

Core Educational Topics & Corresponding Chapters in *An Introduction to Clinical Emergency Medicine*

Approach to	Specific Disease Entities	Chapter(s)
Abdominal/pelvic pain	Aortic aneurysm Appendicitis Bowel obstruction Cholelithiasis/cholecystitis Diverticulitis Ectopic pregnancy Ovarian torsion Nephrolithiasis Testicular torsion	9: Abdominal pain 29: Pelvic pain 31: Scrotal pain 37: Urinary-related complaints
Alteration/loss of consciousness	Hypoglycemia Seizure Syncope	12: Altered mental status 16: Diabetes-related emergencies 32: Seizures 35: Syncope
Chest pain	Acute coronary syndromes Aortic dissection Pneumothorax Pulmonary embolism	13: Chest pain
Environmental exposures	Burns (chemical, thermal) Envenomations (hymenoptera, <i>Latrodectus</i> , <i>Crotalus</i>) Hypothermia/hyperthermia	42: Environmental emergencies
Eye pain, vision change	Acute angle closure glaucoma Trauma Retinal detachment	21: Eye pain, redness and visual loss
Gastrointestinal bleeding	Upper (peptic ulcer disease, variceal) Lower (diverticulosis, hemorrhoids, malignancy)	24: Gastrointestinal bleeding
Headache	Mass lesions Meningitis Migraine Subarachnoid hemorrhage	25: Headache
Poisoning/overdose	Anion gap metabolic acidosis Decontamination (activated charcoal) Acetaminophen overdose Carbon monoxide poisoning Opioid overdose Salicylate toxicity Tricyclic antidepressant overdose Toxic alcohols (ethylene glycol, methanol)	36: Toxicologic emergencies
Psychiatric	Psychosis Substance abuse Suicidal ideation or attempt	10: Abnormal behavior
Resuscitation	Basic airway management	2: Airway

	Basic airway maneuvers Airway adjuncts Bag-valve mask ventilation First minute of a code Cardiopulmonary resuscitation Dysrhythmia identification/ treatment	management 3: Cardiopulmonary and cerebral resuscitation 4: Cardiac dysrhythmias
Shock	Anaphylactic Obstructive (pulmonary embolism, pericardial tamponade) Cardiogenic Hypovolemic Septic	5: Shock 11: Allergic reactions and anaphylactic syndromes
Shortness of breath	Airway obstruction Asthma/chronic obstructive pulmonary disease Heart failure Pneumonia Pulmonary embolism	33: Shortness of breath in adults
Traumatic injuries	Abdomen (bowel, hepatic, splenic injuries) Chest (hemothorax, pneumothorax, tension pneumothorax) Extremities (dislocations, fractures, splinting) Head injuries (epidural, subdural hematomas) Neck/spine (cervical spine fractures, spinal cord injury) Pediatric nonaccidental trauma/domestic violence	6: Traumatic injuries 20: Extremity trauma
Vaginal bleeding	Abortion (threatened, complete, incomplete, inevitable) Ectopic pregnancy Placenta previa Placental abruption	38: Vaginal bleeding
Weakness & dizziness	Cerebrovascular accident (ischemic, hemorrhagic, thrombotic) Vertigo (benign positional vertigo, cerebellar hemorrhage)	18: Dizziness and vertigo 40: Weakness
Wound care	Irrigation Local anesthesia Primary closure Tetanus prophylaxis	Appendix B: Wound preparation Appendix C: Laceration repair

Also recommended reading: Chapter 1: Approach to the emergency patient

Core education topics from the Report of the Task Force on National Fourth Year Medical Student Emergency Medicine Curriculum Guide in *Annals of Emergency Medicine* (2005)