

I: CELLS AND TISSUES

1

THE CELL

- 1.1 Overview
- 1.2 Microscopes and Techniques
- 1.3 Different Appearances of Cells According to Technique
- 1.4 Ultrastructure and Function of Cell Membranes
- 1.5 Intercellular Junctions: Ultrastructure and Function of Tight Junctions
- 1.6 Intercellular Junctions: Ultrastructure and Function of Anchoring Junctions
- 1.7 Intercellular Junctions: Ultrastructure and Function of Gap Junctions
- 1.8 Ultrastructure and Function of the Nucleus and Nucleolus
- 1.9 Ultrastructure and Function of the Nucleus: Chromatin and Matrix
- 1.10 Ultrastructure and Function of the Nuclear Envelope
- 1.11 Ultrastructure and Function of Mitochondria
- 1.12 Ultrastructure and Function of Mitochondrial Cristae and Matrix
- 1.13 Ultrastructure and Function of Smooth Endoplasmic Reticulum
- 1.14 Ultrastructure and Function of Rough Endoplasmic Reticulum
- 1.15 Ultrastructure and Function of Ribosomes
- 1.16 Ultrastructure of the Golgi Complex
- 1.17 Functions of the Golgi Complex
- 1.18 Ultrastructure and Function of Lysosomes
- 1.19 Ultrastructure and Function of Peroxisomes
- 1.20 Ultrastructure and Function of Inclusions: Glycogen
- 1.21 Ultrastructure and Function of Inclusions: Lipid Droplets
- 1.22 Ultrastructure and Function of Cytoplasmic Vesicles: Endocytosis, Transcytosis, and Exocytosis
- 1.23 Ultrastructure and Function of Microtubules
- 1.24 Ultrastructure and Function of Cytoplasmic Filaments
- 1.25 Ultrastructure and Function of the Centrosome and Centrioles
- 1.26 The Cell Cycle, Mitosis, and Other Cellular Processes
- 1.27 Specializations of the Cell Surface: Cilia and Basal Bodies
- 1.28 Histopathology and Disease
- 1.29 Pathology of the Cell

2

EPITHELIUM AND EXOCRINE GLANDS

- 2.1 Overview
- 2.2 Structure and Function of Simple Squamous Epithelium
- 2.3 Ultrastructure and Function of Simple Squamous Epithelium
- 2.4 Structure and Function of Simple Cuboidal Epithelium
- 2.5 Structure and Function of Simple Columnar Epithelium
- 2.6 Structure and Function of Pseudostratified Epithelium
- 2.7 Structure and Function of Stratified Squamous Epithelium
- 2.8 Ultrastructure and Function of Stratified Squamous Epithelium
- 2.9 Structure and Function of Stratified Cuboidal and Columnar Epithelia
- 2.10 Structure and Function of Transitional Epithelium (Urothelium)
- 2.11 Ultrastructure and Function of the Urothelium
- 2.12 Structure and Function of Basement Membranes
- 2.13 Overview of Exocrine Glands
- 2.14 Structure and Function of Serous Cells
- 2.15 Ultrastructure and Function of Serous Cells
- 2.16 Structure and Function of Mucous Cells
- 2.17 Structure and Histology of Resting Mammary Glands
- 2.18 Histology and Function of Lactating (Active) Mammary Glands
- 2.19 Ultrastructure and Function of Mammary Gland Alveoli
- 2.20 Histology of Atrophic Mammary Glands
- 2.21 Ultrastructure of Mammary Gland Ducts
- 2.22 Pathology of Epithelium and Exocrine Glands

3

CONNECTIVE TISSUE

- 3.1 Overview
- 3.2 Classification of Connective Tissue Proper
- 3.3 Structure and Function of Mesenchymal Cells
- 3.4 Structure and Function of Fibroblasts
- 3.5 Ultrastructure and Function of Fibroblasts
- 3.6 Synthesis of Collagen
- 3.7 Types of Collagen and Its Ultrastructure
- 3.8 Histology of Elastic Connective Tissue
- 3.9 Histology of Reticular Connective Tissue
- 3.10 Histology and Function of Mast Cells
- 3.11 Ultrastructure and Function of Mast Cells
- 3.12 Histology and Function of Plasma Cells
- 3.13 Ultrastructure of Plasma Cells
- 3.14 Structure and Function of Macrophages
- 3.15 Ultrastructure and Function of Macrophages
- 3.16 Histology of Adipose Tissue
- 3.17 Ultrastructure and Function of Unilocular Adipocytes in White Fat
- 3.18 Ultrastructure and Function of Multilocular Adipocytes in Brown Fat
- 3.19 Histology of Tendons and Ligaments
- 3.20 Pathology of Connective Tissue

4

MUSCLE TISSUE

- 4.1 Overview
- 4.2 Embryonic Development of Skeletal Muscle Fibers
- 4.3 Organization of Skeletal Muscle
- 4.4 Major Components of Skeletal Muscle Fibers
- 4.5 Histology and Ultrastructure of Skeletal Muscle Fibers in Longitudinal Section
- 4.6 Histology and Ultrastructure of Skeletal Muscle Fibers in Transverse Section
- 4.7 Ultrastructure of the Sarcotubular System in Skeletal Muscle
- 4.8 The Sarcomere and Myofilaments in Contraction
- 4.9 Ultrastructure of Skeletal Myofilaments in Transverse Section
- 4.10 Intrinsic Blood Supply of Skeletal Muscle
- 4.11 Skeletal Muscle Fiber Types
- 4.12 Histochemistry and Ultrastructure of Skeletal Muscle Fiber Types
- 4.13 High-Resolution Scanning Electron Microscopy of Skeletal Muscle
- 4.14 Histology and Ultrastructure of the Muscle-Tendon Junction
- 4.15 Structure and Function of Satellite Cells
- 4.16 Organization of Neuromuscular Junctions
- 4.17 Ultrastructure of Neuromuscular Junctions
- 4.18 Histology of Cardiac Muscle
- 4.19 Ultrastructural Components of Cardiac Muscle
- 4.20 Ultrastructure of Cardiac Muscle in Longitudinal Section
- 4.21 Ultrastructure of Cardiac Muscle in Transverse Section
- 4.22 Ultrastructure of Intercalated Discs
- 4.23 Ultrastructure of Atrial Myocytes
- 4.24 Histology of Purkinje Fibers
- 4.25 Ultrastructure of Purkinje Fibers
- 4.26 Histology of Smooth Muscle
- 4.27 Ultrastructure of Smooth Muscle
- 4.28 Ultrastructure of Smooth Muscle in Transverse Section
- 4.29 Innervation of Smooth Muscle
- 4.30 Pathology of Muscle Tissue

5

NERVOUS TISSUE

- 5.1 Overview
- 5.2 Embryonic Development
- 5.3 Structure and Function of the Meninges
- 5.4 Neurocytology: Cytoarchitecture
- 5.5 Neurocytology: Staining Methods
- 5.6 Structure of a Neuron
- 5.7 Ultrastructure of a Neuron in Gray Matter in Relation to Surrounding Structures
- 5.8 Ultrastructure of a Spinal Cord Neuron Soma
- 5.9 Types of Synapses
- 5.10 Ultrastructure of Synapses
- 5.11 Structure and Function of Glial Cells
- 5.12 Structure and Function of Astrocytes
- 5.13 Structure and Function of the Blood-Brain Barrier
- 5.14 Ultrastructure of the Blood-Brain Barrier
- 5.15 Myelination of Axons in the Central and Peripheral Nervous Systems
- 5.16 Oligodendrocytes and Myelination in the Central Nervous System
- 5.17 Structure and Function of the Ependyma
- 5.18 Structure and Function of the Choroid Plexus
- 5.19 Cytoarchitecture of the Cerebral Cortex
- 5.20 Cytoarchitecture of the Cerebellum
- 5.21 Histology and Ultrastructure of the Cerebellum
- 5.22 Anatomy and Histology of the Spinal Cord
- 5.23 Histology of Peripheral Nerves
- 5.24 Ultrastructure of Myelinated and Unmyelinated Nerve Fibers in the Peripheral Nervous System
- 5.25 Ultrastructure of Myelinated Nerve Fibers in the Peripheral Nervous System
- 5.26 Nerve Fibers in Longitudinal Section and Nodes of Ranvier in the Peripheral Nervous System
- 5.27 Histology of Peripheral Autonomic Ganglia
- 5.28 Histology and Ultrastructure of Peripheral Ganglia
- 5.29 Ultrastructure and Function of the Perineurium
- 5.30 Pathology of Nervous Tissue

6

CARTILAGE AND BONE

- 6.1 Overview
- 6.2 Structure of Cartilage
- 6.3 Histology of Hyaline Cartilage
- 6.4 Composition of Hyaline Cartilage Matrix
- 6.5 Histology of Fibrocartilage
- 6.6 Histology of Elastic Cartilage
- 6.7 Ultrastructure of Chondrocytes
- 6.8 Overview of Bone Formation (Osteogenesis)
- 6.9 Intramembranous Bone Formation
- 6.10 Endochondral Bone Formation
- 6.11 Structure and Function of Growth Plates
- 6.12 Histology of the Growth Plate and the Metaphysis
- 6.13 Histology of Trabecular Bone Deposition and Resorption
- 6.14 Histology and Function of the Cells of Trabecular Bone
- 6.15 Microarchitecture of Compact Bone
- 6.16 Histology and Function of Spongy and Compact Bone
- 6.17 Structure and Function of the Periosteum
- 6.18 Formation and Composition of Collagen
- 6.19 Ultrastructure of Osteoblasts
- 6.20 Ultrastructure of Osteocytes
- 6.21 Ultrastructure and Function of Osteoclasts
- 6.22 Bone Fracture Repair: Early Events
- 6.23 Bone Fracture Repair: Intermediate and Late Events
- 6.24 Histology of Synovial Joints
- 6.25 Histology and Function of the Synovium
- 6.26 Pathology of Bone

7

BLOOD AND BONE MARROW

- 7.1 Overview
- 7.2 Formed Elements of Blood
- 7.3 Ultrastructure and Function of Erythrocytes
- 7.4 Structure and Function of Neutrophils
- 7.5 Structure and Function of Eosinophils
- 7.6 Structure and Function of Basophils
- 7.7 Structure and Function of Lymphocytes
- 7.8 Structure and Function of Monocytes
- 7.9 Structure and Function of Platelets
- 7.10 Histology of Bone Marrow
- 7.11 Methods of Studying Bone Marrow
- 7.12 Hematopoiesis
- 7.13 Erythropoiesis
- 7.14 Granulocytopoiesis
- 7.15 Monocytopoiesis, Lymphocytopoiesis, and Thrombocytopoiesis
- 7.16 Pathology of Blood and Bone Marrow

II: SYSTEMS

8

CARDIOVASCULAR SYSTEM

- 8.1** Overview
- 8.2** Histology and Function of the Heart Wall and Pericardium
- 8.3** Histology of the Endocardium and Myocardium
- 8.4** Histology of Heart Valves
- 8.5** Classification of Arteries and Veins
- 8.6** Histology of Elastic Arteries
- 8.7** Ultrastructure of the Aorta
- 8.8** Histology of Large Veins: The Venae Cavae
- 8.9** Histology of Muscular Arteries and Veins
- 8.10** Structure and Function of Coronary Arteries
- 8.11** Structure and Function of Arterioles
- 8.12** Ultrastructure and Function of Arterioles and Venules
- 8.13** Ultrastructure and Function of Vascular Smooth Muscle
- 8.14** Histology and Function of Venules, Veins, and Venous Valves
- 8.15** Ultrastructure and Function of the Endothelium
- 8.16** Structure and Function of Capillaries
- 8.17** Ultrastructure and Function of Tight Capillaries
- 8.18** Ultrastructure and Function of Fenestrated Capillaries
- 8.19** Innervation of Blood Vessels
- 8.20** Ultrastructure and Function of Lymphatic Capillaries
- 8.21** Histology and Function of the Thoracic Duct
- 8.22** Pathology of Cardiovascular System

9

LYMPHOID SYSTEM

- 9.1 Overview
- 9.2 Histology and Function of Lymphatic Vessels
- 9.3 Histology and Function of Mucosa-Associated Lymphoid Tissue
- 9.4 Structure and Function of Lymph Nodes
- 9.5 Histology of Lymph Nodes: Cortex and Paracortex
- 9.6 Histology of Lymph Nodes: Medulla and Sinuses
- 9.7 Structure and Function of High Endothelial Venules
- 9.8 Structure and Function of Tonsils
- 9.9 Histology and Function of Tonsils
- 9.10 Development and Function of the Thymus
- 9.11 Histology of the Thymus
- 9.12 Structure and Function of the Blood-Thymus Barrier
- 9.13 Histology and Function of the Thymic Medulla and Hassall Corpuscles
- 9.14 Structure and Function of the Spleen
- 9.15 Histology of the Spleen
- 9.16 Blood Supply to White Pulp
- 9.17 Blood Supply to Red Pulp
- 9.18 Pathology of Lymphoid System

10

ENDOCRINE SYSTEM

- 10.1 Overview
- 10.2 Anatomy of the Pituitary
- 10.3 Development of the Pituitary
- 10.4 Divisions and Functions of the Pituitary
- 10.5 Blood Supply of the Pituitary
- 10.6 Histology and Function of the Pituitary Lobes
- 10.7 Histology of the Anterior Lobe: Chromophils and Chromophobes
- 10.8 Immunocytochemistry of Cells of the Pars Distalis
- 10.9 Functions of the Adenohypophysis
- 10.10 Ultrastructure of the Anterior Lobe
- 10.11 Functions of the Neurohypophysis
- 10.12 Histology of the Posterior Lobe
- 10.13 Ultrastructure and Function of the Posterior Lobe
- 10.14 Overview of the Thyroid and Parathyroid
- 10.15 Histology and Function of the Thyroid
- 10.16 Ultrastructure and Function of Thyroid Follicular Cells
- 10.17 Histology and Function of the Parathyroid
- 10.18 Histology and Ultrastructure of Parathyroid Chief Cells
- 10.19 Overview of the Adrenal and Its Blood Supply
- 10.20 Development of the Adrenal
- 10.21 Histology and Histochemistry of the Adrenal
- 10.22 Histology and Function of the Adrenal Cortex and Medulla
- 10.23 Ultrastructure of Spongiocytes in the Zona Fasciculata
- 10.24 Ultrastructure of Chromaffin Cells in the Adrenal Medulla
- 10.25 Overview and Histology of Islets of Langerhans
- 10.26 Immunocytochemistry of Islets of Langerhans
- 10.27 Ultrastructure of Islets of Langerhans
- 10.28 Ultrastructure and Function of Beta Cells
- 10.29 Histology of the Pineal
- 10.30 Pathology of Endocrine System

11

INTEGUMENTARY SYSTEM

- 11.1 Overview
- 11.2 Histology of Thick and Thin Skin
- 11.3 Histology of the Epidermis
- 11.4 Ultrastructure of the Epidermis
- 11.5 Ultrastructure of Keratinocytes
- 11.6 Histology and Function of Epidermal Melanocytes
- 11.7 Ultrastructure of Melanocytes and Melanogenesis
- 11.8 Structure and Function of Epidermal Langerhans Cells
- 11.9 Histology and Vasculature of the Dermis
- 11.10 Histology and Innervation of the Dermis
- 11.11 Histology and Function of Eccrine Sweat Glands
- 11.12 Histology and Function of Apocrine Sweat Glands
- 11.13 Histology of Pilosebaceous Units: Hair
- 11.14 Histology and Function of Pilosebaceous Units: Hair Follicles and Hair Growth
- 11.15 Ultrastructure of Hair and Its Follicles
- 11.16 Histology of Sebaceous Glands and Arrector Pili Muscles
- 11.17 Ultrastructure and Function of Sebaceous Glands
- 11.18 Anatomy and Histology of Nails
- 11.19 Histology of Psoriasis
- 11.20 Pathology of Integumentary System

12

UPPER DIGESTIVE SYSTEM

- 12.1 Overview
- 12.2 Histology of the Lips: Skin and Vermilion Border
- 12.3 Histology of the Lips: Oral Mucosa and Central Core
- 12.4 Histology of the Oral Cavity: Cheek and Gingiva
- 12.5 Structure and Function of the Tongue
- 12.6 Histology and Function of Lingual Papillae
- 12.7 Structure and Function of the Palate
- 12.8 Structure and Function of Teeth
- 12.9 Development and Histology of Teeth: Ameloblasts and Odontoblasts
- 12.10 Histology of Teeth: Dentin and Enamel
- 12.11 Structure and Function of Salivary Glands
- 12.12 Histology of Parotid Glands
- 12.13 Histology of Mixed Salivary (Submandibular and Sublingual) Glands
- 12.14 Ultrastructure and Function of Striated Ducts
- 12.15 Structure and Function of the Esophagus
- 12.16 Histology of the Esophagus: Mucosa
- 12.17 Histology of Mucous Glands of the Esophagus
- 12.18 Histology and Function of the Esophagus: Muscularis Externa and Adventitia
- 12.19 Histology and Function of the Esophagogastric Junction
- 12.20 Structure and Function of the Enteric Nervous System
- 12.21 Pathology of Upper Digestive System

13

LOWER DIGESTIVE SYSTEM

- 13.1 Development of the Foregut, Midgut, and Hindgut
- 13.2 Structure and Function of the Stomach
- 13.3 Histology of the Stomach: Gastric Glands and Pits
- 13.4 Histology and Function of Surface Mucous and Mucous Neck Cells
- 13.5 Histology of Gastric Chief Cells and Parietal Cells
- 13.6 Ultrastructure and Function of Parietal Cells
- 13.7 Ultrastructure and Function of Gastric Chief Cells
- 13.8 Ultrastructure and Function of Enteroendocrine Cells
- 13.9 Ultrastructure of the Serosa and Muscularis Externa
- 13.10 Histology of the Gastroduodenal Junction
- 13.11 Structure and Function of the Small Intestine
- 13.12 Histology and Function of the Duodenum
- 13.13 Histology of the Jejunum
- 13.14 Histology of the Ileum
- 13.15 Histology and Cell Renewal of the Epithelium of the Small Intestine
- 13.16 Ultrastructure and Function of Enterocytes
- 13.17 Ultrastructure and Function of Goblet Cells
- 13.18 Ultrastructure and Function of Paneth Cells
- 13.19 Structure and Function of the Large Intestine
- 13.20 Histology of the Large Intestine
- 13.21 Structure and Function of the Appendix
- 13.22 Histology of the Appendix
- 13.23 Structure and Function of the Anorectal Junction
- 13.24 Histology of the Anorectal Junction
- 13.25 Pathology of Lower Digestive System

14

LIVER, GALLBLADDER, AND EXOCRINE PANCREAS

- 14.1 Overview of the Liver
- 14.2 Classic Hepatic Lobules
- 14.3 Portal Triads with Blood and Bile Supply
- 14.4 Histology of the Portal Tract and Central Vein
- 14.5 Histologic Arrangement of Hepatic Parenchyma
- 14.6 Structure and Function of the Liver Acinus
- 14.7 Histology of Glisson Capsule
- 14.8 Ultrastructure of Hepatocytes
- 14.9 Ultrastructure and Function of Hepatocytes
- 14.10 Ultrastructure of Hepatic Sinusoids
- 14.11 Ultrastructure and Function of Kupffer Cells
- 14.12 Ultrastructure of the Space of Dissé
- 14.13 Ultrastructure and Function of Hepatic Stellate Cells
- 14.14 Histology and Ultrastructure of the Hepatic Biliary Duct System
- 14.15 Ultrastructure and Function of Bile Canaliculi
- 14.16 Overview of the Gallbladder
- 14.17 Histology of the Gallbladder Wall
- 14.18 Ultrastructure and Function of the Gallbladder Mucosa
- 14.19 Overview of the Pancreas
- 14.20 Histology of the Exocrine Pancreas: Ducts
- 14.21 Histology of the Exocrine Pancreas: Acini
- 14.22 Ultrastructure of the Exocrine Pancreas
- 14.23 Development of the Pancreas
- 14.24 Pathology of Liver

15

RESPIRATORY SYSTEM

- 15.1 Overview
- 15.2 Structure of the Nasal Cavities and Paranasal Sinuses
- 15.3 Histology of the Nasal Cavities and Paranasal Sinuses
- 15.4 Histology of the Epiglottis
- 15.5 Histology of the Larynx and Vocal Cords
- 15.6 Structure of the Trachea and Major Bronchi
- 15.7 Histology of the Trachea
- 15.8 Scanning Electron Microscopy of Tracheal and Bronchial Epithelium
- 15.9 Ultrastructure of Tracheal and Bronchial Epithelium
- 15.10 Ultrastructure and Function of Respiratory Cilia
- 15.11 Histology of the Bronchi
- 15.12 Structure of Intrapulmonary Airways
- 15.13 Histology of Terminal and Respiratory Bronchioles
- 15.14 Ultrastructure of Bronchiolar Epithelium: Club Cells
- 15.15 Intrapulmonary Blood Circulation
- 15.16 Histology and Ultrastructure of Pulmonary Alveoli
- 15.17 Ultrastructure of the Blood-Air Barrier
- 15.18 Ultrastructure of Type II Pneumocytes
- 15.19 Ultrastructure of Alveolar Macrophages
- 15.20 Development of the Lower Respiratory System
- 15.21 Pathology of Respiratory System

16

URINARY SYSTEM

- 16.1 Overview
- 16.2 Organization of the Renal Vasculature
- 16.3 Anatomy of the Uriniferous Tubule (Nephron and Collecting Duct)
- 16.4 Histology and Function of the Renal Cortex
- 16.5 Histology of Renal Corpuscles
- 16.6 Ultrastructure of Renal Corpuscles
- 16.7 Ultrastructure and Function of Renal Corpuscles
- 16.8 Ultrastructure and Function of the Renal Filtration Barrier
- 16.9 Scanning Electron Microscopy of Renal Podocytes
- 16.10 Histology of Proximal and Distal Tubules
- 16.11 Ultrastructure and Function of Proximal and Distal Tubules
- 16.12 Ultrastructure and Function of Proximal Tubules
- 16.13 Ultrastructure of the Juxtaglomerular Complex
- 16.14 Ultrastructure and Function of Cells of the Juxtaglomerular Complex
- 16.15 Histology and Ultrastructure of Loops of Henle (Thin Segments)
- 16.16 Histology of Collecting Ducts
- 16.17 Ultrastructure and Function of Collecting Ducts
- 16.18 Pronephros, Mesonephros, and Metanephros
- 16.19 Development of the Metanephros
- 16.20 Histology of the Ureters and Urinary Bladder
- 16.21 Histology of the Ureters
- 16.22 Histology of the Urinary Bladder
- 16.23 Histology of the Male and Female Urethra
- 16.24 Pathology of the Urinary System



17

MALE REPRODUCTIVE SYSTEM

- 17.1 Overview
- 17.2 Anatomy and Histology of Testes
- 17.3 Testicular Development and Spermatogenesis
- 17.4 Histology of Seminiferous Tubules
- 17.5 Ultrastructure of Seminiferous Tubules and Spermatogenesis
- 17.6 Ultrastructure of Germ Cells and Early Spermiogenesis
- 17.7 Ultrastructure of Germ Cells and Later Spermiogenesis
- 17.8 Ultrastructure and Function of Sertoli Cells
- 17.9 Histology and Ultrastructure of Leydig Cells
- 17.10 Ultrastructure and Function of Leydig Cells
- 17.11 Anatomy and Histology of the Epididymis
- 17.12 Histology and Function of the Epididymis
- 17.13 Histology of the Ductus (Vas) Deferens
- 17.14 Ultrastructure and Function of the Ductus (Vas) Deferens
- 17.15 Anatomy and Histology of the Prostate and Seminal Vesicles
- 17.16 Histology and Function of the Prostate
- 17.17 Ultrastructure of the Prostate
- 17.18 Histology of Seminal Vesicles
- 17.19 Anatomy and Histology of the Urethra and Penis
- 17.20 Histology of the Penis
- 17.21 Histology and Function of the Penis
- 17.22 Pathology of Male Reproductive System

18

FEMALE REPRODUCTIVE SYSTEM

- 18.1 Overview
- 18.2 Ovarian Structures and Development
- 18.3 Histology of the Ovarian Cortex
- 18.4 Histology of Developing Ovarian Follicles
- 18.5 Ultrastructure of Developing Ovarian Follicles
- 18.6 Histology of Mature Graafian Follicles
- 18.7 Structure and Function of the Corpus Luteum
- 18.8 Ultrastructure and Function of Steroid-Secreting Cells in the Ovary
- 18.9 Histology of Atretic Follicles and Senile Ovaries
- 18.10 Structure and Function of Fallopian Tubes
- 18.11 Histology and Function of Fallopian Tubes
- 18.12 Ultrastructure and Function of the Epithelium of Fallopian Tubes
- 18.13 Anatomy and Histology of the Uterus
- 18.14 Endometrial Blood Supply
- 18.15 The Menstrual Cycle: Histologic and Hormonal Changes
- 18.16 Histology of the Endometrium: Follicular Phase
- 18.17 Histology of the Endometrium: Luteal Phase
- 18.18 Histology of the Cervix
- 18.19 Histology of the Vagina
- 18.20 Anatomy and Histology of the External Genitalia
- 18.21 Structure and Function of the Placenta
- 18.22 Histology of the Placenta
- 18.23 Ultrastructure and Function of the Placental Barrier
- 18.24 Histology of the Umbilical Cord
- 18.25 Development and Function of Mammary Glands
- 18.26 Histology and Function of Nipples and Areolae
- 18.27 Pathology of Female Reproductive System