

Table S1. Groupings of presenting complaints.

Grouping of complaints	Presenting complaints (non-exhaustive)	Examples of eventual diagnoses
Abdominal pain	Localized abdominal pain	Intestinal obstruction
	Generalized abdominal pain	Peptic ulcer disease
	Abdominal colic	Acute appendicitis
	Dyspepsia	Biliary colic
Fever	Patient-documented temperature or temperature $\geq 38.0^{\circ}\text{C}$ at the ED with no localizing source	Viral fever
		Neutropenic fever
Gastrointestinal	Nausea	Gastroenteritis
	Vomiting	Inflammatory bowel disease
	Diarrhea	Irritable bowel syndrome
	Constipation	
Upper respiratory tract infection	Cough	Pharyngitis
	Rhinorrhea	Tonsillitis
	Sore throat	Sinusitis
Musculoskeletal pain	Body aches	Osteoarthritis
	Joint pains	Rheumatoid arthritis
		Gout flare
		Tendinitis
Trauma	Fall	Abrasion
	Burns	Contusion
	Cut wound	Fracture
	Motor vehicle accident	Dislocation
	Minor head injury	Concussion
Headache	Localized headache (e.g. bitemporal, occipital)	Primary headache (e.g. migraine)
		Intracranial bleed
	Generalized headache	Brain tumor
Lower back pain and sciatica	Backache	Prolapsed intervertebral disc
	Radiation of pain to lower limb	Lumbar spondylosis

		Degenerative disc disease
Chest pain	Angina	Acute myocardial infarction
	Pleuritic chest pain	Spontaneous pneumothorax
		Atypical chest pain
Giddiness and vertigo	Dizziness (non-vertiginous)	Vestibular neuritis
	Vertigo	Benign paroxysmal positional vertigo
Ophthalmological and otolaryngological	Eye redness, itch, floaters	Conjunctivitis
	Ear blockage, pain, discharge	Subconjunctival hemorrhage
	Foreign body in eye or ear	Otitis media, otitis externa
		Cornea abrasion
Shortness of breath (excluding asthma)	Dyspnea	Acute bronchitis
		Hyperventilation syndrome
		Chronic obstructive lung disease
Urological	Dysuria	Urinary tract infection
	Hematuria	Benign prostatic hyperplasia
	Urinary frequency, urgency	Blocked indwelling catheter
	Urinary retention	
Dermatological	Generalized exanthem	Atopic dermatitis
	Localized rash	Varicella
	Pruritus	Urticaria
Renal colic	Flank pain	Ureteric stones
	Pain radiating to groin	
Obstetric and gynecological	Dysmenorrhea	Endometriosis
	Menorrhagia	Uterine fibroid
	Abnormal vaginal discharge	Pelvic inflammatory disease
	Vulvar mass	Bartholin's cyst infection
	Per-vaginal bleeding in pregnancy	Threatened miscarriage
Cellulitis and abscess	Limb redness and swelling	Cellulitis
	Painful skin lump	Abscess

	Insect or animal bites	Bite wounds
Neurological deficit	Loss of consciousness	Vasovagal syncope
	Weakness	Transient ischemic attack
	Numbness, paresthesia	Carpal tunnel syndrome
Psychiatric	Depressed mood	Acute stress reaction
	Anxiety	Depressive disorder
	Insomnia	Anxiety disorder
	Hallucination	Schizophrenia
Asthma	Wheezing	Asthma exacerbation
	Shortness of breath, cough (on background of asthma)	
Others	Palpitations	Thyrotoxicosis
	Testicular pain	Epididymo-orchitis
	Post-operative complications	Dislodged nephrostomy tube