

CONTENTS

SECTION ONE
NUTRITIONAL PHYSIOLOGY
ORIENTATION

CHAPTER

I. MAINTERNANCE AND METABOLISM	3
NUTRITIONAL BASIS OF GROWTH	3
ENERGY METABOLISM	8
II. MAINTENACE AND METABOLISM (continued)	30
ORGANIC NUTRIENTS	30
III. MAINTENANCE AND METABOLISM (continued)	64
ORGANIC NUTRIENTS	64
IV. MAINTERNACE AND MAETABOLISM (continued)	105
INORGANIC NUTRIENTS	105
MINERAL METABOLISM	105
ACID-BASE METABOLISM	147
WATER METABOLISM	154
V. DIGESTION AND ABSORPTION	164
ORAL DIGESTION	164
GASTRIC DIGESTION	164
INTESTINAL DIGESTION	171
COLONIC DIGESTION	175

SECTION TWO
NUTRITION IN HEALTH
ORIENTATION

VI. NUTRITION OF THE NEWBORN	183
NORMAL INFANTS	183
PREMATURE AND DELICATE INFANTS	200
VII. INFANT NUTRITION	214
NUTRITIONAL ASSESSMENT	214
NUTRITIONAL REQUIREMENTS	228
BREAST FEEDING	232
ARTIFICIAL FEEDING	254
MIXED FEEDING	270
FEEDING BEHAVIOR	285
VIII. INFANT FORMULAS	294
MILKS ANIMAL AND VEGETABLE	294

SUGARS AND STARCHES	328
IX. CHILD NUTRITION	344
NUTRITIONAL ASSESSMENT	344
NUTRITIONAL SUPERVISION	365
FEEDING BEHAVIOR	374
SECTION THREE	
NUTRITION IN DISEASE	
ORIENTATION	
SYMPTOM DIAGNOSIS OF NUTRITIONAL DISEASES	339
X. DIGESTIVE DISEASES	411
ALIMENTARY SYMPTOMS	411
GASTRIC DISORDERS	448
INTESTINAL DISORDERS	463
THERAPEUTIC FEEDING PROCEDURES	557
XI. DEFICIENCY DISEASES	564
MULTIPLE NUTRIENT DEFICIENCY	567
PROTEIN DEFICIENCY	608
VITAMIN-A DEFICIENCY	611
VITAMIN-B1 DEFICIENCY	616
VITAMIN-B COMPLEX DEFICIENCY	620
VITAMIN-C DEFICIENCY	624
VITAMIN-D DEFICIENCY	635
P-P FACTOR DEFICIENCY	654
CALCIUM DEFICIENCY	659
IRON DEFICIENCY	675
IODINE DEFICIENCY	693
XII. METABOLIC DISEASES	700
CONGENITAL METABOLIC ANOMALIES	700
DISORDERS OF ACID-BASE METABOLISM	705
DISORDERS OF PROTEIN METABOLISM	725
DISORDERS OF CARBOHYDRATE METABOLISM	762
DISORDERS OF MINERAL METABOLISM	837
DISSORDERS OF WATER METABOLISM	839
XIII. ALLERGIC DISEASES	918
CLINICAL CONCEPT	918
ETIOLOGIC FACTORS	918
EXCITANTS	919
DIAGNOSTIC CRITERIA	920
GASTRO-INTESTINAL ALLERGY	939
BRONCHIAL ASTHMA	944

ALLERGIC ECZEMA	955
URTICARIAL DERMATOSES	964
NASAL ALLERGY	970
ALLERGIC MIGRAINE	975
XIV. INFECTIOUS DISEASES	988
SYSTEMATIC MANIFESTATIONS	988
COMMON COLD	1003
DIPHTHERIA	1004
GLANDULAR FEVER	1005
MEASLES	1006
MUMPS	1006
PNEUMONIA	1007
PNEUMATIC FEVER	1007
SCARLET FEVER	1008
SMALLPOX	1008
SYPHILIS	1009
TUBERCULOSIS	1010
TYPHOID FEVER	1018
WHOOPING COUGH	1026
XV. REGIONAL DISEASES	1028
DISEASES OF THE EAR	1028
DISEASES OF THE NOSE	1029
DISEASES OF THE MOUTH	1031
DISEASES OF THE PHARYNX	1034
DISEASES OF THE ESOPHAGUS	1055
DISEASES OF THE LARYNX	1056
DISEASES OF THE BRONCHI	1037
DISEASES OF THE LUNGS	1037
DISEASES OF THE LIVER	1038
DISEASES OF THE PANCREAS	1040
DISEASES OF THE LYMPH NODES	1041
DISEASES OF THE DIAPHRAGM	1042
DISEASES OF THE PERITONEUM	1043
DISEASES OF THE CIRCULATORY SYSTEM	1043
DISEASES OF THE BLOOD-FORMING ORGANS	1048
DISEASES OF THE GENITO-URINARY SYSTEMS	1051
DISEASES OF THE DUCTLESS GLANDS	1068
DISEASES OF THE NERVOUS SYSTEM	1074
DISEASES OF THE MUSCLES	1081
DISEASES OF THE BONES	1082

DISEASE OF THE SKIN	1084
SURGICAL CONDITIONS	1088