



FORM

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SYNOPSIS


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SYNOPSIS OF PATHOPHYSIOLOGY (ACADEMIC YEAR (2015 - 2016))

1. Environmental Extremes - Extremes of Temperature, Atmospheric Pressure
2. Stress and Disease - Sympathetic Nervous System, Endocrine and Immune Responses
3. Stress and Disease - Factors Affecting Adaptation to Stress
4. Hypersensitivity - Type I Reactions and Related Disorders
5. Hypersensitivity - Types II, III, IV and Related Disorders
6. Autoimmune Diseases
7. Immunodeficiencies
8. Disorders of Peripheral Circulation - Arterial Hyperemia, Congestion, Stasis
9. Ischemia, Infarction - Definition, Types
10. Thrombosis - Predisposing Factors
11. Thrombosis - Mechanisms, Consequences
12. Embolism - Definition, Types
13. Hypoxia - Definition, Parameters, Types
14. Hypoxia - Pathogenesis, Compensations
15. Inflammation - Mediators and Modulators
16. Inflammation - Vascular Changes
17. Inflammation - Cellular Events
18. Disorders of carbohydrate metabolism. Hypoglycemia - pathogenesis
19. Diabetes Mellitus - Types, Pathogenesis
20. Diabetes Mellitus - Complications
21. Pathophysiology of Fat Metabolism. Obesity - Forms and Pathogenesis
22. Hyperlipidemia. Atherosclerosis
23. Fever - Mechanisms, Role, Harmful Effects


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24. Edema
25. Electrolyte Disorders - Sodium, Potassium, Calcium Imbalance
26. Acidosis - Types, Causes, Mechanisms
27. Alkalosis - Types, Causes, Mechanisms
28. Respiratory disease - mechanisms and manifestations of hypoxemia and hypercapnia, abnormal breathing patterns
29. Restrictive Lung Disease
30. Obstructive Lung Disease
31. Vascular pulmonary disorders
32. Erythrocyte Disorders
33. Leukocyte Disorders
34. Bleeding Disorders (Platelet and Coagulation Defects, Vascular Disorders)
35. Left - Sided Heart Failure
36. Right - Sided Heart Failure
37. Disorders of Cardiac Rhythm and Conduction
38. Ischemic Heart Disease - Angina Pectoris
39. Myocardial Infarction
40. States of Shock
41. Essential Hypertension
42. Secondary Hypertension
43. Valvular Heart Disease
44. Pericarditis
45. Gastrointestinal Disorders of Motility And Secretion
46. Gastrointestinal Ulcers
47. Manifestations of Liver Dysfunction

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48. Portal Hypertension, Ascites, Hepatic Encephalopathy - Pathogenesis

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49. Jaundice - Types

50. Pancreatic Insufficiency

51. Renal Failure (Acute and Chronic)

52. Alterations

of the Hypothalamic - Pituitary System

53. Alterations of the Thyroid Function

54. Alterations of the Parathyroid Function

55. Alterations of Adrenal Hormones

56. Disorders of Somatosensory Function. Pain

57. Disorders of Motor Function



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