## 2011 Model of the Clinical Practice of Emergency Medicine

The Core Content Task Force II created and endorsed the 2001 Model of the Clinical Practice of Emergency Medicine (EM Model) as published in the June 2001 Annals of Emergency Medicine and Academic Emergency Medicine.

The 2011 EM Model Review Task Force conducted the fifth review of the EM Model. Their work is built on the original 2001 EM Model and the subsequent four revisions. The 2011 EM Model is published in July 2012 *Academic Emergency Medicine* online only.

All changes that resulted from the 2011 EM Model Review Task Force are summarized in Figure 1.

### Preamble of the Core Content Task Force II, Adapted for the 2011 EM Model

In 1975, the American College of Emergency Physicians and the University Association for Emergency Medicine (now the Society for Academic Emergency Medicine; SAEM) conducted a practice analysis of the emerging field of Emergency Medicine. This work resulted in the development of the Core Content of Emergency Medicine, a listing of common conditions, symptoms, and diseases seen and evaluated in emergency departments. The Core Content listing was subsequently revised four times, expanding from 5 to 20 pages. However, none of these revisions had the benefit of empirical analysis of the developing specialty but relied solely upon expert opinion.

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## 2005 EM Model Review Task Force

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Following the completion of its mission, the Core Content Task Force recommended commissioning another task force that would be charged with the oversight of a practice analysis of the specialty - Core Content Task Force II.

The practice analysis relied upon both empirical data and the advice of several expert panels and resulted in *The Model of the Clinical Practice of Emergency Medicine* (EM Model). The EM Model resulted from the need for a more integrated and representative presentation of the Core Content of Emergency Medicine. It was created through the collaboration of six organizations:

- American Board of Emergency Medicine (ABEM)
- American College of Emergency Physicians (ACEP)
- Council of Emergency Medicine Residency Directors (CORD)
- Emergency Medicine Residents' Association (EMRA)
- Residency Review Committee for Emergency Medicine (RRC-EM)
- Society for Academic Emergency Medicine (SAEM)

As requested by Core Content Task Force II, the six collaborating organizations reviewed the 2001 EM Model in 2002-2003 and developed a small list of proposed changes to the document. The changes were reviewed and considered by 10 representatives from the organizations, i.e., the 2003 EM Model Review Task Force. The Task Force's recommendations were approved by the collaborating organizations and were incorporated into the EM Model. The work of the Task Force was published in the June 2005 *Annals of Emergency Medicine* and *Academic Emergency Medicine*.

The six collaborating organizations reviewed the 2002-2003 EM Model in 2005 and developed a small list of proposed changes to the document. The changes were reviewed and considered by nine representatives from the organizations, i.e., the 2005 EM Model Review Task Force. The Task Force's recommendations were approved by the collaborating organizations and were incorporated into the EM Model. The work of the Task Force was published in the October 2006 *Academic Emergency Medicine* and December 2006 *Annals of Emergency Medicine*.

The next regular review of the EM Model occurred in 2007. The 2007 EM Model Review Task Force recommendations were approved by the collaborating organizations and were incorporated into the EM Model. The work of the Task Force was published in the August 2008 *Academic Emergency Medicine* and online-only in the August 2008 *Annals of Emergency Medicine*.

The fourth review of the EM Model occurred in 2009. The 2009 EM Model Review Task Force recommendations were approved by the collaborating organizations and were incorporated into the EM Model. The work of the Task Force was published in the January 2011 *Academic Emergency Medicine* and online-only in *Annals of Emergency Medicine*.

The fifth review of the EM Model occurred in 2011. The 2011 EM Model Review Task Force recommendations approved by the collaborating organizations and are incorporated into this document.

There are three components to the EM Model: 1) an assessment of patient acuity; 2) a description of the tasks that must be performed to provide appropriate emergency medical care; and 3) a listing of medical knowledge, patient care, and procedural skills. Together these three components describe the clinical practice of Emergency Medicine (EM) and differentiate it from the clinical practice of other specialties. The EM Model represents essential information and skills necessary for the clinical practice of EM by board-certified emergency physicians.

Patients often present to the emergency department with signs and symptoms rather than a known disease or disorder. Therefore, an emergency physician's approach to patient care begins with the recognition of patterns in the patient's presentation that point to a specific diagnosis or diagnoses. Pattern recognition is both the hallmark and cornerstone of the clinical practice of EM, guiding the diagnostic tests and therapeutic interventions during the entire patient encounter.

The Accreditation Council for Graduate Medical Education (ACGME) is implementing the ACGME Outcome Project to assure that physicians are appropriately trained in the knowledge and skills of their specialties. The ACGME derived six general (core) competencies thought to be essential for any practicing physician: patient care, medical knowledge, practice-based learning and improvement, interpersonal and communication skills, professionalism, and systems-based practice. The six general competencies are an integral part of the practice of Emergency Medicine and are embedded into the EM Model. To incorporate these competencies into the specialty of EM, an Emergency Medicine Competency Task Force demonstrated how these competencies are integrated into the EM Model. The 2011 revisions provide further alignment between the EM Model and the ACGME six core competencies.

The EM Model is designed for use as the core document for the specialty. It will provide the foundation for developing future medical school and residency curricula, certification examination specifications, continuing education objectives, research agendas, residency program review requirements, and other documents necessary for the functional operation of the specialty. In conjunction with the EM Model, these six core competencies construct a framework for evaluation of physician performance and curriculum design to further refine and improve the education and training of competent emergency physicians.

<sup>&</sup>lt;sup>1</sup> Accreditation Council for Graduate Medical Education (ACGME). ACGME Core Competencies. (ACGME Outcome Project Website). Available at <a href="http://www.acgme.org/outcome/comp/compCPRL.asp">http://www.acgme.org/outcome/comp/compCPRL.asp</a>

<sup>&</sup>lt;sup>2</sup> Chapman DM, Hayden S, Sanders AB, et al. Integrating the Accreditation Council for Graduate Medical Education core competencies into The Model of the Clinical Practice of Emergency Medicine. Ann Emerg Med. 2004;43:756-769, and Acad Emerg Med. 2004;11:674-685.

### Figure 1

### **Summary of 2011 EM Model Review Task Force Changes**

Listed below are the changes approved by the six collaborating organizations.

### Changes to Table 1. Matrix of physician tasks by patient acuity

The physician task of Consultation and disposition was separated into two separate physician tasks.

The physician task of Multi-tasking and team management was separated into two separate physician tasks, Multiple patient care and Team management.

### Changes to Table 3. Physician task definitions

The physician task of Consultation and disposition was separated into the following two physician tasks:

Consultation: Collaborate with physicians and other professionals to help guide optimal

management of patients.

Disposition: Arrange for patient admission, discharge (including follow-up plan), observation,

or transfer as appropriate, and communicate these arrangements effectively

with patients, family, and involved healthcare team members.

The physician task of Multi-tasking and team management was separated into the following two physician tasks:

Multiple patient care: Prioritize and implement the evaluation and management of multiple

patients in the emergency department, including handling interruptions

and task-switching, in order to provide optimal patient care.

Team management: Coordinate, educate, or supervise members of the patient management

team; utilize appropriate hospital resources; have familiarity with disaster

management.

# <u>Changes to Table 4. Medical Knowledge, Patient Care, and Procedural Skills (formerly Listing of Conditions and Components)</u>

Location	Description of Change
	The title of Listing of Conditions and Components was changed to Medical Knowledge, Patient Care, and Procedural Skills
1.1.40	Added Mechanical and In-dwelling Devices, Complications (Critical, Emergent, Lower)
2.9.2.1	Changed Acute appendicitis to Appendicitis

3.2	Added Critical, Emergent, Lower
3.2.1	Deleted Disorders due to anatomic anomalies
3.2.2	Deleted Genetically transmitted diseases
4.6.3	Moved Sebaceous cyst from 4.3.5
4.7.5	Added Bullous pemphigoid (Emergent, Lower)
5.3.3	Changed Hyperkalemia/Hypokalemia to Potassium metabolism
5.3.4	Changed Hypernatremia/Hyponatremia to Sodium metabolism
5.5.2	Deleted Vitamin excess
7.2.2.4	Added Hypopyon (Emergent)
9.2	Deleted HIV and Manifestations
9.4	Added Immune Complex Disorders (Emergent)
9.4.1	Moved Kawasaki syndrome from 9.4
9.4.2	Moved Rheumatic fever from 9.7
9.4.3	Moved Sarcoidosis from 9.5
9.4.4	Added Post-streptococcal glomerulonephritis (Emergent)
10.1.3	Changed Gonococcal infections to Gonococcus
10.1.4	Changed Meningococcemia to Meningococcus
10.1.5	Changed Mycobacterial infections to Mycobacterium
10.2	Changed Biologic Weapons and Pandemics to Biological Warfare Agents
10.6.6	Changed HIV (See 9.2) to HIV/AIDS
10.7	Changed Emerging Infections and Drug Resistance to Emerging Infections,
	Pandemics, and Drug Resistance
11.3.1.2	Changed Gout to Crystal arthropathies
12.11	Changed Stroke to Stroke (Cerebral Vascular Events)
13.1.4.2	Deleted Hyperstimulation
13.3.6	Changed Hypertension complicating pregnancy to Pregnancy-induced
	hypertension
13.3.9	Added First trimester bleeding (Critical, Emergent, Lower)
16.1.1.3	Changed Pertussis/Whooping cough to Pertussis
16.2.7	Added Empyema (Emergent, Lower)
16.7.2.2	Deleted Atypical
16.7.2.3	Deleted Bacterial
16.7.2.4	Deleted Chlamydia
16.7.2.5	Deleted Fungal
16.7.2.6	Deleted Mycoplasmal
16.7.2.7	Deleted Viral
16.7.2.2	Added Community-acquired (Critical, Emergent, Lower)
16.7.2.3	Added Health care-associated (Critical, Emergent, Lower)
16.8.2	Deleted Chest wall
16.9	Added Pulmonary Hypertension (Critical, Emergent, Lower)
17.1.39	Added Nutritional supplements (Emergent, Lower)
17.1.40	Added Chemical warfare agents (Critical, Emergent, Lower)
17.1.40	Added Chemical warrare agents (Chilical, Emergent, Lower)

### Changes to Appendix 1 and Appendix 2

Appendix 1, Procedures and Skills Integral to the Practice of EM and Appendix 2, Other Components and Core Competencies of the Practice of Emergency Medicine were subsumed into the main body of the document and added to Medical Knowledge, Patient Care, and Procedural Skills (formerly Listing of Conditions and Components) as categories 19 and 20,

respectively. Both of these sections underwent extensive revision and reordering making the revisions to these two categories too complex to document using the format above. Categories 19 and 20 in this document reflect all changes to the 2009 Model resulting from the 2011 review. The 2009 version of Appendix 1 and 2 may be found at *Ann Emerg Med. 2011;57:e1-e15*.

#### **OVERVIEW**

There are multiple components of "The Model of the Clinical Practice of Emergency Medicine." The components of the EM Model are given in two complementary documents: 1) the Matrix; and 2) a listing of Medical Knowledge, Patient Care, and Procedural Skills.

The EM Model is a three-dimensional description of EM clinical practice. The three dimensions are patient acuity, physician tasks, and the listing of medical knowledge, patient care, and procedural skills. All of these dimensions are interrelated and employed concurrently by a physician when providing patient care. The EM physician's initial approach is determined by the acuity of the patient's presentation. While assessing the patient, the physician completes a series of tasks collecting information. Through this process, the physician is able to select the most likely etiology of the patient's problem from the listing of medical knowledge, patient care, and procedural skills. Through continued application of all three components, the physician is able to arrive at the most probable diagnosis and subsequently implement a treatment plan for the patient. Hence, the three dimensions of the EM Model are interrelated and applied concurrently in the practice of EM.

### **Physician Tasks**

The physician tasks include the range of activities and the dynamic nature of the practice of EM (Table 3). Emergency physicians simultaneously consider multiple factors involved in patient care that may alter the direction of patient management. For example, the approach to the patient can change dramatically when considering a pediatric versus a geriatric presentation of the same complaint, i.e., modifying factors. The physician tasks apply to patients of all ages. Although there are no separate sections on the care of pediatric or geriatric patients, users of the document should consider including pediatric and geriatric aspects of patient care related to each task. When considered together, these tasks are directly related to the six broad competencies expected of board-certified emergency physicians.

### **Patient Acuity**

An emergency physician's frame of reference in a patient encounter is fundamentally related to the actual, apparent, or potential acuity of the patient's condition. Establishing the acuity level is essential for defining the context for action, the priorities of the patient encounter, and consequently, the order of tasks necessary to manage the patient successfully. In the EM Model, patient acuity includes critical, emergent, and lower acuity (Table 2).

#### Matrix of Physician Tasks by Patient Acuity

The Matrix is organized along two principal dimensions: Patient Acuity and Physician Tasks (Table 1). The Matrix represents all possible physician-patient interactions that are determined by patient acuity and the tasks that may be performed during a patient encounter. Patient acuity is fundamental in determining the priority and sequence of tasks necessary to successfully manage the presenting patient. The Matrix represents how an emergency physician modifies the tasks necessary to perform appropriate patient care based on the patient acuity.

Following is a concise example of how patient acuity and physician tasks can be applied to patients presenting with the same complaint of chest pain:

1. A 55-year old hypertensive diabetic male with crushing chest pain, diaphoresis, and a blood pressure of 60 systolic who is clutching his chest.

Acuity Frame: Critical

Implications: Immediate intervention is necessary to manage and stabilize vital functions.

High probability of mortality exists without immediate intervention.

2. A 74-year old female with a history of angina presenting with three-to-five minutes of dull chest pain typical of her angina. She has stable vital signs and her pain is relieved by nitroglycerin.

Acuity Frame: Emergent

Implications: Initiation of monitoring, vascular access, evaluation, and treatment must be

performed quickly. Progression in severity, complications, or morbidity may

occur without immediate treatment.

3. A 12-year old female with non-traumatic sharp chest pain lasting for several days that intensifies with movement of the torso.

Acuity Frame: Lower acuity

Implications: Patient's symptoms should be addressed promptly. However, progression to

major complications would be unlikely.

Table 1.

Matrix of physician tasks by patient acuity

	Patient Acuity			
Physician Tasks	Critical	Emergent	Lower Acuity	
Prehospital care Emergency stabilization Performance of focused history and physical examination Modifying factors Professional issues Diagnostic studies Diagnosis Therapeutic interventions Pharmacotherapy Observation and reassessment Consultation Disposition Prevention and education Documentation Multiple patient care Team management				

**Table 2.** Patient acuity definitions

Critical	Emergent	Lower Acuity
Patient presents with signs or symptoms of a life-threatening illness or injury with a high probability of mortality if immediate intervention is not begun to prevent further airway, respiratory, hemodynamic, and/or neurologic instability.	Patient presents with signs or symptoms of an illness or injury that may progress in severity or result in complications with a high probability for morbidity if treatment is not begun quickly.	Patient presents with signs or symptoms of an illness or injury that have a low probability of rapid progression to more serious disease or development of complications.

**Table 3.** Physician task definitions

Participate actively in prehospital care; provide direct patient care or on-line or off-line medical direction or interact with prehospital medical providers; assimilate information from prehospital care into the assessment and management of the patient.
Conduct primary assessment and take appropriate steps to stabilize and treat patients.
Communicate effectively to interpret and evaluate the patient's symptoms and history; identify pertinent risk factors in the patient's history; provide a focused evaluation; interpret the patient's appearance, vital signs and condition; recognize pertinent physical findings; perform techniques required for conducting the exam.
Recognize age, gender, ethnicity, barriers to communication, socioeconomic status, underlying disease, and other factors that may affect patient management.
Understand and apply principles of professionalism, ethics, and legal concepts pertinent to patient management.
Select and perform the most appropriate diagnostic studies and interpret the results, e.g., electrocardiogram, emergency ultrasound, and laboratory tests.
Develop a differential diagnosis and establish the most likely diagnoses in light of the history, physical, interventions, and test results.
Perform procedures and non-pharmacologic therapies, and counsel.
Select appropriate pharmacotherapy, recognize pharmacokinetic properties, and anticipate drug interactions and adverse effects.
Evaluate and re-evaluate the effectiveness of a patient's treatment or therapy, including addressing complications and potential errors; monitor, observe, manage, and maintain the stability of one or more patients who are at different stages in their work-ups.
Collaborate with physicians and other professionals to help guide optimal management of patients.
Arrange for patient admission, discharge (including follow-up plan), observation, or transfer as appropriate, and communicate these arrangements effectively to patients, family, and involved healthcare team members.
Apply epidemiologic information to patients at risk; conduct patient education; select appropriate disease and injury prevention techniques.
Communicate patient care information in a concise manner that facilitates quality care and coding.
Prioritize and implement the evaluation and management of multiple patients in the emergency department, including handling interruptions and task-switching, in order to provide optimal patient care.
Coordinate, educate, or supervise members of the patient management team; utilize appropriate hospital resources; have familiarity with disaster management.

#### MEDICAL KNOWLEDGE, PATIENT CARE, AND PROCEDURAL SKILLS

As originally developed, the third dimension of the EM Model was called the Listing of Conditions and Components. The listing contained the fundamental conditions for which patients presented to emergency departments, and was based on data collected by the National Center for Health Statistics at the Centers for Disease Control and Prevention (CDC) during 1995-1996. The CDC data were collected from 40,000 emergency department records statistically representative of 90.3 million emergency department visits in metropolitan and non-metropolitan short-stay or general hospitals in all 50 states and the District of Columbia. Frequency of occurrence was a primary factor in determining inclusion in the Listing of Conditions and Components. Frequency of occurrence, however, was not the sole determinant of inclusion, nor was the number of entries pertaining to a single topic representative of importance. The final list was developed by several expert panels of practicing emergency physicians based on three factors: 1) frequency of occurrence; 2) critical nature of patient presentation; and 3) other components of EM practice.

The Listing of Conditions and Components also contained two appendices. Appendix 1 outlined the diagnostic and/or therapeutic procedures and tests considered essential to the clinical practice of Emergency Medicine. Appendix 2 listed the other essential components and core competencies of EM practice.

With each biennial Task Force review, the Listing of Conditions and Components has evolved to maintain consistency with the current clinical practice of EM. In 2011, it was determined that the contents of the two appendices represented core components of EM knowledge, which, when combined with the Listing of Conditions and Components, encompassed the universe of knowledge that all practicing emergency physicians should possess. Consequently, the appendices were incorporated into the body of the document and the entire section was renamed to Medical Knowledge, Patient Care, and Procedural Skills (Table 4). This change strengthened the inherent link between the EM Model and the ACGME six core competencies.

**NOTE:** The listing of Medical Knowledge, Patient Care, and Procedural Skills is not intended to be comprehensive. It is intended to be representative of the most frequent conditions seen, those with the most serious implications for patients presenting to the emergency department, and the core knowledge and skills required to provide safe and effective patient care.

**Table 4.** Medical knowledge, patient care, and procedural skills

### 1.0 SIGNS, SYMPTOMS, AND PRESENTATIONS

			Critical	Emergent	Lower Acuity
1.1 Genera					
	1.1.1	Altered mental status	X	X	
	1.1.2	Anxiety			X
	1.1.3	Apnea	X		
	1.1.4	Ataxia		X	X
	1.1.5	Back pain	X	X	X
	1.1.6	Bleeding	X	X	X
	1.1.7	Coma	X		
	1.1.8	Confusion		X	
	1.1.9	Crying/Fussiness		X	X
	1.1.10	Cyanosis	X		
	1.1.11	Decreased level of consciousness	X	X	
	1.1.12	Dehydration	X	X	
	1.1.13	Dizziness		X	X
	1.1.14	Edema		X	X
	1.1.15	Failure to thrive		X	X
	1.1.16	Fatigue		X	X
	1.1.17	Feeding problems			X
	1.1.18	Fever	X	X	X
	1.1.19	Hypotension	X	X	
	1.1.20	Jaundice		X	
	1.1.21	Joint pain/Swelling		X	X
	1.1.22	Limp		X	X
	1.1.23	Lymphadenopathy			X
	1.1.24	Malaise		X	X
	1.1.25	Multiple trauma	X	X	
	1.1.26	Needle stick		X	X
	1.1.27	Pain	X	X	X
	1.1.28	Paralysis	X	X	
	1.1.29	Paresthesia/Dysesthesia		X	X
	1.1.30	Poisoning	X	X	X
	1.1.31	Pruritus		X	X
	1.1.32	Rash	X	X	X
	1.1.33	Shock	X		
	1.1.34	SIDS (See 3.1.1)	X		
	1.1.35	Sleeping problems			X
	1.1.36	Syncope	X	X	X
	1.1.37	Tremor		X	X
	1.1.38	Weakness		X	X
	1.1.39	Weight loss		X	X
	1.1.40	Mechanical and In-dwelling Devices,			
		Complications	X	X	X
		r 3440410			

1.2	Abdom	inal			
	1.2.1	Abnormal vaginal bleeding	X	X	X
	1.2.2	Anuria		X	
	1.2.3	Ascites		X	X
	1.2.4	Colic		X	X
	1.2.5	Constipation			X
	1.2.6	Cramps		X	X
	1.2.7	Diarrhea		X	X
	1.2.8	Dysmenorrhea			X
	1.2.9	Dysuria			X
	1.2.10	Hematemesis	X	X	
	1.2.11	Hematochezia	X	X	X
	1.2.12	Hematuria		X	X
	1.2.13	Nausea/Vomiting		X	X
	1.2.14	Pain	X	X	X
	1.2.15	Pelvic pain	X	X	X
	1.2.16	Peritonitis	X	X	
	1.2.17	Rectal bleeding	X	X	X
	1.2.18	Rectal pain		X	X
	1.2.19	Urinary incontinence			X
	1.2.20	Urinary retention		X	
1.3	Chest				
- 10	1.3.1	Chest pain	X	X	X
	1.3.2	Cough		X	X
	1.3.3	Dyspnea	X	X	
	1.3.4	Hemoptysis	X	X	
	1.3.5	Hiccup			X
	1.3.6	Palpitations	X	X	X
	1.3.7	Shortness of breath	X	X	
	1.3.8	Tachycardia	X	X	
	1.3.9	Wheezing	X	X	
1.4	Head ar	nd Neck			
1.7	1.4.1	Congestion			X
	1.4.2	Diplopia		X	71
	1.4.3	Dysphagia		X	X
	1.4.4	Eye pain		X	X
	1.4.5	Headache (See 12.3)	X	X	X
	1.4.6	Loss of hearing	71	71	X
	1.4.7	Loss of vision		X	7.1
	1.4.8	Rhinorrhea		71	X
	1.4.9	Sore throat		X	X
	1.4.10	Stridor	X	X	21
	1.4.11	Tinnitus	11	4.1	X
	1.4.12	Vertigo		X	X
		. 0		_	

## $2.0 \quad \textbf{ABDOMINAL AND GASTROINTESTINAL DISORDERS}$

				Critical	Emergent	Lower Acuity
2.1		inal Wall				
	2.1.1	Hernias			X	X
2.2	Egonbo					
2.2	Esopha 2.2.1	gus Infectious	disorders			
	2.2.1	2.2.1.1	Candida (See 4.4.2.1, 7.5.7)		X	X
	2.2.2		cory disorders		Λ	Λ
	2.2.2	2.2.2.1	Esophagitis		X	X
		2.2.2.2	Gastroesophageal reflux (GEI	SD)	Λ	X
		2.2.2.3	Toxic effects of caustic (See 1			71
		2.2.2.3	2.2.2.3.1 Acid	X	X	
			2.2.2.3.1 Alkali	X	X	
	2.2.3	Motor abn		21	71	
	2.2.3	2.2.3.1	Spasms			X
	2.2.4	Structural	•			71
	2.2.1	2.2.4.1	Boerhaave's syndrome	X	X	
		2.2.4.2	Diverticula	11	X	X
		2.2.4.3	Foreign body		X	71
		2.2.4.4	Hernias		X	X
		2.2.4.5	Mallory-Weiss syndrome	X	X	71
		2.2.4.6	Stricture and stenosis		X	X
		2.2.4.7	Tracheoesophageal fistula	X	X	
		2.2.4.8	Varices	X	X	
	2.2.5	Tumors	v unices	11	X	X
	_,_,	1 0111015				
2.3	Liver					
	2.3.1	Cirrhosis			X	X
		2.3.1.1	Alcoholic		X	X
		2.3.1.2	Biliary obstructive		X	
		2.3.1.3	Drug-induced		X	X
	2.3.2	Hepatoren	al failure	X	X	
	2.3.3	Infectious	disorders		X	X
		2.3.3.1	Abscess		X	
		2.3.3.2	Hepatitis			
			2.3.3.2.1 Acute		X	X
			2.3.3.2.2 Chronic			X
	2.3.4	Tumors			X	X
2.4	Gall Rla	ndder and R	Siliary Tract			
۷.⊤	2.4.1	Cholangiti		X	X	
	2.4.2	Cholecyst		71	X	
	2.4.3		asis/Choledocholithiasis		X	X
	2.4.4	Tumors	asis, choice of the financial		X	X
	2	1 6111010			21	71
2.5	Pancrea			**	₹7	
	2.5.1	Pancreatit	18	X	X	37
	2.5.2	Tumors			X	X

2.6	Peritone 2.6.1		us bacterial peritonitis	X	X	
2.7	Stomach	l				
	2.7.1	Infectious	disorders			X
	2.7.2	Inflammato	ory disorders			
		2.7.2.1	Gastritis		X	X
	2.7.3	Peptic ulce	er disease		X	X
		2.7.3.1	Hemorrhage	X	X	
		2.7.3.2	Perforation	X	X	
	2.7.4	Structural of	disorders			
		2.7.4.1	Congenital hypertrophic pyloric			
			stenosis		X	
		2.7.4.2	Foreign body		X	X
	2.7.5	Tumors			X	X
2.8	Small Bo	owel				
	2.8.1	Infectious	disorders		X	X
	2.8.2	Inflammato	ory disorders			
		2.8.2.1	Regional enteritis/Crohn's disease		X	X
	2.8.3	Motor abno				
		2.8.3.1	Obstruction		X	
		2.8.3.2	Paralytic ileus		X	
	2.8.4	Structural of	disorders			
		2.8.4.1	Aortoenteric fistula	X		
		2.8.4.2	Congenital anomalies		X	X
		2.8.4.3	Intestinal malabsorption		X	X
		2.8.4.4	Meckel's diverticulum		X	X
	2.8.5	Tumors			X	X
	2.8.6	Vascular in	nsufficiency	X	X	
2.9	Large B	owel				
	2.9.1	Infectious of	disorders			
		2.9.1.1	Antibiotic-associated		X	
		2.9.1.2	Bacterial		X	X
		2.9.1.3	Parasitic		X	X
		2.9.1.4	Viral		X	X
	2.9.2	Inflammato	ory disorders			
		2.9.2.1	Appendicitis		X	
		2.9.2.2	Necrotizing enterocolitis (NEC)	X	X	
		2.9.2.3	Radiation colitis		X	
		2.9.2.4	Ulcerative colitis		X	X
	2.9.3	Motor abno				
		2.9.3.1	Hirschsprung's disease		X	X
		2.9.3.2	Irritable bowel		_	X
		2.9.3.3	Obstruction		X	
	2.9.4	Structural o				
		2.9.4.1	Congenital anomalies		X	X
		2.9.4.2	Diverticula	***	X	X
		2.9.4.3	Intussusception	X	X	

	2.9.5	2.9.4.4 Tumors	Volvulus	X	X X	X
2.10	Rectum	and Anus				
	2.10.1	Infectious	disorders			
		2.10.1.1	Perianal/Anal abscess		X	X
		2.10.1.2	Perirectal abscess		X	
		2.10.1.3	Pilonidal cyst and abscess		X	X
	2.10.2	Inflammat	ory disorders			
		2.10.2.1	Proctitis			X
	2.10.3	Structural	disorders			
		2.10.3.1	Anal fissure			X
		2.10.3.2	Anal fistula		X	X
		2.10.3.3	Congenital anomalies			X
		2.10.3.4	Foreign body		X	X
		2.10.3.5	Hemorrhoids			X
		2.10.3.6	Rectal prolapse		X	
	2.10.4	Tumors			X	X
2.11	Spleen			X	X	X

### 3.0 CARDIOVASCULAR DISORDERS

			Critical	Emergent	Lower Acuity
3.1	Cardiop 3.1.1	ulmonary Arrest SIDS (See 1.1.34)	X X		
3.2	Congeni System	tal Abnormalities of the Cardiovascular	X	X	X
3.3	Disorder 3.3.1	rs of Circulation Arterial			
	3.3.1	3.3.1.1 Aneurysm	X	X	X
		3.3.1.2 Antic dissection	X	Α	Α
		3.3.1.3 Thromboembolism	X	X	
	3.3.2	Venous	21	71	
	3.3.2	3.3.2.1 Thromboembolism (See 16.6.2)	X	X	
3.4	Disturba	nnces of Cardiac Rhythm			
	3.4.1	Cardiac dysrhythmias	X	X	X
		3.4.1.1 Ventricular	X	X	
		3.4.1.2 Supraventricular	X	X	X
	3.4.2	Conduction disorders	X	X	X
3.5	Diseases	of the Myocardium, Acquired			
	3.5.1	Cardiac failure	X	X	
		3.5.1.1 Cor pulmonale	X	X	
		3.5.1.2 High output	X	X	
		3.5.1.3 Low output	X	X	
	3.5.2	Cardiomyopathy	X	X	X
		3.5.2.1 Hypertrophic	X	X	X
	3.5.3	Congestive heart failure	X	X	
	3.5.4	Coronary syndromes	X	X	
	3.5.5	Ischemic heart disease	X	X	
	3.5.6	Myocardial infarction	X	X	
	3.5.7	Myocarditis	X	X	X
	3.5.8	Ventricular aneurysm	X	X	X
3.6		of the Pericardium			
	3.6.1	Pericardial tamponade (See 18.1.2.6)	X	X	
	3.6.2	Pericarditis		X	X
3.7	Endocarditis		X	X	
3.8	Hyperte	nsion	X	X	X
3.9	Tumors		X	X	
3.10	Valvula	Disorders	X	X	X

## 4.0 **CUTANEOUS DISORDERS**

				Critical	Emergent	Lower Acuity
4.1	Cancers	s of the Skin				
	4.1.1	Basal cell				X
	4.1.2	Kaposi's sa	nrcoma			X
	4.1.3	Melanoma				X
	4.1.4	Squamous	cell			X
4.2	Decubit	us Ulcer			X	X
4.3	Dermat	<b>:4:</b> a				
4.3	4.3.1	Atopic				X
	4.3.2	Contact				X
	4.3.3	Eczema				X
	4.3.4	Psoriasis				X
	4.3.5	Seborrhea				X
		20001111011				
4.4	Infection					
	4.4.1	Bacterial				
		4.4.1.1	Abscess		X	X
		4.4.1.2	Cellulitis		X	X
		4.4.1.3	Erysipelas		X	
		4.4.1.4	Impetigo			X
		4.4.1.5	Necrotizing infection	X	X	
	4.4.2	Fungal				
		4.4.2.1	Candida (See 2.2.1.1, 7.5.7)			X
		4.4.2.2	Tinea			X
	4.4.3	Parasitic				
		4.4.3.1	Pediculosis infestation			X
		4.4.3.2	Scabies			X
	4.4.4	Viral				
		4.4.4.1	Aphthous ulcers			X
		4.4.4.2	Erythema infectiosum			X
		4.4.4.3	Herpes simplex (See 10.6.4, 13	3.1.3.1)		X
		4.4.4.4	Herpes zoster (See 10.6.5)		X	X
		4.4.4.5	Human papillomavirus (HPV)	(See 13.1.3.2)		X
		4.4.4.6	Molluscum contagiosum			X
		4.4.4.7	Warts			X
4.5	Maculo	papular Les	ions			
	4.5.1	Erythema i	multiforme		X	X
	4.5.2	Erythema ı	nodosum			X
	4.5.3	Henoch-Sc	chönlein purpura (HSP)		X	
	4.5.4	Pityriasis r	osea			X
	4.5.5	Purpura			X	X
	4.5.6	Urticaria			X	X
4.6	Panular	:/Nodular Le	esions			
	4.6.1		ma/Lymphangioma			X
			7F			* <del>*</del>

Mod	Model of the Clinical Practice of Emergency Medicine				
	4.6.2 4.6.3	Lipoma Sebaceous cyst			X X
4.7	Vesicula 4.7.1 4.7.2 4.7.3 4.7.4 4.7.5	Ar/Bullous Lesions Pemphigus Staphylococcal scalded skin syndrome Stevens-Johnson syndrome Toxic epidermal necrolysis Bullous pemphigoid	X X X	X X X X	X

## 5.0 ENDOCRINE, METABOLIC, AND NUTRITIONAL DISORDERS

					Critical	Emergent	Lower Acuity
5.1	Acid-ba	se Distur				_	•
	5.1.1		lic or respirat	tory			
		5.1.1.1	Acidosis		X	X	
		5.1.1.2	Alkalosis		X	X	X
	5.1.2	Mixed a	cid-base bala	ance disorder	X	X	
5.2	Adrena	l Disease					
	5.2.1		adrenal insuf		X	X	
	5.2.2	Cushing	s's syndrome			X	X
5.3			olyte Disturk				
	5.3.1	Calcium	n metabolism		X	X	X
	5.3.2	Fluid ov	erload/Volu	me depletion	X	X	
	5.3.3		ım metabolis	m	X	X	X
	5.3.4	Sodium	metabolism		X	X	X
	5.3.5	Magnesi	ium metabol	ism		X	X
	5.3.6	Phospho	orus metaboli	ism		X	X
5.4	Glucose	Metaboli	ism				
	5.4.1	Diabetes	s mellitus				
		5.4.1.1	Type I		X	X	X
		5.4.1.2	Type II			X	X
		5.4.1.3	Complicat	ions in glucose metabol	ism		
			5.4.1.3.1	Diabetic ketoacidosis (DKA)	X	X	
			5.4.1.3.2	Hyperglycemia		X	X
			5.4.1.3.3	Hyperosmolar coma	X	X	
			5.4.1.3.4	Hypoglycemia	X	X	
			5.4.1.3.5	Systemic		X	X
5.5	Nutritio	nal Disor	ders				
	5.5.1	Vitamin	deficiencies				X
	5.5.2	Wernick	ke-Korsakoff	syndrome		X	
5.6	Parathy	roid Dise	ase			X	X
5.7	Pituitar	y Disorde	ers			X	X
	5.7.1	Panhypo	opituitarism			X	
5.8	Thyroid	l Disorder	:s				
	5.8.1		yroidism		X	X	X
	5.8.2		yroidism		X	X	X
	5.8.3	Thyroid				X	X
5.9	Tumors	of Endoc	rine Glands	<b>S</b>			
	5.9.1	Adrenal				X	X
	5.9.2	Pituitary	7			X	X

5.9.3 Thyroid

X

X

### 6.0 ENVIRONMENTAL DISORDERS

				Critical	Emergent	Lower Acuity
6.1			omation (See 18.1.3.2)			
	6.1.1	Arthrope			X	X
		6.1.1.1	Insects		**	X
	(10	6.1.1.2	Spiders		X	X
	6.1.2	Mamma		V	X	X
	6.1.3		organisms (See 17.1.28)	X	X	X
	6.1.4	Snakes		X	X	X
6.2	Dysbar	ism				
	6.2.1	Air emb	olism	X	X	
	6.2.2	Barotrau	ıma	X	X	X
	6.2.3	Decomp	ression syndrome	X	X	
6.3	Electric	cal Injury	(See 18.1.3.3.1)	X	X	X
	6.3.1	Lightnin		X	X	
6.4	High-al	ltitude Illn	ess			
0.1	6.4.1		ountain sickness		X	X
	6.4.2		ima of ascent		X	X
	6.4.3		itude cerebral edema	X	X	
	6.4.4	_	itude pulmonary edema	X	X	
6.5	Subme	rsion Incid	lents			
	6.5.1		ter immersion	X	X	
	6.5.2	Near dro	owning	X	X	
6.6	Tempe	rature-rela	ated Illness			
	6.6.1	Heat				
		6.6.1.1	Heat exhaustion		X	X
		6.6.1.2	Heat stroke	X		
	6.6.2	Cold				
		6.6.2.1	Frostbite		X	X
		6.6.2.2	Hypothermia	X	X	
6.7	Radiati	on Emerg	encies	X	X	X

## 7.0 **HEAD, EAR, EYE, NOSE, THROAT DISORDERS**

7.1	170	Critical	Emergent	Lower Acuity
7.1	<b>Ear</b> 7.1.1	Foreign body	X	X
	7.1.1	7.1.1.1 Impacted cerumen	Λ	X
	7.1.2	Labyrinthitis		X
	7.1.3	Mastoiditis	X	
	7.1.4	Ménière's disease		X
	7.1.5	Otitis externa		X
		7.1.5.1 Infective		X
		7.1.5.1.1 Malignant	X	
	7.1.6	Otitis media	X	X
	7.1.7	Perforated tympanic membrane (See 18.1.11.2)		X
7.2	<b>Eye</b> 7.2.1	External ava		
	7.2.1	External eye 7.2.1.1 Blepharitis		X
		7.2.1.1 Biepharitis 7.2.1.2 Burn confined to eye and adnexa (See 18.1.10.2)	X	Λ
		7.2.1.3 Conjunctivitis	2.	X
		7.2.1.4 Corneal abrasions (See 18.1.10.1)	X	X
		7.2.1.5 Dacryocystitis	X	X
		7.2.1.6 Disorders of lacrimal system		X
		7.2.1.7 Foreign body	X	X
		7.2.1.8 Inflammation of the eyelids		X
		7.2.1.8.1 Chalazion		X
		7.2.1.8.2 Hordeolum		X
	7.00	7.2.1.9 Keratitis	X	X
	7.2.2	Anterior pole	37	v
		7.2.2.1 Glaucoma 7.2.2.2 Hyphema (See 18.1.10.5)	X X	X X
		7.2.2.2 Hyphema (See 18.1.10.5) 7.2.2.3 Iritis (See 18.1.10.9)	X	X
		7.2.2.4 Hypopyon	X	Λ
	7.2.3	Posterior pole	21	
	7.2.5	7.2.3.1 Choroiditis/Chorioretinitis	X	
		7.2.3.2 Optic neuritis	X	
		7.2.3.3 Papilledema X	X	
		7.2.3.4 Retinal detachments and defects (See 18.1.10.8)	X	
		7.2.3.5 Retinal vascular occlusion	X	
	7.2.4	Orbit		
		7.2.4.1 Cellulitis		
		7.2.4.1.1 Preseptal	X	
		7.2.4.1.2 Postseptal	X	
		7.2.4.2 Purulent endophthalmitis	X	
7.3	Caverno	ous Sinus Thrombosis X	X	
7.4	Nose			
	7.4.1	Epistaxis X	X	X
	7.4.2	Foreign body	X	X

	7.4.3	Rhinitis			X
	7.4.4	Sinusitis			X
7.5	Oropha	rynx/Throat			
	7.5.1	Dentalgia			X
	7.5.2	Diseases of the oral soft tissue			
		7.5.2.1 Ludwig's angina	X	X	
		7.5.2.2 Stomatitis			X
	7.5.3	Diseases of the salivary glands			
		7.5.3.1 Sialolithiasis		X	X
		7.5.3.2 Suppurative parotitis		X	
	7.5.4	Foreign body	X	X	
	7.5.5	Gingival and periodontal disorders			
		7.5.5.1 Gingivostomatitis			X
	7.5.6	Larynx/Trachea			
		7.5.6.1 Epiglottitis (See 16.1.1.2)	X	X	
		7.5.6.2 Laryngitis			X
		7.5.6.3 Tracheitis		X	X
	7.5.7	Oral candidiasis (See 2.2.1.1, 4.4.2.1)			X
	7.5.8	Periapical abscess		X	X
	7.5.9	Peritonsillar abscess		X	
	7.5.10	Pharyngitis/Tonsillitis			X
	7.5.11	Retropharyngeal abscess	X	X	
	7.5.12	Temporomandibular joint disorders			X
7.6	Tumors			X	X

## 8.0 **HEMATOLOGIC DISORDERS**

			Critical	Emergent	Lower Acuity
8.1	Blood T	ransfusion			
	8.1.1	Complications	X	X	
8.2	Hemost	atic Disorders			
	8.2.1	Coagulation defects	X	X	X
		8.2.1.1 Acquired	X	X	X
		8.2.1.2 Hemophilias	X	X	X
	8.2.2	Disseminated intravascular coagulation	X		
	8.2.3	Platelet disorders	X	X	X
		8.2.3.1 Thrombocytopenia		X	X
8.3	Lympho	omas		X	X
8.4	Pancyto	ppenia	X	X	
8.5	Red Blo	od Cell Disorders			
	8.5.1	Anemias			
		8.5.1.1 Aplastic	X	X	
		8.5.1.2 Hemoglobinopathies		X	X
		8.5.1.2.1 Sickle cell disease		X	X
		8.5.1.3 Hemolytic		X	
		8.5.1.4 Hypochromic			
		8.5.1.4.1 Iron deficiency		X	X
		8.5.1.5 Megaloblastic		X	X
	8.5.2	Polycythemia		X	X
	8.5.3	Methemoglobinemia (See 17.1.29)	X	X	
8.6	White B	Blood Cell Disorders			
	8.6.1	Leukemia		X	X
	8.6.2	Multiple myeloma		X	X
	8.6.3	Leukopenia		X	X

### 9.0 IMMUNE SYSTEM DISORDERS

			Critical	Emergent	Lower Acuity
9.1	Collage	en Vascular Disease		_	
	9.1.1	Raynaud's disease			X
	9.1.2	Reiter's syndrome		X	X
	9.1.3	Rheumatoid arthritis (See 11.3.1.3)		X	X
	9.1.4	Scleroderma		X	X
	9.1.5	Systemic lupus erythematosus		X	X
	9.1.6	Vasculitis		X	X
9.2	Hypers	ensitivity			
	9.2.1	Allergic reaction		X	X
	9.2.2	Anaphylaxis	X		
	9.2.3	Angioedema	X	X	
	9.2.4	Drug allergies	X	X	X
9.3	Transp	lant-related Problems	X	X	X
	9.3.1	Immunosuppression		X	X
	9.3.2	Rejection	X	X	
9.4	Immun	e Complex Disorders		X	
	9.4.1	Kawasaki syndrome		X	X
	9.4.2	Rheumatic fever		X	X
	9.4.3	Sarcoidosis		X	X
	9.4.4	Post-streptococcal glomerulonephritis (S	see 15.3.1)	X	

### 10.0 SYSTEMIC INFECTIOUS DISORDERS

10.1	<b>D</b> 4 • 1		Critical	Emergent	Lower Acuity
10.1	Bacterial 10.1.1 Page 11.5			37	37
	10.1.1	Bacterial food poisoning	<b>3</b> 7	X	X
	10.1.0	10.1.1.1 Botulism	X	X	37
	10.1.2	Chlamydia		X	X
	10.1.3	Gonococcus		X	X
	10.1.4	Meningococcus	X	X	
	10.1.5	Mycobacterium			
		10.1.5.1 Atypical mycobacteria		X	X
		10.1.5.2 Tuberculosis		X	X
	10.1.6	Other bacterial diseases	X	X	
		10.1.6.1 Gas gangrene (See 11.6.3)	X	X	
	10.1.7	Sepsis/Bacteremia	X	X	
		10.1.7.1 Shock	X		
		10.1.7.2 Systemic inflammatory response			
		syndrome (SIRS)	X	X	
		10.1.7.3 Toxic shock syndrome	X	X	
	10.1.8	Spirochetes			
		10.1.8.1 Syphilis		X	X
	10.1.9	Tetanus	X	X	
10.2	Riologics	al Warfare Agents	X	X	
10.2	Diologica	a viana ngomo	11	11	
10.3	Fungal I	nfections		X	X
10.4	Protozoa	n/Parasites			
	10.4.1	Malaria		X	
	10.4.2	Toxoplasmosis		X	X
10.5	Tick-Boi	me			
	10.5.1	Ehrlichiosis		X	
		Lyme disease		X	
	10.5.3	Rocky Mountain spotted fever		X	
	10.0.0	room woman spouled to ver		11	
10.6	Viral			X	X
10.0	10.6.1	Infectious mononucleosis		X	X
	10.6.2	Influenza/Parainfluenza		X	X
	10.6.2	Hantavirus	X	X	71
	10.6.4	Herpes simplex (See 4.4.4.3, 13.1.3.1)	21	X	X
	10.6.4			X	X
		Herpes zoster/Varicella (See 4.4.4.4)	v	X	X
	10.6.6	HIV/AIDS	X	Λ	Λ
	10.6.7	Rabies	X		v
	10.6.8	Roseola			X
	10.6.9	Rubella			X
10.7	Emergin	g Infections, Pandemics, and Drug Resistan	ce X	X	

## 11.0 MUSCULOSKELETAL DISORDERS (NONTRAUMATIC)

			Critical	Emergent	Lower Acuity
11.1		bnormalities			
	11.1.1	Aseptic necrosis of hip		X	X
	11.1.2	Osteomyelitis		X	
	11.1.3	Tumors		X	X
11.2		rs of the Spine			
	11.2.1	Disc disorders		X	X
	11.2.2	Inflammatory spondylopathies		X	X
	11.2.3	Low back pain			
		11.2.3.1 Cauda equina syndrome (See 18.1.	15.1)X	X	
		11.2.3.2 Sacroiliitis			X
		11.2.3.3 Sprains/Strains			X
11.3	Joint Al	bnormalities			
	11.3.1	Arthritis			
		11.3.1.1 Septic		X	
		11.3.1.2 Crystal arthropathies		X	X
		11.3.1.3 Rheumatoid (See 9.1.3)			X
		11.3.1.4 Juvenile			X
		11.3.1.5 Osteoarthrosis			X
	11.3.2	Congenital dislocation of the hip		X	X
	11.3.3	Slipped capital femoral epiphysis		X	
11.4		Abnormalities			
	11.4.1	Myalgia/Myositis			X
	11.4.2	Rhabdomyolysis	X	X	
11.5	Overuse	e Syndromes			
	11.5.1	Bursitis			X
	11.5.2	Muscle strains			X
	11.5.3	Peripheral nerve syndrome			X
		11.5.3.1 Carpal tunnel syndrome			X
	11.5.4	Tendonitis			X
11.6		sue Infections			
	11.6.1	Fasciitis		X	
	11.6.2	Felon		X	
	11.6.3	Gangrene (See 10.1.6.1)	X	X	
	11.6.4	Paronychia		X	X
	11.6.5	Synovitis/Tenosynovitis		X	X

### 12.0 NERVOUS SYSTEM DISORDERS

			Critical	Emergent	Lower Acuity
12.1	Cranial	Nerve Disorders		X	
	12.1.1	Idiopathic facial nerve paralysis (Bell's	palsy)		X
	12.1.2	Trigeminal neuralgia			X
12.2	Demyeli	inating Disorders	X	X	
	12.2.1	Multiple sclerosis		X	X
12.3	Headacl	<b>he</b> (See 1.4.5)	X	X	X
	12.3.1	Muscle contraction			X
	12.3.2	Vascular		X	X
12.4	Hydroce	ephalus		X	X
	12.4.1	Normal pressure		X	X
	12.4.2	VP shunt		X	
12.5	Infection	ns/Inflammatory Disorders			
	12.5.1	Encephalitis	X	X	
	12.5.2	Intracranial and intraspinal abscess	X	X	
	12.5.3	Meningitis			
		12.5.3.1 Bacterial	X	X	
		12.5.3.2 Viral		X	X
	12.5.4	Myelitis		X	
	12.5.5	Neuralgia/Neuritis			X
12.6	Movemo	ent Disorders		X	X
	12.6.1	Dystonic reaction		X	X
12.7	Neurom	uscular Disorders			
	12.7.1	Guillain-Barré syndrome	X	X	
	12.7.2	Myasthenia gravis	X	X	X
	12.7.3	Peripheral neuropathy		X	
12.8	Other C	Conditions of the Brain			
	12.8.1	Dementia (See 14.5.3)			X
	12.8.2	Parkinson's disease			X
	12.8.3	Pseudotumor cerebri		X	X
12.9	Seizure	Disorders	X	X	X
	12.9.1	Febrile		X	X
	12.9.2	Neonatal		X	
	12.9.3	Status epilepticus	X		
12.10 Spinal Cord Compression X X					
12.11		Cerebral Vascular Events)			
	12.11.1	C			
		12.11.1.1 Intracerebral	X	X	

Model of the	Clinical	Practice	of Emergency	Medicine
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	12.11.1.2 Subarachnoid	X	X	
12.11.2	Ischemic			
	12.11.2.1 Embolic	X	X	
	12.11.2.2 Thrombotic	X	X	
12.12 Transient Cerebral Ischemia			X	X
12.12.17	_		V	v
12.13 <b>Tumors</b>	X	X		

### 13.0 **OBSTETRICS AND GYNECOLOGY**

			Critical	Emergent	Lower Acuity
13.1	Female 6	Genital Tract			
	13.1.1	Cervix			
		13.1.1.1 Cervicitis and endocervicitis		X	X
		13.1.1.2 Tumors			X
	13.1.2	Infectious disorders			
		13.1.2.1 Pelvic inflammatory disease		X	
		13.1.2.1.1 Fitz-Hugh-Curtis			
		syndrome		X	
		13.1.2.1.2 Tuboovarian abscess	<b>;</b>	X	
	13.1.3	Lesions			
		13.1.3.1 Herpes simplex (See 4.4.4.3, 10.0	5.4)		X
		13.1.3.2 Human papillomavirus (HPV)	,		
		(See 4.4.4.5)			X
	13.1.4	Ovary			
		13.1.4.1 Cyst			X
		13.1.4.2 Torsion		X	
		13.1.4.3 Tumors		X	X
	13.1.5	Uterus		21	71
	13.1.3	13.1.5.1 Dysfunctional bleeding		X	X
		13.1.5.2 Endometriosis		71	X
		13.1.5.3 Prolapse			X
		13.1.5.4 Tumors		X	X
		13.1.5.4.1 Gestational trophoble	ostio	Λ	Λ
		disease	astic	X	
				Λ	X
	12 1 6	13.1.5.4.2 Leiomyoma			Λ
	13.1.6	Vagina and vulva 13.1.6.1 Bartholin's abscess		v	
				X	v
		13.1.6.2 Foreign body		X	X
		13.1.6.3 Vaginitis/Vulvovaginitis			X
13.2	Normal	Pregnancy			X
	-,				
13.3	Complic	cations of Pregnancy			
	13.3.1	Abortion		X	
	13.3.2	Ectopic pregnancy	X	X	
	13.3.3	Hemolysis, elevated liver enzymes, low			
		platelets (HELLP) syndrome	X	X	
	13.3.4	Hemorrhage, antepartum			
		13.3.4.1 Abruptio placentae (See 18.2.1)	X	X	
		13.3.4.2 Placenta previa	X	X	
	13.3.5	Hyperemesis gravidarum		X	X
	13.3.6	Pregnancy-induced hypertension		X	X
		13.3.6.1 Eclampsia	X	X	
		13.3.6.2 Preeclampsia		X	
	13.3.7	Infections		X	
	13.3.8	Rh isoimmunization		X	
	13.3.9	First trimester bleeding	X	X	X
	10.0.7	That difficated diceding	11	71	11

13.4	4 High-risk Pregnancy		X	X	
13.5	Normal 2	Labor and Delivery		X	X
13.6	Complic	ations of Labor			
	13.6.1	Fetal distress	X		
	13.6.2	Premature labor (See 18.2.3)		X	
	13.6.3	Premature rupture of membranes		X	
	13.6.4	Rupture of uterus (See 18.2.4)	X		
13.7	Complic	ations of Delivery			
	13.7.1	Malposition of fetus	X	X	
	13.7.2	Nuchal cord	X		
	13.7.3	Prolapse of cord	X		
13.8	Postpart	um Complications			
	13.8.1	Endometritis		X	
	13.8.2	Hemorrhage	X	X	
	13.8.3	Mastitis		X	X

## 14.0 PSYCHOBEHAVIORAL DISORDERS

			Critical	Emergent	Lower Acuity
14.1	Addictiv	e Behavior			
	14.1.1	Alcohol dependence			X
	14.1.2	Drug dependence			X
	14.1.3	Eating disorders		X	X
	14.1.4	Substance abuse			X
14.2	Mood Di	sorders and Thought Disorders			
	14.2.1	Acute psychosis	X	X	
	14.2.2	Bipolar disorder		X	X
	14.2.3	Depression		X	X
		14.2.3.1 Suicidal risk	X	X	
	14.2.4	Grief reaction			X
	14.2.5	Schizophrenia		X	X
140	E 444	D. 1			
14.3		s Disorders			*7
	14.3.1	Drug-seeking behavior		••	X
	14.3.2	Munchausen syndrome/Munchausen by prox	У	X	X
14.4		Disorders			
	14.4.1	Anxiety/Panic			X
	14.4.2	Obsessive compulsive			X
	14.4.3	Phobic			X
	14.4.4	Post-traumatic stress			X
14.5	Organic	Psychoses			
	14.5.1	Chronic organic psychotic conditions			X
		14.5.1.1 Alcoholic psychoses		X	X
		14.5.1.2 Drug psychoses		X	X
	14.5.2	Delirium		X	
	14.5.3	Dementia (See 12.8.1)			X
	14.5.4	Intoxication and/or withdrawal (See 17.1.2)			
	1 1.5.1	14.5.4.1 Alcohol	X	X	X
		14.5.4.2 Hallucinogens (See 17.1.17)	21	X	X
		14.5.4.3 Opioids (See 17.1.1.3)	X	X	X
		14.5.4.4 Phencyclidine	21	X	71
		14.5.4.5 Sedatives/Hypnotics/Anxiolytics		Λ	
		**	v	X	X
		(See 17.1.35) 14.5.4.6 Sympathomimetics and cocaine	X	Λ	Λ
		* *	v	v	v
		(See 17.1.36; 17.1.15)	X	X	X
14.6		of Violence/Abuse/Neglect			
	14.6.1	Interpersonal violence			
		14.6.1.1 Child, intimate partner, elder		X	
	14.6.2	Homicidal Risk	X	X	
	14.6.3	Sexual assault		X	
	14.6.4	Staff/Patient safety		X	

Mod	Model of the Clinical Practice of Emergency Medicine		
14.7	Person	ality Disorders	X
14.8	Psycho	somatic Disorders	
	14.8.1	Hypochondriasis	X
	14.8.2	Hysteria/Conversion	X

### 15.0 RENAL AND UROGENITAL DISORDERS

15.1	Acute and Chronic Renal Failure	Critical X	Emergent X	Lower Acuity X
15.2	<b>Complications of Renal Dialysis</b>	X	X	
15.3	Glomerular Disorders		**	**
	15.3.1 Glomerulonephritis (See 9.4.4)		X X	X X
	15.3.2 Nephrotic syndrome		Λ	Λ
15.4	Infection			
	15.4.1 Cystitis			X
	15.4.2 Pyelonephritis		X	
	15.4.3 Urinary tract infection (UTI)			X
15.5	Male Genital Tract			
	15.5.1 Genital lesions			X
	15.5.2 Hernias		X	X
	15.5.3 Inflammation/Infection			
	15.5.3.1 Balanitis/Balanoposthitis		X	X
	15.5.3.2 Epididymitis/Orchitis		X	X
	15.5.3.3 Gangrene of the scrotum			
	(Fournier's gangrene)	X	X	
	15.5.3.4 Prostatitis		X	X
	15.5.3.5 Urethritis			X
	15.5.4 Structural			
	15.5.4.1 Paraphimosis/Phimosis		X	
	15.5.4.2 Priapism		X	
	15.5.4.3 Prostatic hypertrophy (BPH)		**	X
	15.5.4.4 Torsion of testis		X	37
	15.5.5 Testicular masses			X
	15.5.6 Tumors			v
	15.5.6.1 Prostate			X
	15.5.6.2 Testis			X
15.6	Nephritis		X	X
	15.6.1 Hemolytic uremic syndrome		X	
15.7	Structural Disorders			
	15.7.1 Calculus of urinary tract		X	X
	15.7.2 Obstructive uropathy		X	
	15.7.3 Polycystic kidney disease			X
15.8	Tumors			X

## 16.0 THORACIC-RESPIRATORY DISORDERS

			Critical	Emergent	Lower Acuity
16.1	Acute U	pper Airway Disorders		C	Ž
	16.1.1	Infections			
		16.1.1.1 Croup		X	
		16.1.1.2 Epiglottitis (See 7.5.6.1)	X	X	
		16.1.1.3 Pertussis	X	X	
		16.1.1.4 Upper respiratory infection			X
	16.1.2	Obstruction	X		
	16.1.3	Tracheostomy/Complications	X	X	
16.2	Disorde	rs of Pleura, Mediastinum, and Chest Wa	ill		
	16.2.1	Costochondritis			X
	16.2.2	Mediastinitis	X	X	
	16.2.3	Pleural effusion		X	X
	16.2.4	Pleuritis			X
	16.2.5	Pneumomediastinum		X	
	16.2.6	Pneumothorax (See 18.1.2.7)			
		16.2.6.1 Simple		X	
		16.2.6.2 Tension	X		
	16.2.7	Empyema		X	X
16.3	Noncaro	liogenic Pulmonary Edema	X	X	
164	Obstruc	tive/Restrictive Lung Disease			
10	16.4.1	Asthma/Reactive airway disease	X	X	
	16.4.2	Bronchitis and bronchiolitis		X	X
	16.4.3	Bronchopulmonary dysplasia		X	X
	16.4.4	Chronic obstructive pulmonary disease	X	X	X
	16.4.5	Cystic fibrosis	X	X	X
	16.4.6	Environmental/Industrial exposure	X	X	X
	16.4.7	Foreign body	X	X	
16.5	Physical	and Chemical Irritants/Insults			
10.5	16.5.1	Pneumoconiosis		X	X
	16.5.2	Toxic effects of gases, fumes, vapors		11	
		(See 18.1.3.3.2)	X	X	X
16.6	Pulmon	ary Embolism/Infarct			
10.0	16.6.1	Septic emboli	X	X	
	16.6.2	Venous thromboembolism (See 3.3.2.1)	X	X	
	10.0.2	venous unomboemoonsm (See 3.3.2.1)	71	71	
16.7		ary Infections		***	
	16.7.1	Lung abscess		X	
	16.7.2	Pneumonia	v	37	
		16.7.2.1 Aspiration	X	X	<b>T7</b>
		16.7.2.2 Community-acquired	X	X	X
	1672	16.7.2.3 Health care-associated	X	X	X
	16.7.3	Pulmonary tuberculosis		X	

Model of the Clinical Practice of Emergency Medicine			36
16.8 <b>Tumors</b>			
16.8.1	Breast		X
16.8.2	Pulmonary	X	X

16.9 Pulmonary Hypertension	X	X	X
16.9 Pulmonary Hypertension	X	X	2

## 17.0 TOXICOLOGIC DISORDERS

			Critical	Emergent	Lower Acuity
17.1	Drug an	d Chemical Classes		C	•
	17.1.1	Analgesics			
		17.1.1.1 Acetaminophen		X	
		17.1.1.2 Nonsteroidal anti-inflammatories			
		(NSAIDS)		X	X
		17.1.1.3 Opiates and related narcotics			
		(See 14.5.4.3)	X	X	
		17.1.1.4 Salicylates	X	X	
	17.1.2	Alcohol (See 14.5.4)			
		17.1.2.1 Ethanol	X	X	X
		17.1.2.2 Glycol	X	X	
		17.1.2.3 Isopropyl	X	X	X
		17.1.2.4 Methanol	X	X	
	17.1.3	Anesthetics	X	X	
	17.1.4	Anticholinergics/Cholinergics	X	X	
	17.1.5	Anticoagulants	X	X	
	17.1.6	Anticonvulsants	X	X	
	17.1.7	Antidepressants	X	X	
	17.1.8	Antiparkinsonism drugs		X	
	17.1.9	Antihistamines and antiemetics		X	
	17.1.10	Antipsychotics	X	X	
	17.1.11	Bronchodilators		X	
		Carbon monoxide	X	X	
	17.1.13	Cardiovascular drugs			
		17.1.13.1 Antiarrhythmics	X	X	
		17.1.13.1.1 Digitalis	X	X	
		17.1.13.2 Antihypertensives	X	X	
		17.1.13.3 Beta blockers	X	X	
		17.1.13.4 Calcium channel blockers	X	X	
	17.1.14	Caustic agents (See 2.2.2.3)			
		17.1.14.1 Acid	X	X	
		17.1.14.2 Alkali	X	X	
	17.1.15	Cocaine (See 14.5.4.6)	X	X	X
	17.1.16	Cyanides, hydrogen sulfide	X	X	
	17.1.17	Hallucinogens (See 14.5.4.2)		X	X
	17.1.18	Hazardous materials	X	X	
	17.1.19	Heavy metals	X	X	
	17.1.20	Herbicides, insecticides, and rodenticides	X	X	
	17.1.21	Household/Industrial chemicals	X	X	X
	17.1.22	Hormones/Steroids		X	X
	17.1.23	Hydrocarbons	X	X	
	17.1.24	Hypoglycemics/Insulin	X	X	
	17.1.25	Inhaled toxins	X	X	
	17.1.26	Iron	X	X	
	17.1.27	Isoniazid	X	X	
	17.1.28	Marine toxins (See 6.1.3)	X	X	X
	17.1.29	Methemoglobinemia (See 8.5.3)	X	X	

17.1.30	Mushrooms/Poisonous plants	X	X	
17.1.31	Neuroleptics	X	X	
17.1.32	Non-prescription drugs		X	X
17.1.33	Organophosphates	X	X	
17.1.34	Recreational drugs	X	X	X
17.1.35	Sedatives/Hypnotics (See 14.5.4.5)	X	X	
17.1.36	Stimulants/Sympathomimetics (See 14.5.4.6)	X	X	
17.1.37	Strychnine	X	X	
17.1.38	Lithium	X	X	X
17.1.39	Nutritional supplements		X	X
17.1.40	Chemical warfare agents	X	X	X

## 18.0 TRAUMATIC DISORDERS

					Critical	Emergent	Lower Acuity
18.1	Trauma						
	18.1.1		nal trauma			**	
			Diaphragm		X	X	
			Hollow vis		X	X	
			Penetrating		X	X	
			Retroperito		X	X	
			Solid organ	1	X	X	
			Vascular		X	X	
	18.1.2	Chest tra					
				ection/Disruption	X		
		18.1.2.2	Contusion				
			18.1.2.2.1	Cardiac	X	X	X
			18.1.2.2.2	Pulmonary	X	X	
		18.1.2.3	Fracture				
			18.1.2.3.1	Clavicle		X	X
			18.1.2.3.2	Ribs/Flail chest	X	X	X
			18.1.2.3.3	Sternum		X	X
		18.1.2.4	Hemothora	X	X	X	
				chest trauma	X	X	
				tamponade (See 3.6.1)			
				orax (See 16.2.6)			
			18.1.2.7.1	Simple		X	
			18.1.2.7.2	Tension	X		
	18.1.3	Cutaneou	as injuries	1011011	11		
	10.1.5		Avulsions			X	X
			Bite wound	ls (See 6.1)		X	X
		18.1.3.3		15 (500 0.1)		71	11
		10.1.5.5		Electrical (See 6.3)	X	X	X
			18.1.3.3.2			X	X
			18.1.3.3.3	Thermal	X	X	X
		18 1 3 4	Laceration		<b>A</b>	X	X
			Puncture w			X	X
	18.1.4	Facial fra		ounds		Λ	X
	10.1.4	18.1.4.1				X	X
		18.1.4.2			X	X	X
			Mandibula Mandibula		Λ	X	X
		18.1.4.4		l		X	X
	10 1 5					Λ	Λ
	18.1.5		inary trauma Bladder	Į.		v	
						X	
			External ge	enitalia		X	37
		18.1.5.3				X	X
	10.1.6		Ureteral			X	
	18.1.6	Head trai		1 : :	*7	37	
			Intracrania		X	X	***
				rations/Avulsions		X	X
	10.1.		Skull fracti	ıres		X	X
	18.1.7	Injuries of	of the spine				

		islocations/Subluxations	X	X	
		ractures	X	X	X
		orains/Strains			X
18.1.8		nity bony trauma			
		islocations/Subluxations		X	
		ractures (open and closed	)	X	X
18.1.9	Neck trauma				
		aryngotracheal injuries	X	X	
		enetrating neck trauma	X	X	
		ascular injuries			
		1.9.3.1 Carotid artery	X	X	
		1.9.3.2 Jugular vein	X	X	
18.1.10	Ophthalmolo				
		orneal abrasions/Lacerati	ons		
	·	ee 7.2.1.4)		X	X
		Corneal burns (See 7.2.1.2	2)		
	18.	1.10.2.1 Acid		X	
	18.	1.10.2.2 Alkali		X	
	18.	1.10.2.3 Ultraviolet		X	X
		yelid lacerations		X	
	18.1.10.4 Fo	oreign body		X	
	18.1.10.5 H	yphema (See 7.2.2.2)		X	
	18.1.10.6 La	acrimal duct injuries		X	
	18.1.10.7 Pe	enetrating globe injuries		X	
	18.1.10.8 R	etinal detachments (See 7	(.2.3.4)	X	
	18.1.10.9 Ti	raumatic iritis (See 7.2.2.	3)	X	X
		etrobulbar hematoma		X	
18.1.11	Otologic trau	ma			
	18.1.11.1 H	ematoma		X	X
	18.1.11.2 Pe	erforated tympanic memb	rane (See 7.1.7)		X
18.1.12					
	18.1.12.1 E <sub>1</sub>	piphyseal		X	X
	18.1.12.2 G			X	
	18.1.12.3 To				X
18.1.13	Pelvic fractur	æ	X	X	
18.1.14	Soft-tissue ex	tremity injuries			
		mputations/Replantation		X	
		ompartment syndromes		X	
		igh-pressure injection		X	
		juries to joints		X	X
		1.14.4.1 Knee		X	X
		1.14.4.2 Penetrating		X	
		enetrating soft-tissue		X	X
	18.1.14.6 Pe				X
	18.1.14.7 S <sub>1</sub>				X
		endon injuries			
		.1.14.8.1 Lacerations/Tra	X		
	18.1.14.8.2 Ruptures			X	
	18.1.14.8.2.1 Achilles tendon			X	
		18.1.14.8.2.2 P		X	
	18.1.14.9 V	ascular injuries	X	X	
		y	==		

	18.1.15	Spinal cord and nervous system trauma			
		18.1.15.1 Cauda equina syndrome (See 11.2.	.3.1)X	X	
		18.1.15.2 Injury to nerve roots		X	X
		18.1.15.3 Peripheral nerve injury		X	X
		18.1.15.4 Spinal cord injury	X	X	
		18.1.15.4.1 Spinal cord injury without radiologic			
		abnormality (SCIWOR	A)	X	
	18.1.16	Upper extremity bony trauma			
		18.1.16.1 Dislocations/Subluxations		X	
		18.1.16.2 Fractures (open and closed)		X	X
18.2	Trauma	in Pregnancy			
	18.2.1	Abruptio placentae (See 13.3.4.1)	X	X	
	18.2.2	Perimortem C-section	$\mathbf{X}$		
	18.2.3	Premature labor (See 13.6.2)		X	
	18.2.4	Rupture of uterus (See 13.6.4)	X		
18.3	Multi-sy	stem Trauma	X	X	
	18.3.1	Blast injury	X	X	

## 19.0 PROCEDURES AND SKILLS INTEGRAL TO THE PRACTICE OF EMERGENCY MEDICINE

19 1	Airway	Techniques
17.1	Allway	recillinates

- 19.1.1 Intubation
- 19.1.2 Airway adjuncts
- 19.1.3 Surgical airway
- 19.1.4 Mechanical ventilation
- 19.1.5 Non-invasive ventilatory management
- 19.1.6 Ventilatory monitoring

#### 19.2 **Resuscitation**

- 19.2.1 Cardiopulmonary resuscitation
- 19.2.2 Neonatal resuscitation
- 19.2.3 Pediatric resuscitation
- 19.2.4 Post-resuscitative care
- 19.2.5 Blood, fluid, and component therapy
- 19.2.6 Arterial catheter insertion
- 19.2.7 Central venous access
- 19.2.8 Intraosseous infusion
- 19.2.9 Defibrillation
- 19.2.10 Thoracotomy

### 19.3 Anesthesia and Acute Pain Management

- 19.3.1 Local
- 19.3.2 Regional nerve block
- 19.3.3 Procedural sedation and analgesia

### 19.4 Diagnostic and Therapeutic Procedures

- 19.4.1 Abdominal and Gastrointestinal
  - 19.4.1.1 Anoscopy
  - 19.4.1.2 Excision of thrombosed hemorrhoid
  - 19.4.1.3 Gastric lavage
  - 19.4.1.4 Gastrostomy tube replacement
  - 19.4.1.5 Nasogastric tube
  - 19.4.1.6 Paracentesis

#### 19.4.2 Cardiovascular and Thoracic

- 19.4.2.1 Cardiac pacing
- 19.4.2.2 Cardioversion
- 19.4.2.3 ECG interpretation
- 19.4.2.4 Pericardiocentesis
- 19.4.2.5 Thoracentesis
- 19.4.2.6 Thoracostomy

#### 19.4.3 Cutaneous

- 19.4.3.1 Escharotomy
- 19.4.3.2 Incision and drainage
- 19.4.3.3 Trephination, nails
- 19.4.3.4 Wound closure techniques
- 19.4.3.5 Wound management

- 19.4.4 Head, Ear, Eye, Nose, and Throat
  - 19.4.4.1 Control of epistaxis
  - 19.4.4.2 Drainage of peritonsillar abscess
  - 19.4.4.3 Laryngoscopy
  - 19.4.4.4 Lateral canthotomy
  - 19.4.4.5 Slit lamp examination
  - 19.4.4.6 Tonometry
  - 19.4.4.7 Tooth stabilization
- 19.4.5 Systemic Infectious
  - 19.4.5.1 Personal protection (equipment and techniques)
  - 19.4.5.2 Universal precautions and exposure management
- 19.4.6 Musculoskeletal
  - 19.4.6.1 Arthrocentesis
  - 19.4.6.2 Compartment pressure measurement
  - 19.4.6.3 Fracture/dislocation immobilization techniques
  - 19.4.6.4 Fracture/dislocation reduction techniques
  - 19.4.6.5 Spine immobilization techniques
- 19.4.7 Nervous System
  - 19.4.7.1 Lumbar puncture
- 19.4.8 Obstetrics and Gynecology
  - 19.4.8.1 Delivery of newborn
  - 19.4.8.2 Perimortem C-section
  - 19.4.8.3 Sexual assault examination
- 19.4.9 Psychobehavioral
  - 19.4.9.1 Psychiatric screening examination
  - 19.4.9.2 Violent patient management/restraint
- 19.4.10 Renal and Urogenital
  - 19.4.10.1 Bladder catheterization
    - 19.4.10.1.1 Urethral catheter
    - 19.4.10.1.2 Suprapubic catheter
  - 19.4.10.2 Cystourethrogram
  - 19.4.10.3 Testicular detorsion
- 19.4.11 Toxicologic
  - 19.4.11.1 Decontamination

### 19.5 Other Diagnostic and Therapeutic Procedures

- 19.5.1 Foreign body removal
- 19.5.2 Forensic examination
- 19.5.3 Ultrasound
  - 19.5.3.1 Diagnostic
  - 19.5.3.2 Procedural

#### 20.0 OTHER CORE COMPETENCIES OF THE PRACTICE OF EMERGENCY MEDICINE

#### 20.1 Interpersonal and Communication Skills

- 20.1.1 Interpersonal Skills
  - 20.1.1.1 Inter-departmental and medical staff relations
  - 20.1.1.2 Intra-departmental relations, teamwork, and collaboration skills
  - 20.1.1.3 Patient and family experience of care
- 20.1.2 Communication Skills

	20.1.2.1 20.1.2.2	Complaint management and service recovery Conflict management
	20.1.2.2	Crisis resource management
		<u> </u>
	20.1.2.4	Delivering bad news Multicultural approach to the ED patient
	20.1.2.3	Negotiation skills
	20.1.2.0	Negotiation skins
20.2		Learning and Improvement
		mance improvement and lifelong learning
	20.2.1.1	
		Interpretation of medical literature
	20.2.1.3	Knowledge translation
	20.2.1.4	Patient safety and medical errors
	20.2.1.5	Performance evaluation and feedback
	20.2.1.6	
	20.2.2 Practic	
	20.2.3 Educa	
		Patient and family
	20.2.3.2	Provider
20.3	Professionalism	n
	20.3.1 Advoc	
	20.3.1.1	
	20.3.1.2	Professional
	20.3.2 Ethica	
	20.3.2.1	Conflicts of interest
	20.3.2.2	Diversity awareness
	20.3.2.3	Electronic communications/Social media
	20.3.2.4	Medical ethics
	20.3.3 Leader 20.3.4 Well-b	rship and Management Principles
	20.3.4.1	Fatigue and impairment
	20.3.4.2	Time management/Organizational skills
	20.3.4.3	Time management/Organizational skills Work/Life balance
	20.3.4.4	Work dysphoria (burn-out)
20.4	Systems-based	
		al Informatics
	20.4.1.1	Computerized physician order entry
		Clinical decision support
		Electronic health record
		Health information integration
	20.4.2 ED A	
		Contracts and practice models
		Patient flow and throughput
		0.4.2.2.1 Patient triage and classification
		0.4.2.2.2 Hospital crowding and diversion
		0.4.2.2.3 Observation and rapid treatment units
	20.4.2.3	F
		0.4.2.3.1 Billing and coding
	20	0.4.2.3.2 Cost-effective care and resource utilization

20.4.2.3.3 Reimbursement issues
20.4.2.4 Human Resource Management
20.4.2.4.1 Allied health professionals
20.4.2.4.2 Recruitment, credentialing, and orientation
20.4.3 ED Operations
20.4.3.1 Policies and procedures
20.4.3.2 ED data acquisition and operational metrics
20.4.3.3 Safety, security, and violence in the ED
20.4.4 Health Care Coordination
20.4.4.1 End-of-life and palliative care
20.4.4.2 Long-term care
20.4.4.3 Outpatient services
20.4.5 Regulatory/Legal
20.4.5.1 Accreditation
20.4.5.2 Compliance and reporting requirements
20.4.5.3 Confidentiality and HIPAA
20.4.5.4 Consent, capacity, and refusal of care
20.4.5.5 Emergency Medical Treatment and Active Labor Act (EMTALA)
20.4.5.6 External quality metrics
20.4.6 Risk Management
20.4.6.1 Liability and litigation
20.4.6.2 Professional liability insurance
20.4.6.3 Risk mitigation
20.4.7 Evolving Trends in Health Care Delivery
20.4.8 Regionalization of Emergency Care

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