

General Pathology

1. Pathology as a Subject, Characterization, Division
2. Health and Disease – Definition, Etiology, Pathomechanisms, Symptomatology, Complications WHO Classification,
3. Cellular, Local, and Somatic Death. Clinical, Biological Death
4. Aging (Ethiopatogenesis, Symptoms)
5. Biological Injury
6. Physical Injury
7. Chemical Injury
8. Mechanical Injury
9. Genetic Diseases (Chromosomal Aberations, Gen Mutations..),
10. Genes And Environmental Interactions – Familial Diseases
11. Congenital Disorders (Anomalies In Organogenesis)
12. Developmental Disorders (Gamethopathies, Blastopathies, Embryopathies, Fetopathies)
13. Heat Damage (Heatstroke, Exhaustion, Convulsions, Sunburn)
14. Radiation Disease
15. Cellular Injury – Causative Agents, Mechanisms
16. Basic Pathological Processes, Characteristics
17. Regressive Changes (Dystrophy, Atrophy, Necrosis, Pigmentation, Stones, Cysts)
18. Apoptosis
19. Necrosis
20. Atrophy
21. Tissue Dystrophies (Accumulation of Lipids, Proteins, Hyaline Changes...)
22. Endogenic Pigmentation
23. Exogenic Pigmentation
24. Stones, Cysts
25. Progressive Changes (Hypertrophy, Hyperplasia, Metaplasia, Adaptation)
26. Regeneration and Reparation - Mechanisms of Progressive Changes
27. Disorders of Growing (Hypertrophy, Hyperplasia, Atrophy, Hypoplasia...)
28. Disorders of Proliferation And Differentiation
29. Alterations of Local Blood Flow, Vasoactive Substances
30. Hyperemia,
31. Ischemia,
32. Infarction
33. Embolism
34. Trombosis
35. Haemorrhage, Shock
36. Disorders of Tissue Fluid Exchanges, Disorders of Microcirculation (Oedema...),
37. Symptomatology – Pain, Headache, Oedema, Ascites, Fever, Dyspnoe, Caught, Weight Loss, Obesity, Vomitting, Diarrhoea, Obstipation, Ileus, Cyanosis, Bleeding, Itching
38. Pathophysiology of Thermoregulation, Hyper-, Hypothermia, Fever
39. Pain – Pathophysiology, Classification, Receptors, Mediators, Pathways
40. Inflammation – Etiology, Local and Body Reaction
41. Humoral Mediators of Inflammation, Phagocytosis
42. Course of Inflammation

43. Basic Concepts of Tumor Pathology, Definitions, Epidemiology, Clinical Manifestations, Metastasis, Classification
44. Benign Neoplasia, Characteristics, Samples
45. Malignant Neoplasia, Characteristics, Samples
46. Autoimmunity, Autoimmune Disorders
47. Immune Reactions, Allergy
48. Pathophysiology Of Water Balance (Dehydration, Hyperhydration...)
49. Disorders of Electrolytes (Sodium, Potassium, Calcium, Magnesium...)
50. Alterations in Acid-Base Balance (Acidosis, Alkalosis)
51. Pathophysiology of Ventilatory Disturbances
52. Pathological Forms of Breathing
53. Stress and Adaptation

Systemic Pathology

1. Anemias - Etiopathogenesis, Classification
2. Anemias – Posthaemorrhagic, Dyshemopoetic
3. Hemolytic Anemias
4. Polycythemia
5. Leukemias
6. Primary Changes of Leukocytes
7. Secondary Changes of Leukocytes
8. Leukocytosis, Leukopenia
9. Disturbances of Hemostasis (Hemorrhagic Diathesis)
10. Trombocytopenia, Trombastenia
11. Koagulopathies, Inhibition of Clotting, Hemophilia
12. Nodal Syndroma
13. Congenital Heart Defects
14. Acquired Heart Defects
15. Myocardial Hypertrophy
16. Cardiomyopathies,
17. Infectious Heart Diseases, Myocarditis, Endocarditis
18. Rheumatic Fever
19. Heart Failure
20. Arrhythmias/Dysrhythmias
21. Coronary Artery Disease
22. Angina Pectoris
23. Myocardial Infarction
24. Disorders of Peripheral Blood Supply
25. Atherosclerosis
26. Hypertension, Classification, Symptoms, Complications
27. Collapse, Shock, Hypotension
28. Angioneuropathies, Thrombangitis Obliterans, Periartheriitis Nodosa
29. Migraine, Stroke
30. Disorders of Pulmonary Circulation, Embolia
31. Diseases of Vein
32. Disease of Airways (Rhinitis, Flu, Angina...)
33. Bronchitis, Emphysema
34. Bronchopneumonia
35. Pneumonia
36. Bronchial Asthma
37. Tuberculosis
38. Chronic Obstructive Pulmonary Disease
39. Lung Cancer
40. Respiratory Distress Syndrome
41. SARS
42. Disorders of Pleura
43. Disorders of Oral Cavity
44. Pathophysiology of Esophagus
45. Gastritis, Dumping Syndrome
46. Ulcer Disease
47. Carcinoma of Stomach
48. Diseases of Small Intestine
49. Malabsorption
50. Diseases Of Bowel, Diverticulosis, Diverticulitis

51. Inflammatory Bowel Disease (IBD) Crohn`S Disease, Ulcerative Colitis
52. Appendicitis
53. Colon and Rectum Carcinoma
54. Hernias, Ileus, Disorders of Peritoneum
55. Disorders of The Liver Circulation
56. Icterus (Jaundice) Etiopatogenesis
57. Hepatitis, Cirrhosis of Liver
58. Liver Insufficiency
59. Cholecystitis, Cholangitis, Gallstones
60. Acute and Chronic Pancreatitis
61. Diabetes Mellitus, Hypoglycemia
62. Some Common Metabolic Disorders
63. Disturbances of Lipid Metabolism, Obesity
64. Anorexia, Bulimia,
65. Lipoproteins and Hyperlipoproteinemias,
66. Disturbances of Protein Metabolism
67. Vitamins Deficiency: Fat – Soluble Vitamins Deficiency (A,D,E,K), Water - Soluble Vitamins Deficiency
68. Trace Elements Deficiency
69. Dietetics
70. Disorders of Urine Secretion, Disturbances in Composition of Urine
71. Renal Insufficiency, Failure Acute/ Chronic,
72. Nephrotic Syndrome
73. Congenital Defects in Uropoetic System, Hydronephrosis
74. Infectious Diseases of Kidney and Urinary Tract
75. Disorders of Glomerular Filtration and Tubular Functions
76. Glomerulonephritis
77. Pyelonephritis
78. Nefro/ Urolithiasis
79. Functional Disorders of Adenohypophysis
80. Disturbances of Hypothalamo – Neurohypophyseal System
81. Hypothyroidism, Hyperthyroidism
82. Disorders of Parathyroid Function
83. Adrenocortical Insufficiency, Adrenogenital Syndrome, Hypercorticism (M. Cushing), Aldosteronism (Cohn`s Sy)
84. Disturbances of Function of Adrenal Medulla
85. Disorders of Male Sexual Function
86. Disorders of Female Sexual Function
87. Veneric Disorders

88. Role of Tissue Hormones in Pathological Conditions
89. Compulsions and Abnormalities
90. Sleeping and Waking Impairment
91. Alterations in Content Of Thought, Memory Impairment
92. Alterations in Consciousness
93. Endogenic and Exogenic Psychoses, Bipolar Disorder
94. Depresssion
95. Schizophrenias
96. Neurosis, Anxiety
97. Encephalitis, Meningitis
98. Epilepsy
99. Senility

100. Alzheimer`s Disease
101. Disorders of Pyramidal System,
102. Disorders of Extrapyrarnidal System (Parkinson)
103. Disorders of Cerebellar Functions
104. Multiple Sclerosis
105. Cerebrovascular Accident
106. Headache (Migraine, Neuralgia)
107. Spinal Cord Injury, Herniated Disc, Degenerative Alterations of Vertebral Column
108. Myopathies (Dystrophies, Atrophies, Tetanus)
109. Myasthenia Gravis
110. Rheumatoid Arthritis, Arthritis Urica
111. Arthrosis
112. Disorders of Bones (Fractures, Osteopenia, Osteomalacia, Osteoporosis)
113. Anomalies of Refraction
114. Visual Field Deficits, Cataract
115. Glaucoma
116. Meniere`s Disease, Otitis Media
117. Enterotoxycosis, Enterovirosis
118. Parasitic diseases
119. Bacterial infections
120. Viral infections
121. Mycotic infections
122. Childhood infectious diseases
123. Specific Granulation Inflammations
124. Immunodeficiency (AIDS)
125. Immune response in transplantation and tumors
126. Pathological Alterations in the Skin (Efflorescences), Bedsores
127. Birthmarks, Nevus, Warts, Skin Cancer
128. Pyodermias, Viral Infections of Skin
129. Eczema
130. Psoriasis Vulgaris
131. Dermatomycoses
132. Veneric Skin Disorders