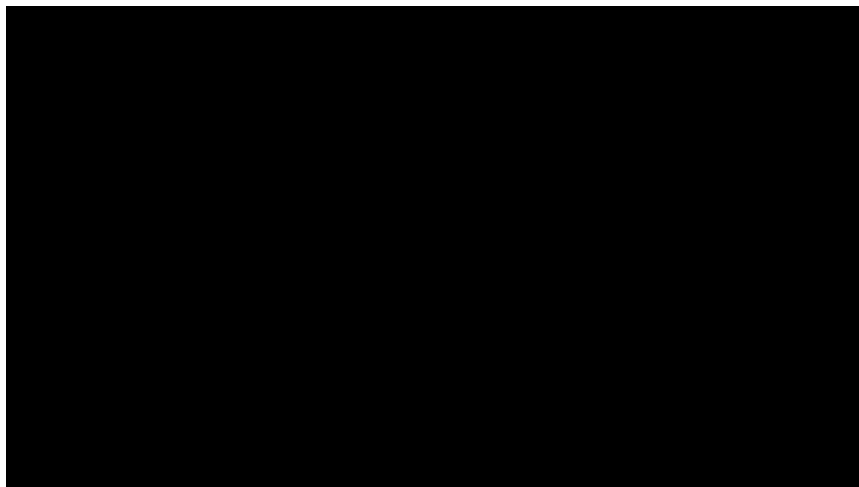
**57. Pulmonary hypertension**

**58. Bronchial asthma**



[https://www.wikilectures.eu/w/Obstructive\\_and\\_restrictive\\_lung\\_diseases](https://www.wikilectures.eu/w/Obstructive_and_restrictive_lung_diseases)

**59. Obstructive pulmonary diseases, especially COPD**



[https://www.wikilectures.eu/w/Obstructive\\_and\\_restrictive\\_lung\\_diseases](https://www.wikilectures.eu/w/Obstructive_and_restrictive_lung_diseases)

**60. Restrictive pulmonary diseases**

[https://www.wikilectures.eu/w/Obstructive\\_and\\_restrictive\\_lung\\_diseases](https://www.wikilectures.eu/w/Obstructive_and_restrictive_lung_diseases)

**61. Lung function tests**

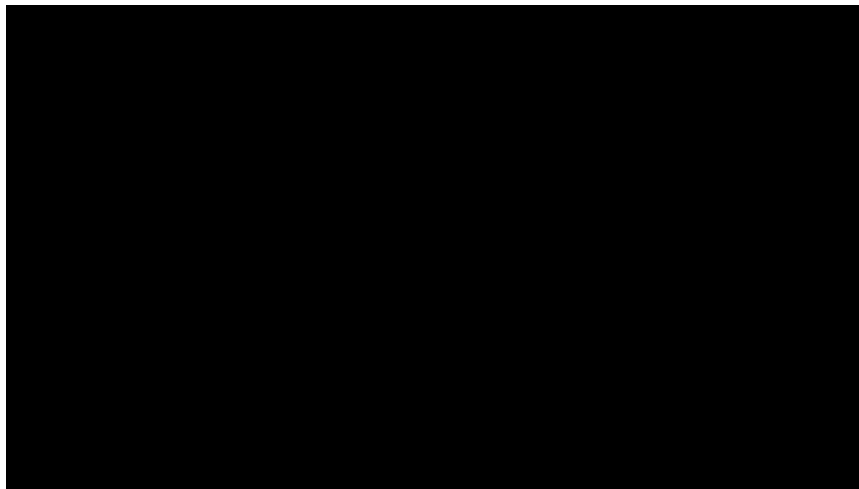
## **ENDOCRINOLOGY**

**62. Disturbances of hormonal regulations**

**63. Disorders of adenohypophysis**

**64. Cushing's syndrome**

**65. Addison's disease, disorders of mineralocorticoids**



**66. Disorders of adrenal medulla, stress**

**67. Hyperfunction of thyroid gland**

**68. Hypofunction of thyroid gland**

**69. Disorders of sex hormones in ontogenesis**

**70. Diabetes mellitus, classification and acute complications**

**71. Chronic complications of diabetes mellitus**

**72. Examination of endocrine glands**

**GIT, METABOLISM**

**73. Obesity**

**74. Metabolic syndrome, gout**

**75. Primary hyponutrition**

**76. Malabsorption syndrome**

**77. Consequences of vitamin deficiency, hypervitaminosis**

**78. Disorders of oesophagus and stomach**

- 79. Vomiting, diarrhea**
- 80. Constipation, ileus**
- 81. Pancreatitis**
- 82. Liver failure**
- 83. Portal hypertension and ascites**
- 84. Examination of function of liver and pancreas**

## **NERVOUS SYSTEM**

- 85. Upper motor neuron disorders (spastic paralysis)**
- 86. Lower motor neuron disorders (flacid paralysis)**
- 87. Spinal shock**
- 88. Disorders of neuromuscular junction and muscles**
- 89. Disorders of somatosensory sensation, pain**
- 90. Disorders of basal ganglia**
- 91. Cerebellar disorders**
- 92. Schizophrenia, mood disorders**
- 93. Syndrome of dementia**
- 94. Disorders of cerebral blood flow**
- 95. Intracranial hypertension and hypotension**
- 96. Brain edema, disorders of brain blood barrier**
- 97. Sleep disorders and disorders of consciousness**
- 98. Epilepsy and epileptic seizures**
- 99. Examination method in neurology**