

**AMERICAN OSTEOPATHIC BOARD OF EMERGENCY MEDICINE
TABLE OF SPECIFICITY FOR CERTIFICATION/RECERTIFICATION
WRITTEN EXAMINATION**

CORE CONTENT CATEGORIES

- 1.0 Abdominal and Gastrointestinal Disorders
- 2.0 Cardiovascular Disorders
- 3.0 Cutaneous Disorders
- 4.0 Endocrine, Metabolic, and Nutritional Disorders
- 5.0 Environmental Disorders
- 6.0 Head, Ear, Eye, Nose, Throat Disorders
- 7.0 Hematologic Disorders/Immune System Disorders
- 8.0 Systemic Infectious Disorders
- 9.0 Musculoskeletal Disorders (Nontraumatic)
- 10.0 Nervous System Disorders
- 11.0 Obstetrics and Disorders of Pregnancy/Gynecology
- 12.0 Pediatric Disorders
- 13.0 Psychobehavioral Disorders
- 14.0 Renal Disorders/Urogenital Disorders
- 15.0 Thoracic-Respiratory Disorders
- 16.0 Toxicologic Disorders/Clinical Pharmacology
- 17.0 Traumatic Disorders
- 18.0 Administrative Aspects of Emergency Medicine/EMS
- 19.0 Disaster Medicine
- 20.0 Procedures/Skills

1.1 ABDOMINAL AND GASTROINTESTINAL DISORDERS SECTION 1

1.1 Esophagus	
1.1.1 Motor abnormalities	
1.1.1.1 Esophageal spasm	L
1.1.1.2 Achalasia	L
1.1.2 Structural disorders	
1.1.2.1 Varices	M
1.1.2.2 Rupture (Boerhaave's syndrome)	M
1.1.2.3 Perforation.....	M
1.1.2.4 Tears (Mallory-Weiss syndrome).....	M
1.1.2.5 Foreign body	M
1.1.2.6 Hiatal hernia/ Diaphragmatic hernia	L
1.1.2.7 Webs, strictures, stenosis, fistulas.....	L
1.1.2.8 Diverticula	L
1.1.3 Inflammatory disorders	
1.1.3.1 Reflux esophagitis.....	M
1.1.3.2 Caustic injury.....	M
1.1.4 Infectious disorders	L
1.2 Liver	
1.2.1 Hepatitis	
1.2.1.1 Infectious	
1.2.1.1.1 Viral.....	M
1.2.1.1.2 Bacterial.....	L
1.2.1.1.3 Parasitic	L
1.2.1.2 Toxic	
1.2.1.2.1 Drug and toxin	M
1.2.1.2.2 Alcoholic	M
1.2.2 Cirrhosis	M
1.2.3 Hepatic/hepato-renal failure	L
1.2.4 Tumors of the liver.....	L
1.2.5 Abscess.....	L
1.3 Gall Bladder and Biliary Tract	
1.3.1 Cholecystitis	H
1.3.2 Cholangitis.....	H
1.3.3 Cholelithiasis	H
1.3.4 Gallstone ileus.....	L
1.4 Pancreas	
1.4.1 Inflammatory.....	H
1.4.1.1 Obstructive	H
1.4.1.2 Toxic/metabolic	L
1.4.2 Carcinoma	L
1.5 Stomach	
1.5.1 Structural lesions	
1.5.1.1 Volvulus.....	L
1.5.1.2 Foreign bodies	L
1.5.1.3 Rupture	L
1.5.1.4 Gastric outlet obstruction	L
1.5.2 Inflammatory disorders	
1.5.2.1 Acute gastritis.....	M
1.5.3 Peptic ulcer disease	
1.5.3.1 Duodenal ulcer	H
1.5.3.2 Gastric ulcer	H

1.2 ABDOMINAL AND GASTROINTESTINAL DISORDERS SECTION 2

- 1.6 Small Bowel
 - 1.6.1 Motor abnormalities
 - 1.6.1.1 Obstruction.....H
 - 1.6.2 Structural disorders
 - 1.6.2.1 Aortoenteric fistula L
 - 1.6.2.2 Malabsorption..... L
 - 1.6.2.3 Meckel’s diverticulum L
 - 1.6.3 Inflammatory disorders
 - 1.6.3.1 Acute appendicitis.....H
 - 1.6.3.2 Regional enteritis/Crohn’s disease M
 - 1.6.4 Infectious disorders
 - 1.6.4.1 Viral M
 - 1.6.4.2 Bacterial M
 - 1.6.4.3 Parasitic L
 - 1.6.5 Vascular disorders
 - 1.6.5.1 Mesenteric ischemia M
 - 1.6.5.2 Ischemic colitis L
- 1.7 Large Bowel
 - 1.7.1 Motor abnormalities
 - 1.7.1.1 Irritable bowel..... M
 - 1.7.1.2 Obstruction/pseudo obstruction M
 - 1.7.2 Structural disorders
 - 1.7.2.1 Diverticular disease..... M
 - 1.7.2.2 Volvulus..... M
 - 1.7.3 Inflammatory disorders
 - 1.7.3.1 Ulcerative colitis M
 - 1.7.3.2 Radiation colitis L
 - 1.7.4 Infectious disorders
 - 1.7.4.1 Bacterial M
 - 1.7.4.2 Viral M
 - 1.7.4.3 Parasitic L
 - 1.7.4.4 Antibiotic associated M
- 1.8 Rectum and Anus
 - 1.8.1 Structural disorders
 - 1.8.1.1 Anal fissure/fistula L
 - 1.8.1.2 Hemorrhoids..... L
 - 1.8.1.3 Rectal prolapse L
 - 1.8.1.4 Foreign body M
 - 1.8.2 Inflammatory disorders
 - 1.8.2.1 Proctitis L
- 1.9 Abdominal Wall
 - 1.9.1 Hernias M
- 1.10 Peritoneum
 - 1.10.1 Ascites..... L
 - 1.10.2 Spontaneous bacterial peritonitis..... L
- 1.11 Tumor of GI tract L
- 1.12 GI bleed
 - 1.12.1 UpperH
 - 1.12.2 LowerH

2.1 CARDIOVASCULAR DISORDERS SECTION 1

- 2.1 Pathophysiology
 - 2.1.1 Congenital disorders L
 - 2.1.2 Acquired disorders M
- 2.2 Diseases of the Myocardium, Acquired
 - 2.2.1 Cardiac failure
 - 2.2.1.1 High outputH
 - 2.2.1.2 Low outputH
 - 2.2.1.3 Cor pulmonaleH
 - 2.2.2 Cardiomyopathy
 - 2.2.2.1 Hypertrophic heart disease L
 - 2.2.3 Ischemic heart disease
 - 2.2.3.1 Angina.....H
 - 2.2.3.2 Myocardial infarction.....H
 - 2.2.3.3 Cardiogenic shockH
 - 2.2.3.4 Ventricular aneurysm..... M
 - 2.2.4 Endocarditis..... M
 - 2.2.5 Valvular heart disease.....H
 - 2.2.6 Myocarditis L
- 2.3 Diseases of the Pericardium
 - 2.3.1 Pericarditis M
 - 2.3.2 Pericardial effusion/tamponade..... M

2.2 CARDIOVASCULAR DISORDERS SECTION 2

- 2.4 Diseases of the Conduction System (Disturbances of Cardiac Rhythm)
 - 2.4.1 Dysrhythmias
 - 2.4.1.1 Ventricular H
 - 2.4.1.2 Supraventricular H
 - 2.4.2 Conduction abnormalities H
- 2.5 Diseases of the Circulation, Acquired
 - 2.5.1 Arterial
 - 2.5.1.1 Atherosclerosis/insufficiency M
 - 2.5.1.2 Aneurysm M
 - 2.5.1.3 Arteritis L
 - 2.5.1.4 Emboli/thrombi M
 - 2.5.1.5 Thrombosis M
 - 2.5.1.6 Aortic dissection H
 - 2.5.2 Venous
 - 2.5.2.1 Venous insufficiency L
 - 2.5.2.2 Thromboembolism/Thrombophlebitis H
 - 2.5.3 Lymphatics L
- 2.6 Cardiac Transplant Patient L
- 2.7 Hypertension
 - 2.7.1 Acute hypertensive crisis H
 - 2.7.2 Chronic hypertension M
- 2.8 Primary Tumors of the Heart L
- 2.9 Myocardial Manifestations of Systemic Diseases
 - 2.9.1 Infections M
 - 2.9.2 Endocrine and metabolic diseases L
 - 2.9.3 Rheumatologic L
 - 2.9.4 Renal L
 - 2.9.5 Toxic exposures L
- 2.10 Treatment Modalities
 - 2.10.1 Thrombolytic therapy H
 - 2.10.2 Pharmacologic agents H
 - 2.10.3 Cardiac Pacemakers M
 - 2.10.4 Surgical interventions
 - 2.10.4.1 Vascular reconstruction L
 - 2.10.4.2 Angioplasty M
 - 2.10.4.3 Circulatory augmentation L
 - 2.10.4.4 Implantable defibrillators M

3.0 CUTANEOUS DISORDERS

3.1 Dermatitis	
3.1.1 Atopic	M
3.1.2 Contact	M
3.1.3 Eczema	
3.1.3.1 Dyshidrotic	L
3.1.3.2 Nummular.....	L
3.1.4 Exfoliative	L
3.1.5 Psoriasis	L
3.1.6 Seborrhea.....	L
3.1.7 Photosensitivity	L
3.2 Infections	
3.2.1 Bacterial	
3.2.1.1 Abscesses.....	H
3.2.1.2 Cellulitis/lymphangitis.....	M
3.2.1.3 Erysipelas.....	L
3.2.1.4 Folliculitis.....	L
3.2.1.5 Bacterial exanths	L
3.2.2 Fungal	M
3.2.3 Infestation.....	L
3.2.4 Viral	
3.2.4.1 Aphthous ulcers	L
3.2.4.2 Herpes simplex	M
3.2.4.3 Herpes zoster.....	M
3.2.4.4 Molluscum contagiosum	L
3.2.4.5 Viral exanths	M
3.3 Maculopapular Lesions	
3.3.1 Pityriasis rosea	L
3.3.2 Purpura and petechiae.....	M
3.3.3 Urticaria	M
3.4 Papular/Nodular Lesions	
3.4.1 Epidermal inclusion cysts/sebaceous cysts	L
3.4.2 Fibroma	L
3.4.3 Hemangioma	L
3.4.4 Lipoma.....	L
3.4.5 Nevi	L
3.4.6 Lichen planus	L
3.5 Erythemas	
3.5.1 Erythema multiforme	M
3.5.2 Erythema nodosum	L
3.6 Vesicular/Bullous Lesions	
3.6.1 Pemphigus/pemphigoid.....	L
3.6.2 Scaled skin syndrome	M
3.6.3 Toxic epidermal necrolysis.....	M
3.7 Cancers	
3.7.1 Basal cell	L
3.7.2 Kaposi's sarcoma	M
3.7.3 Melanoma.....	M
3.7.4 Squamous cell.....	L
3.8 Cutaneous Manifestations of Systemic Disease	H
3.9 Decubitus Ulcer	L

4.0 ENDOCRINE, METABOLIC, AND NUTRITIONAL DISORDERS

4.1 Acid-Base Disturbances	
4.1.1 Metabolic or Respiratory	
4.1.1.1 Acidosis	H
4.1.1.2 Alkalosis	H
4.1.2 Mixed acid-base disorders	M
4.2 Adrenal Disease	
4.2.1 Hyperadrenalism (Cushing's syndrome)	L
4.2.2 Hypoadrenalism (Addison's disease)	L
4.3 Fluid and Electrolyte Disturbances	
4.3.1 Calcium	M
4.3.2 Magnesium	L
4.3.3 Phosphorus	L
4.3.4 Potassium	H
4.3.5 Sodium	H
4.3.6 Water – Hydration	M
4.3.7 SIADH	L
4.4 Glucose Metabolism	
4.4.1 Diabetes mellitus	
4.4.1.1 Diabetic ketoacidosis	H
4.4.1.2 Hyperosmolar coma	H
4.4.2 Hypoglycemic syndromes	M
4.5 Nutritional Disorders	
4.5.1 Wernicke-Korsakoff syndrome	L
4.5.2 Vitamin deficiency/excess	L
4.6 Parathyroid Disease	L
4.7 Pheochromocytoma	L
4.8 Pituitary Disorders	L
4.9 Thyroid Disorders	
4.9.1 Hyperthyroidism/thyroid storm	M
4.9.2 Hypothyroidism/myxedema	M
4.9.3 Thyroiditis	L
4.10 Endocrine Manifestations of Neoplasia	L

5.0 ENVIRONMENTAL DISORDERS

5.1 Diving Emergencies/Dysbarism	
5.1.1 Acute gas embolism	L
5.1.2 Decompression syndrome	M
5.1.3 Barotrauma.....	L
5.2 Submersion Incidents	
5.2.1 Near drowning	M
5.2.2 Cold water immersion.....	M
5.3 Electrical Injury	
5.3.1 Lightning injury	M
5.3.2 AC/DC current/voltage	M
5.4 High-Altitude Illness	
5.4.1 Acute mountain sickness	L
5.4.2 High-altitude cerebral edema	L
5.4.3 High-altitude pulmonary edema	L
5.5 Radiation Injury/emergency.....	L
5.6 Poisonous Plants	M
5.7 Smoke Inhalation	H
5.8 Temperature-Related Illness	
5.8.1 Heat	H
5.8.2 Cold	
5.8.2.1 Hypothermia.....	H
5.8.2.2 Frostbite	L
5.9 Bites and Stings	
5.9.1 Arthropods.....	L
5.9.2 Mammals.....	M
5.9.3 Marine organisms.....	L
5.9.4 Reptiles	L

6.0 HEAD, EAR, EYE, NOSE, THROAT DISORDERS

6.1 Ear	
6.1.1 Foreign body	M
6.1.2 Mastoiditis	L
6.1.3 Otitis externa	
6.1.3.1 Malignant.....	M
6.1.4 Otitis media	H
6.1.5 Tympanic membrane perforation	M
6.2 Nose	
6.2.1 Epistaxis	H
6.2.2 Nasal foreign body	M
6.2.3 Rhinitis.....	L
6.2.4 Sinusitis	M
6.3 Oropharynx/Throat	
6.3.1 Foreign body	H
6.3.2 Gingivitis/stomatitis	L
6.3.3 Larynx/trachea	
6.3.3.1 Laryngitis.....	L
6.3.3.2 Epiglottitis.....	M
6.3.3.3 Tracheitis.....	L
6.3.4 Ludwig's angina.....	M
6.3.5 Oral candidiasis.....	L
6.3.6 Dental disorders	L
6.3.7 Tonsillitis/pharyngitis/uvulitis	M
6.3.8 Abscess - peritonsillar/retropharyngeal	M
6.3.9 Angioedema	
6.3.10 Sialoadenitis/sialolithiasis	L
6.3.11 Temporomandibular joint disorders	L
6.4 Eye	
6.4.1 External eye	
6.4.1.1 Blepharitis	L
6.4.1.2 Chalazion/hordeolum	L
6.4.1.3 Conjunctivitis	M
6.4.1.4 Corneal abrasions.....	H
6.4.1.5 Dacryocystitis/dacryoadenitis.....	L
6.4.1.6 Foreign body	H
6.4.2 Anterior pole	
6.4.2.1 Cataract.....	L
6.4.2.2 Glaucoma.....	H
6.4.2.3 Hyphema/hypopyon	M
6.4.2.4 Iritis.....	M
6.4.3 Posterior pole	
6.4.3.1 Choroiditis	L
6.4.3.2 Optic neuritis	M
6.4.3.3 Papilledema	M
6.4.3.4 Retinal detachment	M
6.4.3.5 Vascular occlusion	
6.4.3.5.1 Central retinal artery	H
6.4.3.5.2 Central retinal vein.....	M
6.4.3.6 Vitreous hemorrhage	M
6.4.3.7 Retinal manifestations of systemic diseases	L
6.4.4 Orbit	
6.4.4.1 Panophthalmitis	L
6.4.4.2 Periorbital/preseptal orbital cellulites	H
6.5 Cavernous Sinus Thrombosis	M

7.0 HEMATOLOGIC DISORDERS/ IMMUNE SYSTEM DISORDERS

7.1 Hemostatic Disorders	
7.1.1 Clotting factor disorders	
7.1.1.1 Hemophilias	L
7.1.1.2 Acquired	L
7.1.2 Disseminated intravascular coagulation	M
7.1.3 Platelet disorders	M
7.1.4 Von Willebrand's disease	L
7.2 Lymphomas	L
7.3 Pancytopenia	L
7.4 Red Blood Cell Disorders	
7.4.1 Anemia	
7.4.1.1 Aplastic	L
7.4.1.2 Hemolytic	
7.4.1.2.1 Glucose-6-phosphate dehydrogenase deficiency	L
7.4.1.2.2 Hemolytic uremic syndrome	L
7.4.1.3 Hemoglobinopathies	
7.4.1.3.1 Sickle cell disease/trait	M
7.4.1.3.2 Thalassemia	L
7.4.2 Polycythemia	L
7.5 Transfusions	
7.5.1 Complications	H
7.5.2 Component therapy	M
7.5.3 Indications for transfusion	H
7.6 White Blood Cell Disorders	
7.6.1 Leukemia	M
7.6.2 Leukemoid reaction	L
7.6.3 Leukopenia	M
7.6.4 Multiple myeloma	
7.7 Autoimmune Diseases	
7.7.1 Acute rheumatic fever	L
7.7.2 Collagen vascular diseases	
7.7.2.1 Dermatomyositis	L
7.7.2.2 Polymyositis	L
7.7.2.3 Reiter's	L
7.7.2.4 Rheumatoid arthritis	L
7.7.2.5 Sarcoidosis	M
7.7.2.6 Systemic lupus erythematosus	M
7.7.2.7 Scleroderma	L
7.7.2.8 Vasculitis	L
7.8 Immune Deficiency Syndromes	
7.8.1 HIV	H
7.8.2 Immunosuppression	M
7.8.3 Drug-related	L
7.8.4 Radiation-induced	L
7.8.5 Malnutrition	L
7.9 Transplant-Related Problems	
7.9.1 Rejection	M
7.10 Hypersensitivity	
7.10.1 Anaphylactic/anaphylactoid reactions	H
7.10.2 Angioedema	M
7.10.3 Drug allergies	M
7.10.4 Serum sickness	L

8.1 SYSTEMIC INFECTIOUS DISORDERS SECTION 1

- 8.1 Bacterial
 - 8.1.1 Bacterial food poisoning
 - 8.1.1.1 Botulism L
 - 8.1.2 Sexually transmitted diseases
 - 8.1.2.1 Gonococcal disease.....H
 - 8.1.2.2 Syphilis..... M
 - 8.1.2.3 Chancroid..... L
 - 8.1.2.4 Granuloma inguinale L
 - 8.1.2.5 Chlamydia M
 - 8.1.2.6 Herpes progenitalia L
 - 8.1.3 Bacteremia/sepsisH
 - 8.1.4 Mycobacterial infections
 - 8.1.4.1 Tuberculosis.....H
 - 8.1.4.2 Atypical mycobacteria L
 - 8.1.5 MeningococemiaH
 - 8.1.6 Plague L
 - 8.1.7 Tetanus M
 - 8.1.8 Toxic shock syndrome..... M
 - 8.1.9 Mycoplasma M
- 8.2 Fungal..... L

8.2 SYSTEMIC INFECTIOUS DISORDERS SECTION 2

- 8.3 Protozoan – Parasites
 - 8.3.1 Malaria..... L
 - 8.3.2 Toxoplasmosis L
- 8.4 Tick Borne Illness
 - 8.4.1 Rocky Mountain Spotted Fever M
 - 8.4.2 Lyme disease M
 - 8.4.3 Ehrlichiosis M
- 8.5 Viral
 - 8.5.1 HIV..... H
 - 8.5.2 Infectious mononucleosis M
 - 8.5.3 Influenza M
 - 8.5.4 Mumps..... L
 - 8.5.5 Polio..... L
 - 8.5.6 Rabies M
 - 8.5.7 Rubella L
 - 8.5.8 Roseola L
 - 8.5.9 Varicella/zoster M
 - 8.5.10 Herpes simplex L
- 8.6 Travel-Related L
- 8.7 Prevention
 - 8.7.1 Prophylaxis..... M
 - 8.7.2 Immunizations M
- 8.8 Emerging infections M

9.0 MUSCULOSKELETAL DISORDERS (NONTRAUMATIC)

9.1	Bony Abnormalities	
9.1.1	Aseptic necrosis of hip	L
9.1.2	Osteomyelitis.....	M
9.1.3	Tumors	L
9.1.4	Paget's disease	L
9.2	Joint Abnormalities	
9.2.1	Arthritis	
9.2.1.1	Septic	H
9.2.1.2	Gout/pseudogout	M
9.2.1.3	Collagen vascular	L
9.2.1.4	Degenerative	L
9.3	Disorders of the Spine	
9.3.1	Ankylosing spondylitis	L
9.3.2	Spondylolysis/spondylolisthesis	L
9.3.3	Disk disorders	
9.3.3.1	Herniated nucleus pulposus	M
9.3.3.2	Discitis.....	L
9.3.4	Low back syndromes (OM considerations)	
9.3.4.1	Acute sprain	H
9.3.4.2	Sacroiliitis.....	H
9.3.4.3	Sciatica	H
9.3.4.4	Cauda equina syndrome.....	M
9.3.5	Spinal stenosis	L
9.4	Overuse Syndromes	
9.4.1	Tendonitis.....	M
9.4.2	Bursitis	L
9.4.3	Fibrositis.....	L
9.4.4	Muscle strains	M
9.4.5	Carpal tunnel syndrome.....	M
9.5	Muscle Abnormalities	
9.5.1	Muscular dystrophies	L
9.5.2	Rhabdomyolysis.....	M
9.5.3	Myositis	L
9.6	Soft Tissue Infections	
9.6.1	Necrotizing fasciitis	H
9.6.2	Gangrene	M
9.6.3	Paronychia	M
9.6.4	Felon	L
9.6.5	Tenosynovitis/synovitis	M
9.7	Osteopathic Diagnosis and Treatment.....	H

10.1 NERVOUS SYSTEM DISORDERS SYSTEMIC INFECTIOUS DISORDERS SECTION 1

10.1	Stroke	
10.1.1	Subarachnoid hemorrhage	H
10.1.2	Intracerebral hemorrhage	H
10.1.3	Ischemic stroke	H
10.1.4	Transient ischemic attack	M
10.2	Cranial Nerve Disorders	
10.2.1	Bell's palsy	M
10.2.2	Trigeminal neuralgia	L
10.3	Demyelinating Disorders	
10.3.1	Multiple sclerosis	L
10.4	Infections/Inflammatory Disorders	
10.4.1	Abscess	
10.4.1.1	Brain.....	M
10.4.1.2	Epidural.....	M
10.4.2	Encephalitis	M
10.4.3	Meningitis	H
10.4.4	Myelitis	L
10.4.5	Neuritis	L
10.5	Neuromuscular Disorders	
10.5.1	Landry's Guillain-Barré syndromes.....	M
10.5.2	Myasthenia gravis	L
10.5.3	Amyotrophic lateral sclerosis	L

10.2 NERVOUS SYSTEM DISORDERS SYSTEMIC INFECTIOUS DISORDERS SECTION 2

10.6	Peripheral Neuropathy	
10.6.1	Compression syndromes	M
10.6.2	Toxic and other neuropathies	L
10.7	Spinal Cord Compression	M
10.8	Hydrocephalus	
10.8.1	Acute	L
10.8.2	Normal pressure.....	L
10.8.3	CNS shunt malfunction	M
10.9	Seizure Disorders	
10.9.1	Status epilepticus	H
10.9.2	Focal seizures	M
10.9.3	Generalized seizures	M
10.10	Headache	H
10.11	Pseudotumor Cerebri/Benign Intracranial Hypertension.....	L
10.12	Tumors	L
10.13	Movement Disorders	L
10.14	Vertigo	
10.14.1	Labyrinthitis	L
10.14.2	Menieres	L

11.0 OBSTETRICS AND DISORDERS OF PREGNANCY/GYNECOLOGY

11.1	Pregnancy, Uncomplicated	L
11.2	Pregnancy, Complicated	
11.2.1	Ectopic	H
11.2.2	Hyperemesis gravidarum	M
11.2.3	Abortion	H
11.2.4	Abruptio placentae	M
11.2.5	Placenta previa	M
11.2.6	Toxemia/pregnancy-induced hypertension	
11.2.6.1	Preeclampsia	H
11.2.6.2	Eclampsia	H
11.2.7	Rh incompatibility	M
11.2.8	Hydatidiform mole	L
11.2.9	HELLP syndrome	L
11.3	Labor, Uncomplicated	L
11.4	Labor, Complicated	
11.4.1	Premature rupture of membranes	M
11.4.2	Preterm labor	M
11.4.3	Fetal distress	M
11.4.4	Ruptured uterus	L
11.5	Delivery, Uncomplicated.....	M
11.6	Delivery, Complicated	
11.6.1	Presentation	M
11.6.2	Dystocia	M
11.6.3	Prolapsed cord	M
11.6.4	Retained placenta	M
11.6.5	Uterine inversion	M
11.6.6	Multiple Births.....	M
11.7	Postpartum Complications	
11.7.1	Hemorrhage	M
11.7.2	Endometritis	M
11.7.3	Mastitis	L
11.8	Genital Tract/Female	
11.8.1	Ovarian disorders	
11.8.1.1	Ovarian Cyst	L
11.8.1.2	Ovarian torsion	M
11.8.1.3	Tumors.....	L
11.8.2	Vagina and vulva	
11.8.2.1	Foreign bodies	L
11.8.2.2	Imperforate hymen.....	L
11.8.3	Uterus	
11.8.3.1	Endometriosis	L
11.8.3.2	Dysfunctional uterine bleeding	M
11.8.3.3	Tumor.....	L
11.8.3.4	Uterine prolapse	L
11.8.4	Cervix	
11.8.4.1	Cervicitis/endocervicitis	L
11.8.4.2	Tumor.....	L
11.8.5	Infectious disorders	
11.8.5.1	Bartholinian abscess.....	M
11.8.5.2	Pelvic inflammatory disease	
11.8.5.2.1	Tubo-ovarian abscess	H
11.8.5.2.2	Fitz-Hugh – Curtis syndrome.....	L
11.8.5.3	Vulvovaginitis	M
11.8.5.4	Urethritis.....	L
11.9	Sexual Assault	M

12.1 PEDIATRIC DISORDERS SECTION 1

12.1	Abdominal/Gastrointestinal	
12.1.1	Anorectal fissures.....	L
12.1.2	Appendicitis.....	H
12.1.3	Colic/formula intolerance	L
12.1.4	Congenital lesions	
12.1.4.1	Tracheoesophageal fistula	L
12.1.4.2	Esophageal atresia	L
12.1.4.3	Achalasia	L
12.1.4.4	Pyloric stenosis.....	M
12.1.4.5	Biliary atresia	L
12.1.4.6	Meckel's diverticulum	L
12.1.4.7	Aganglionic megacolon/Hirschsprung's.....	L
12.1.5	Foreign bodies	M
12.1.6	Gastroenteritis/enterocolitis	M
12.1.7	Gastroesophageal reflux.....	L
12.1.8	Gastrointestinal bleeding	L
12.1.9	Hernias	M
12.1.10	Intussusception	H
12.1.11	Malrotation of the bowel with volvulus	L
12.1.12	Tumors	
12.1.12.1	Neuroblastoma	L
12.1.12.2	Wilms' tumor	L
12.2	Cardiovascular	
12.2.1	Dysrhythmias	M
12.2.2	Congenital Abnormalities of the Cardiovascular System	
12.2.2.1	Familial/genetically transmitted disorders.....	L
12.2.2.2	Disorders due to anatomic anomalies	
12.2.2.2.1	Hypertrophic heart disease.....	M
12.2.2.2.2	Mitral valve prolapse.....	M
12.2.2.2.3	Patent foramen ovale.....	L
12.2.3	Acquired heart disease	
12.2.3.1	Pericarditis	L
12.2.3.2	Infective endocarditis	L
12.2.3.3	Myocarditis	L
12.2.3.4	Rheumatic fever.....	L
12.3	Endocrine/Metabolic	
12.3.1	Glucose metabolism	
12.3.1.1	Diabetes mellitus	M
12.3.1.2	Diabetic ketoacidosis	H
12.3.1.3	Hypoglycemia	M
12.3.2	Congenital abnormalities	
12.3.2.1	Adrenal hyperplasia	L
12.3.3	Inborn errors of metabolism	L
12.4	Hematologic	
12.4.1	Anemias	L
12.4.2	Hemoglobinopathies	L
12.4.3	Hemostatic disorders	L
12.4.4	Leukemias	M
12.4.5	Lymphomas	L
12.5	Neurologic	
12.5.1	Encephalopathies	
12.5.1.1	Reye's syndrome	L
12.5.2	Meningitis/encephalitis	H

12.2 PEDIATRIC DISORDERS..... SECTION 2

12.5.3	Seizures	
12.5.3.1	Febrile.....	H
12.5.3.2	Nonfebrile.....	H
12.5.4	Hydrocephalus/ventricular shunts.....	M
12.5.5	Neuromuscular disorders.....	L
12.5.6	Tumors.....	L
12.6	Orthopedic	
12.6.1	Legg-Calvé-Perthes disease.....	M
12.6.2	Septic joint.....	H
12.6.3	Osteomyelitis.....	L
12.6.4	Slipped capital femoral epiphysis.....	M
12.6.5	Transient synovitis.....	L
12.6.6	Tumors	
12.6.6.1	Ewing's sarcoma.....	L
12.6.6.2	Osteogenic sarcoma.....	L
12.6.7	Osgood-Schlatter disease.....	M
12.6.8	Congenital dislocation of the hip.....	L
12.6.9	Osteogenesis imperfecta.....	L
12.7	Head, Ear, Eye, Nose, Throat	
12.7.1	Epiglottitis.....	M
12.7.2	Foreign bodies.....	H
12.7.3	Laryngotracheobronchitis (croup).....	H
12.7.4	Nasopharyngitis (upper respiratory infection).....	M
12.7.5	Otitis externa.....	M
12.7.6	Otitis media.....	H
12.7.7	Pharyngitis/tonsillitis.....	M
12.7.8	Peritonsillar/retropharyngeal abscess.....	M
12.7.9	Sinusitis.....	L
12.7.10	Gingivostomatitis.....	L
12.7.11	Torticollis.....	L
12.7.12	Tracheitis/bacterial.....	M
12.7.13	Tumor	
12.7.13.1	Retinoblastoma.....	L
12.7.14	Congenital cysts.....	L
12.7.15	Cervical adenitis.....	L
12.8	Psychiatric	
12.8.1	Abuse.....	H
12.8.2	Eating disorders.....	L
12.8.3	Depression/suicide.....	M
12.8.4	Acute psychosis.....	L
12.8.5	Behavioral disorders.....	L

12.3 PEDIATRIC DISORDERS SECTION 3

12.9	Respiratory	
12.9.1	Bronchiolitis.....	H
12.9.2	Bronchopulmonary dysplasia.....	L
12.9.3	Cystic fibrosis	M
12.9.4	Foreign bodies	H
12.9.5	Asthma/reactive airway disease	H
12.9.6	Pneumonia	
12.9.6.1	Atypical	M
12.9.6.2	Bacterial.....	H
12.9.6.3	Viral	
12.9.6.3.1	Parainfluenza.....	M
12.9.6.3.2	Respiratory syncytial.....	H
12.9.7	Pertussis	M
12.10	Bacteremia and Sepsis	H
12.11	Rheumatologic	
12.11.1	Juvenile rheumatoid arthritis	L
12.11.2	Kawasaki syndrome.....	M
12.11.3	Schönlein-Henoch purpura	L
12.12	Skin and Soft Tissue Infections	
12.12.1	Bacterial	
12.12.1.1	Cellulitis	
12.12.1.1.1	Orbital	H
12.12.1.1.2	Periorbital/preseptal	M
12.12.1.2	Impetigo.....	M
12.12.1.3	Staphylococcal scalded skin syndrome.....	M
12.12.2	Infestations	
12.12.2.1	Pediculosis.....	M
12.12.2.2	Scabies	M
12.12.3	Fungal	
12.12.3.1	Candida.....	M
12.12.3.2	Tinea/kerion	M
12.12.4	Viral exanthema	
12.12.4.1	Erythema infectiosum	L
12.12.4.2	Measles.....	M
12.12.4.3	Roseola	L
12.12.4.4	Rubella	L
12.12.4.5	Varicella/zoster	M
12.13	Genitourinary	
12.13.1	Congenital kidney abnormalities	L
12.13.2	Penile	
12.13.2.1	Balanitis	M
12.13.2.2	Phimosis/paraphimosis.....	M
12.13.2.3	Priapism.....	L
12.13.3	Testicular	
12.13.3.1	Torsion.....	H
12.13.3.2	Undescended testis	M
12.13.4	Urinary tract infections	M
12.13.5	Vaginal foreign bodies	L
12.14	Sudden Infant Death Syndrome/Acute Life-Threatening Event	H
12.15	Immunizations	M
12.16	Neonatal	
12.16.1	Assessment.....	M
12.16.2	Jaundice.....	L
12.16.3	Sepsis	H
12.16.4	Seizures	H
12.17	Pediatric/Neonatal Resuscitation	
12.17.1	Fluid and electrolyte management	M

13.0 PSYCHOBEHAVIORAL DISORDERS

13.1	Thought Disorders	
13.1.1	Schizophrenia	M
13.1.2	Delusional paranoia	L
13.2	Mood Disorders	
13.2.1	Bipolar disorder	M
13.2.2	Depression	H
13.3	Anxiety Disorders	
13.3.1	Posttraumatic stress	M
13.3.2	Panic	M
13.3.3	Phobia	L
13.3.4	Obsessive-compulsive	L
13.3.5	Catatonic	L
13.4	Somatoform Disorders	
13.4.1	Hysterical conversion	L
13.4.2	Hypochondriasis	L
13.5	Factitious Disorders	
13.5.1	Munchausen syndrome	L
13.5.2	Drug-seeking behavior	H
13.6	Addictive Behavior	
13.6.1	Substance abuse	H
13.6.2	Eating disorders	L
13.7	Personality Disorders	L
13.8	Organic Brain Syndromes	
13.8.1	Delirium	H
13.8.2	Dementia	M
13.8.3	Amnesia	
13.8.3.1	Traumatic	M
13.8.3.2	Transient global	L
13.8.4	Intoxication and withdrawal	
13.8.4.1	Alcohol	H
13.8.4.2	Sympathomimetics and cocaine	H
13.8.4.3	Hallucinogens	M
13.8.4.4	Phencyclidine	L
13.8.4.5	Opioids	H
13.8.4.6	Sedatives/hypnotics/anxiolytics	M
13.9	Risk Assessment	
13.9.1	Suicidal risk or self abuse	H
13.9.2	Risk of violence against others (i.e., abuse behavior)	H
13.10	Involuntary Competency Assessment/Commitment	H
13.11	Treatment Modalities	
13.11.1	Chemical restraints	H
13.11.2	Physical restraints	H
13.11.3	Management of violence	H
13.11.4	Community resource utilization	M
13.12	Patterns of Violence/Abuse/Neglect	
13.12.1	Family violence	M
13.12.2	Sexual assault	H

14.0 RENAL DISORDERS/ UROGENITAL DISORDERS

14.1	Structural Disorders	
14.1.1	Renal calculi.....	H
14.1.2	Obstructive uropathy.....	M
14.1.3	Renal obstruction.....	M
14.2	Infection	
14.2.1	Pyelonephritis.....	H
14.2.2	Perinephric abscess.....	L
14.3	Glomerular Disorders	
14.3.1	Glomerulonephritis.....	L
14.3.2	Nephrotic syndrome.....	L
14.4	Acute and Chronic Renal Failure.....	H
14.5	Interstitial Tubular Necrosis.....	L
14.6	Interstitial Nephritis.....	L
14.7	Tumors.....	L
14.8	Complications of Dialysis.....	M
14.9	Genital Tract/Male	
14.9.1	Congenital	
14.9.1.1	Hydrocele/varicocele.....	L
14.9.1.2	Hypospadias.....	L
14.9.2	Structural	
14.9.2.1	Paraphimosis/phimosis.....	M
14.9.2.2	Peyronie's disease.....	L
14.9.2.3	Priapism.....	M
14.9.2.4	Testicular torsion.....	H
14.9.2.5	Urethral strictures.....	L
14.9.2.6	Urethral foreign bodies.....	L
14.9.2.7	Prostatic hypertrophy.....	L
14.9.3	Inflammation/infection	
14.9.3.1	Epididymitis/orchitis.....	M
14.9.3.2	Balanitis.....	L
14.9.3.3	Gangrene of the scrotum (Fournier's gangrene).....	M
14.9.3.4	Prostatitis.....	M
14.9.3.5	Urethritis.....	M
14.9.4	Tumors.....	L
14.10	Sexual Assault.....	M

15.0 THORACIC-RESPIRATORY DISORDERS

15.1	Acute Upper Airway Obstruction	
15.1.1	Tracheostomy/complications	M
15.2	Breast Disorders	L
15.3	Disorders of Pleura, Mediastinum, and Chest Wall	
15.3.1	Costochondritis	M
15.3.2	Mediastinal masses	L
15.3.3	Mediastinitis	L
15.3.4	Pleural effusions/empyema	M
15.3.5	Pluerisy	L
15.3.6	Pneumomediastinum	M
15.3.7	Pneumothoraces	H
15.4	Hyperventilation Syndrome	L
15.5	Noncardiogenic Pulmonary Edema (Adult Respiratory Distress Syndrome)	M
15.6	Obstructive/Restrictive Lung Disease	
15.6.1	Asthmas	H
15.6.2	Bronchitis	H
15.6.3	Chronic obstructive pulmonary disease	H
15.6.4	Cystic fibrosis	L
15.6.5	Interstitial fibrosis	L
15.6.6	Environmental/industrial exposure	M
15.7	Physical and Chemical Irritants/Insults	
15.7.1	Chemical agents	L
15.7.2	Foreign bodies	L
15.7.3	Aspiration of gastric contents	M
15.8	Primary Pulmonary Hypertension	L
15.9	Pulmonary Embolism/Infarct	H
15.10	Pulmonary Infections	
15.10.1	Bacterial	H
15.10.2	Fungal	L
15.10.3	Atypical	M
15.10.4	Lung abscess	L
15.10.5	Bronchiectasis	L
15.10.6	Opportunistic	M
15.10.7	Septic emboli	L
15.10.8	Tuberculosis	H
15.10.9	Viral	M
15.11	Thoracic Outlet Syndrome (OM considerations)	L
15.12	Pulmonary Tumors	L
15.13	Sarcoidosis	M
15.14	Sleep Apnea Syndromes	L

16.1 TOXICOLOGIC DISORDERS/CLINICAL PHARMACOLOGY.....SECTION 1

16.1	Principles	
16.1.1	Toxicologic information	M
16.1.2	Toxicologic diagnostic modalities	M
16.1.3	Toxidromes	H
16.1.4	Treatment modalities	
16.1.4.1	Antidotes	M
16.1.4.2	Skin decontamination	L
16.1.4.3	Gastric decontamination	M
16.1.4.4	Enhanced elimination	
16.1.4.4.1	Activated charcoal	H
16.1.4.4.2	Cathartics/whole bowel irrigation	M
16.1.4.4.3	Diuresis	L
16.1.4.4.4	Dialysis/hemoperfusion	M
16.1.4.4.5	Hyperbaric oxygen	M
16.2	Drug and Chemical Classes	
16.2.1	Acetaminophen	H
16.2.2	Alcohols	
16.2.2.1	Ethanol	H
16.2.2.2	Ethylene glycol	M
16.2.2.3	Isopropyl Alcohol	L
16.2.2.4	Methanol	M
16.2.3	Analgesics/anesthetics	M
16.2.4	Anticholinergics/cholinergics	M
16.2.5	Anticoagulants	L
16.2.6	Anticonvulsants	M
16.2.7	Antidepressants	
16.2.7.1	Lithium	M
16.2.7.2	Monoamine oxidase inhibitors	L
16.2.7.3	Cyclic antidepressants	M
16.2.7.4	SSRI	M
16.2.8	Antiparkinsonian drugs	L
16.2.9	Antihistamines	L
16.2.10	Antipsychotics	
16.2.10.1	Dystonia	M
16.2.10.2	Tardive dyskinesia	M
16.2.10.3	Neuroleptic malignant syndrome	M
16.2.11	Bronchodilators	L
16.2.12	Cannabis	L
16.2.13	Carbon monoxide	H
16.2.14	Cardiovascular drugs	
16.2.14.1	Antiarrhythmics	L
16.2.14.2	Antihypertensives	M
16.2.14.3	Digitalis preparations	H
16.2.14.4	Calcium channel blockers	M
16.2.14.5	β -Blockers	M
16.2.15	Caustic agents	M
16.2.16	Cocaine	H
16.2.17	Cyanides, hydrogen sulfide	L
16.2.18	Food Additives	L
16.2.19	Hallucinogens	L
16.2.20	Heavy metals and chelation	L
16.2.21	Household/industrial poisons	M
16.2.22	Hormones/steroids	L

16.2 TOXICOLOGIC DISORDERS/CLINICAL PHARMACOLOGY.....SECTION 2

16.2.23	Hydrocarbons/halogenated hydrocarbons	M
16.2.24	Hypoglycemics/insulin.....	M
16.2.25	Inhaled toxins	L
16.2.26	Iron	L
16.2.27	Isoniazid	L
16.2.28	Local anesthetics	M
16.2.29	Irritant gases	L
16.2.30	Marine toxins	
16.2.30.1	Ciguatera	L
16.2.30.2	Scombroid.....	L
16.2.31	Methemoglobinemia.....	L
16.2.32	Mushrooms/poisonous plants	L
16.2.33	Neuromuscular blocking agents	
16.2.33.1	Depolarizing	H
16.2.33.2	Nondepolarizing.....	H
16.2.34	Nitrogen compounds	L
16.2.35	Nonsteroidal anti-inflammatories	M
16.2.36	Organophosphates/carbamate	M
16.2.37	Opiates/opioids	M
16.2.38	Salicylates	H
16.2.39	Sedatives/hypnotics.....	M
16.2.40	Stimulants/sympathomimetics	M
16.2.41	Strychnine	L
16.2.42	Tocolytics, oxytocics	L
16.3	Clinical Pharmacology	
16.3.1	Principles	
16.3.1.1	Pharmacokinetics	L
16.3.1.2	Drug interactions.....	M
16.3.1.3	Adverse reactions	M
16.3.1.4	Drugs in pregnancy/breast-feeding	M
16.3.1.5	Effect of age.....	L
16.3.1.6	Withdrawal syndromes	M
16.3.1.7	Neonatal/pediatric considerations	M
16.3.1.8	Sedatives/hypnotics	

17.1	Principles of Care	
17.1.1	Resuscitations and stabilization	
17.1.1.1	Hemorrhagic shock	H
17.1.1.2	Neurogenic shock	M
17.1.2	Injury prevention and control	
17.1.2.1	Epidemiology overview	M
17.1.2.2	Mechanism of injury	
17.1.2.2.1	Blunt	H
17.1.2.2.2	Penetrating	
17.1.2.2.2.1	Gunshot wounds	
17.1.2.2.2.1.1	Ballistics	L
17.1.2.2.2.2	Stab wounds	H
17.1.2.2.2.3	Clinical forensics	L
17.1.2.2.3	Kinematics	M
17.2	Diagnosis and Management by Anatomic Areas	
17.2.1	Head trauma	
17.2.1.1	Scalp lacerations/avulsions	L
17.2.1.2	Skull fractures	L
17.2.1.3	Intracranial injury	H
17.2.1.4	Cerebrospinal fluid leaks (otorrhea, rhinorrhea)	M
17.2.2	Spinal cord and peripheral nervous system trauma	
17.2.2.1	Complete spinal cord injuries	H
17.2.2.2	Incomplete cord injuries	H
17.2.2.3	Nerve root injuries	L
17.2.2.4	Brachial and lumbosacral plexus injuries	L
17.2.2.5	Peripheral nerve injuries	M
17.2.3	Injuries of the spine	
17.2.3.1	Fractures	H
17.2.3.2	Dislocations/subluxations	H
17.2.4	Facial fractures	
17.2.4.1	Dental fractures and avulsions	M
17.2.4.2	Maxillofacial	M
17.2.4.3	Mandibular	M
17.2.4.4	Orbital	M
17.2.5	Soft tissue facial injuries	M
17.2.6	Ophthalmologic trauma	
17.2.6.1	Corneal abrasions/lacerations	H
17.2.6.2	Foreign bodies	H
17.2.6.3	Iritis	M
17.2.6.4	Hyphema	H
17.2.6.5	Lens dislocation	M
17.2.6.6	Retinal detachment	M
17.2.6.7	Penetrating globe injuries	H
17.2.6.8	Eyelid lacerations	M
17.2.6.9	Lacrimal duct injuries	M
17.2.6.10	Corneal burns	
17.2.6.10.1	Acid	M
17.2.6.10.2	Alkali	H
17.2.6.10.3	Ultraviolet	M

17.2 TRAUMATIC DISORDERS SECTION 2

- 17.2.7 Otologic trauma
 - 17.2.7.1 Lacerations M
 - 17.2.7.2 Avulsions L
 - 17.2.7.3 Subperichondrial hematoma..... M
 - 17.2.7.4 Tympanic membrane perforation..... L
- 17.2.8 Neck trauma
 - 17.2.8.1 Vascular injuries
 - 17.2.8.1.1 Carotid artery..... M
 - 17.2.8.1.2 Internal and external jugular veins L
 - 17.2.8.1.3 Thoracic duct..... L
 - 17.2.8.2 Penetrating neck trauma..... L
- 17.2.9 Laryngotracheal injuries
 - 17.2.9.1 Lacerations L
 - 17.2.9.2 Crush injuries M
 - 17.2.9.3 Vocal cord avulsions/hematomas..... L
 - 17.2.9.4 Fractured larynx..... M
 - 17.2.9.5 Tracheal transaction M
 - 17.2.9.6 Compression with hematomas M
- 17.2.10 Chest trauma
 - 17.2.10.1 Penetrating chest trauma..... H
 - 17.2.10.2 Rib fractures L
 - 17.2.10.3 Sternal fractures M
 - 17.2.10.4 Flail chest..... M
 - 17.2.10.5 Clavicle fracture/dislocation..... M
 - 17.2.10.6 Aortic/vascular injury..... H
 - 17.2.10.7 Myocardial contusion L
 - 17.2.10.8 Pulmonary contusion M
 - 17.2.10.9 Pericardial tamponade..... H
 - 17.2.10.10 Tracheobronchial tree injuries M
 - 17.2.10.11 Pneumothoraces H
 - 17.2.10.12 Hemothorax H

17.3 TRAUMATIC DISORDERS	SECTION 3
17.2.11 Abdominal trauma	
17.2.11.1 Penetrating abdominal trauma	H
17.2.11.2 Solid viscus injuries	M
17.2.11.3 Hollow viscus injuries	M
17.2.11.4 Vascular injuries	M
17.2.11.5 Diaphragmatic rupture	M
17.2.11.6 Renal/retroperitoneal	M
17.2.11.7 Genitourinary	
17.2.11.7.1 Contusions	L
17.2.11.7.2 Lacerations	M
17.2.11.7.3 Renal vascular injuries	M
17.2.11.8 Ureteral injuries	L
17.2.12 Upper extremity bony trauma	
17.2.12.1 Fractures (open and closed)	M
17.2.12.2 Dislocations/subluxations	M
17.2.13 Lower extremity bony trauma	
17.2.13.1 Fractures (open and closed)	M
17.2.13.2 Dislocations/subluxations	M
17.2.14 Soft tissue extremity injuries	
17.2.14.1 Tendon injuries	M
17.2.14.2 Periarticular injuries	M
17.2.14.3 Injuries to joints	M
17.2.14.4 Compartment syndromes/crush injuries	H
17.2.14.5 Penetrating soft tissue injuries	L
17.2.14.6 High pressure injection injuries	M
17.2.14.7 Amputations/replantation	M
17.2.15 Pelvic fractures	M
17.2.16 Injuries of the genitalia	
17.2.16.1 Female	L
17.2.16.2 Male	L
17.2.17 Cutaneous injuries	
17.2.17.1 Lacerations	M
17.2.17.2 Avulsions	L
17.2.17.3 Burns	
17.2.17.3.1 Thermal	M
17.2.17.3.2 Electrical	M
17.2.17.3.3 Chemical	M
17.2.17.4 Puncture wounds	M

17.0 TRAUMATIC DISORDERS (continued) SECTION B

- 17.4 Special Considerations for Pediatric Trauma Victim
 - 17.4.1 Clinical assessment and management
 - 17.4.1.1 Anatomic/physiologic differences from adults M
 - 17.4.1.2 Airway management H
 - 17.4.1.3 Fluid resuscitation H
 - 17.4.1.4 Recognition of child abuse H
 - 17.4.2 Head trauma M
 - 17.4.3 Spinal injuries
 - 17.4.3.1 Spinal cord injury without radiologic abnormality (SCIWORA)..... M
 - 17.4.4 Chest trauma..... M
 - 17.4.5 Abdominal trauma..... H
 - 17.4.6 Burns..... M
 - 17.4.7 Fractures
 - 17.4.7.1 Greenstick..... L
 - 17.4.7.2 Torus..... L
 - 17.4.7.3 Epiphyseal M

18.1 ADMINISTRATIVE ASPECTS OF EMERGENCY MEDICINE SECTION 1

18.1	Academic Emergency Medicine	
18.1.1	Faculty/staff.....	L
18.1.2	Research.....	M
18.1.3	Institutional affiliations.....	L
18.1.4	Teaching/curriculum.....	L
18.1.5	Testing/evaluation.....	L
18.2	Certification and Licensure Requirements	
18.2.1	Allied health licensure.....	L
18.2.2	Continuing medical educations.....	L
18.2.3	Physician licensure.....	L
18.2.4	Specialty and subspecialty certification.....	L
18.3	Information Systems	
18.4	Departmental Administration	
18.4.1	Accreditation.....	L
18.4.2	Billing/reimbursement.....	M
18.4.3	Budgeting.....	L
18.4.4	Cost containment principles.....	L
18.4.5	Equipment and supplies.....	L
18.4.6	Facility design.....	L
18.4.7	Health care financing.....	L
18.4.8	Medical records/documentation.....	H
18.4.9	Personnel management.....	L
18.4.10	Public relations.....	L
18.4.11	Quality improvement.....	H
18.4.12	Staffing requirements.....	L
18.4.13	Policies and procedures.....	M
18.4.14	Nursing practice.....	L
18.4.15	Interdepartmental relations.....	L
18.4.16	Patient flow.....	L
18.4.17	Observation units/clinical decision units.....	M
18.4.18	Infection control.....	M
18.4.19	Security, violence in the emergency department.....	M
18.5	Ethics	
18.5.1	Ethical principles.....	M
18.5.2	Professional relations	
18.5.2.1	Physician-patient.....	M
18.5.2.2	Physician-physician	
18.5.2.2.1	Peer review.....	M
18.5.2.2.2	Impairment.....	M
18.5.2.2.3	Incompetence.....	M
18.5.3	Life-sustaining	
18.5.3.1	Advance directives.....	H
18.5.3.2	Medical decision surrogates.....	H
18.5.4	Academic ethics.....	L
18.6	Hospital Administration	
18.6.1	Departmental interaction.....	L
18.6.2	Governance.....	L
18.6.3	Structure.....	L
18.7	Medical-Legal Aspects	
18.7.1	Consent	
18.7.1.1	Expressed, implied.....	H
18.7.1.2	Informed.....	H

18.2 ADMINISTRATIVE ASPECTS OF EMERGENCY MEDICINE SECTION 2

- 18.7.1.3 Uninformed
 - 18.7.1.3.1 Incompetent patients H
 - 18.7.1.3.2 Minors H
- 18.7.2 Laws
 - 18.7.2.1 Commitment H
 - 18.7.2.2 Drug-related
 - 18.7.2.2.1 Controlled substances L
 - 18.7.2.2.2 Drug abuse L
 - 18.7.2.2.3 Food and Drug Administration regulations L
 - 18.7.2.2.4 Investigational drugs L
 - 18.7.2.3 Good Samaritan laws L
 - 18.7.2.4 Patient transfer regulations/EMTALA H
 - 18.7.2.5 Regulations regarding reportable conditions
 - 18.7.2.5.1 Abuse L
 - 18.7.2.5.2 Assault L
 - 18.7.2.5.3 Communicable disease L
 - 18.7.2.5.4 Seizures/loss of consciousness L
 - 18.7.2.5.5 Deaths
 - 18.7.2.5.5.1 Coroner’s cases L
 - 18.7.2.5.6 Transfusion restrictions L
 - 18.7.2.5.7 Organ donation L
 - 18.7.2.6 Liability
 - 18.7.2.6.1 Duty to treat M
 - 18.7.2.6.2 Duty to third party M
 - 18.7.2.6.3 Intentional torts
 - 18.7.2.6.3.1 Battery M
 - 18.7.2.6.3.2 False imprisonment M
 - 18.7.2.6.4 Insurance M
 - 18.7.2.6.5 Malpractice M
 - 18.7.2.6.6 Negligence M
 - 18.7.2.6.7 Patient-related
 - 18.7.2.6.7.1 Privileged communications M
 - 18.7.2.6.7.2 Research M
 - 18.7.2.6.7.3 Termination of patient care M
 - 18.7.2.6.8 Resuscitation decisions M
 - 18.7.2.6.9 Risk management M
 - 18.7.2.6.10 Testimony M
- 18.7.3 Expert witnesses L
- 18.8 Clinical Pathways M
- 18.9 Medical Staff
 - 18.9.1 Committees L
 - 18.9.2 Credentialing L
 - 18.9.3 Disciplinary policy L
 - 18.9.4 Structure L
- 18.10 Medical Organizations L
- 18.11 Practice Management
 - 18.11.1 Benefits L
 - 18.11.2 Contracts
 - 18.11.2.1 Group L
 - 18.11.2.2 Hospital L
 - 18.11.2.3 Staff L
 - 18.11.2.4 Independent contractor L
 - 18.11.3 Structure L

18.3 ADMINISTRATIVE ASPECTS OF EMERGENCY MEDICINE SECTION 3

18.12 Skills	
18.12.1 Management	L
18.12.2 Negotiations	L
18.12.3 Physician interpersonal skills	
18.12.3.1 Effective patient-physician communication.....	H
18.12.3.1.1 Diversity issues.....	L
18.12.3.2 Hostile encounters/complaints.....	M
18.12.3.3 Grief reactions	M
18.13 Wellness	
18.13.1 Wellness maintenance	M
18.13.2 Stress management	
18.13.2.1 Unique stressors	M
18.13.2.2 Reduction techniques	M
18.13.2.3 Debriefing	M
18.13.3 Shift work	M
18.13.4 Physician impairment	M
18.13.5 Family dynamics	M
18.14 EMS System Organization	
18.14.1 System components	
18.14.1.1 Prehospital personnel.....	M
18.14.1.2 Emergency department personnel	L
18.14.1.3 Transport services	L
18.14.1.4 Lead agency and local organizations	L
18.14.2 Categorization and designation of levels of services.....	L
18.14.3 Specialized care centers.....	L
18.15 EMS System Operation	
18.15.1 Communications system.....	L
18.15.2 Patient care protocols	M
18.15.3 Transport vehicles.....	L
18.15.4 Medical control	
18.15.4.1 Medical director	M
18.15.4.2 Offline and online supervision	M
18.15.5 Governmental controls	
18.15.5.1 Development and implementation of regulations	L
18.15.5.2 Funding.....	L
18.15.5.3 Certification/recertification	L
18.15.6 EMS administration	M
18.15.7 System overload	L
18.15.8 EMS continuous quality improvement	M
18.16 EMS Education	
18.16.1 CPR, first aid, and EMS awareness training.....	L
18.16.2 EMT training	
18.16.2.1 Basic	M
18.16.2.2 Intermediate	M
18.16.2.3 Paramedic.....	M
18.16.3 EMS continuing education/skills maintenance.....	M
18.16.4 Injury prevention and safety.....	L
18.17 Assessment of environmental, biologic, and toxicologic hazards	M

19.0 Disaster Medicine

19.1.1	Definition of disaster	
19.1.1.1	Disaster assessment	L
19.1.1.2	Epidemiology of disasters.....	L
19.1.1.3	Philosophy of disaster management and the incident command system	M
19.1.1.4	Types of disaster/nomenclature	
19.1.1.4.1	Explosions and fires	M
19.1.1.4.2	Mass crowd gathering events.....	M
19.1.1.4.3	Medical response to terrorist incidents (conflict related)	M
19.1.1.4.4	Natural	M
19.1.1.4.5	Transportation disasters.....	M
19.1.1.4.6	Technologic—industrial/HAZMAT	M
19.1.2	Phases of disaster response	
19.1.2.1	Notification	L
19.1.2.2	Search and rescue.....	L
19.1.2.3	Triage.....	M
19.1.2.4	Medical care of disaster victims.....	M
19.1.2.5	Disaster communications.....	L
19.1.2.6	Record keeping.....	L
19.1.2.7	Transportation and evacuation	L
19.1.2.8	Debriefing/critical incident stress debriefing (CISD)	L
19.1.2.9	Recovery.....	L
19.1.3	Disaster medical care	
19.1.3.1	Rapid assessment of emergency health care needs	M
19.1.3.2	Medical care at mass casualties.....	M
19.1.3.3	Disaster specific medical problems	
19.1.3.3.1	Mental health and behavioral consequences	L
19.1.3.3.2	Shock and its treatment in field situations	M
19.1.3.3.3	Toxic-chemical casualties	M
19.1.3.3.4	Radiation exposure casualties	M
19.1.3.3.5	Blast injuries	M
19.1.3.4	Medical supply/equipment management	
19.1.3.4.1	Essential drugs for disasters	L
19.1.3.4.2	Pharmaceutical distribution/control	L
19.1.3.4.3	Role of immunizations	L
19.1.3.4.4	Public health issues after disasters	L
19.1.3.4.5	Nonmedical emergency responders.....	L
19.1.4	Disaster information services	
19.1.4.1	Local/national/international disaster information	L
19.1.4.2	Public relations	L
19.1.4.3	Media coordination	L
19.1.4.4	Legal aspects.....	L
19.1.5	Disaster education	
19.1.5.1	Hospital disaster planning.....	M
19.1.5.2	Disaster drills	M
19.1.5.3	Post-disaster injury prevention and surveillance	M
19.1.6	Disaster medical assistance teams (DMATs)	L
19.1.7	International relief assistance	L
19.2	Research	
19.2.1	Assessment of new methods and procedures	L
19.2.2	Testing of new equipment and technologic advances	L
19.2.3	Data collection/analysis	L

20.1 PROCEDURES/SKILL..... SECTION 1

20.1	Airway Techniques	
20.1.1	Cricothyrotomy	H
20.1.2	Heimlich maneuver	L
20.1.3	Intubation	
20.1.3.1	Rapid sequence	H
20.1.3.2	Difficult/failed airway	H
20.1.4	Mechanical ventilation.....	H
20.1.5	Percutaneous transtracheal ventilation.....	M
20.1.6	Airway adjuncts/rescue devices.....	M
20.2	Anesthesia/Analgesia	
20.2.1	Local.....	H
20.2.2	Regional nerve blocks.....	M
20.2.3	Procedural sedation	H
20.2.4	Pain management.....	M
20.3	Diagnostic Procedures	
20.3.1	Arthrocentesis	M
20.3.2	Cystourethrogram	L
20.3.3	Lumbar puncture	H
20.3.4	Nasogastric intubation	L
20.3.5	Pericardiocentesis.....	M
20.3.6	Peritoneal lavage	L
20.3.7	Ultrasonography	
20.3.7.1	Cardiac	
20.3.7.2	Abdominal	
20.3.7.3	Traumatic	
20.3.7.4	Pelvic	
20.3.7.5	Vascular	
20.3.7.6	Procedural	
20.3.8	Anoscopy	L
20.3.9	Thoracentesis.....	L
20.3.10	Tonometry	M
20.3.11	Slit lamp examination	M
20.3.12	Electrocardiogram interpretation.....	H
20.3.13	Radiographic interpretation.....	H
20.4	Genital/Urinary	
20.4.1	Bladder catheterization	
20.4.1.1	Foley catheters	M
20.4.1.2	Suprapubic catheterization	L
20.4.2	Delivery of newborn	
20.4.2.1	Complicated	L
20.4.2.2	Uncomplicated.....	M
20.4.2.3	Perimortem cesarean section.....	L
20.5	Head and Neck	
20.5.1	Control of epistaxis	
20.5.1.1	Anterior packing.....	M
20.5.1.2	Posterior packing	M
20.5.2	Laryngoscopy.....	L
20.5.3	Nasopharyngeal endoscopy	M
20.6	Hemodynamic Techniques	
20.6.1	Arterial catheter insertion	L
20.6.2	Central venous access	
20.6.2.1	Femoral.....	M
20.6.2.2	Jugular	H
20.6.2.3	Subclavian	M
20.6.2.4	Umbilical	L
20.6.3	Intraosseous infusion	M
20.6.4	Peripheral venous cutdown.....	L
20.6.5	Pulmonary artery catheter insertion	L

20.2 PROCEDURES/SKILLSSECTION 2

20.7	Skeletal Procedures	
20.7.1	Fracture/dislocation immobilization techniques	H
20.7.2	Fracture/dislocation reduction techniques	H
20.7.3	Spine	
20.7.3.1	Cervical traction techniques	L
20.7.3.2	Immobilization techniques	
20.7.3.2.1	Backboard techniques	M
20.8	Thoracic	
20.8.1	Cardiac pacing	
20.8.1.1	Cutaneous	H
20.8.1.2	Transvenous	M
20.8.2	Defibrillation/cardioversion	H
20.8.3	Thoracostomy	H
20.8.4	Thoracotomy	L
20.9	Other Techniques	
20.9.1	End-tidal CO ₂ monitoring	M
20.9.2	Gastric lavage	L
20.9.3	Incision – drainage	M
20.9.4	Intestinal tube insertion	L
20.9.5	Pulse oximetry	H
20.9.6	Tooth replacement re-implantion	L
20.9.7	Wound closure techniques	H
20.9.8	Trephination, nails	M
20.9.9	Peak expiratory flow rate measurement	M
20.9.10	Autotransfusion	L
20.9.11	Excision of thrombosed hemorrhoids	L
20.9.12	Foreign body removal	M
20.10	Laboratory Skills	
20.10.1	Venipuncture	L
20.10.2	Arterial blood gas sampling	M
20.10.3	Microscopy	L
20.10.4	Gram stain preparation/interpretation	L
20.11	Multiple Patient Management	H
20.12	Universal Precautions	H