

Supplemental Figure S2: Single correct diagnosis of the clinical vignettes and the ten differential-diagnosis lists created through ChatGPT-3.

No	Chief complaint	Correct diagnosis	Differential-diagnosis list by ChatGPT-3
1-1	Abdominal pain	Cholecystitis	<ol style="list-style-type: none"> 1. Gastroesophageal reflux disease (GERD) 2. Peptic ulcer disease 3. Gastritis <u>4. Acute cholecystitis</u> 5. Pancreatitis 6. Hiatal hernia 7. Pancreatic cancer 8. Small intestine obstruction 9. Appendicitis 10. Stomach cancer
1-2	Abdominal pain	Appendicitis	<ol style="list-style-type: none"> <u>1. Appendicitis</u> 2. Gastroenteritis 3. Ovarian torsion 4. Urinary tract infection 5. Ectopic pregnancy 6. Pelvic inflammatory disease 7. Endometriosis 8. Constipation 9. Irritable bowel syndrome 10. Diverticulitis
1-3	Abdominal pain	Acute pancreatitis	<ol style="list-style-type: none"> <u>1. Acute pancreatitis</u> 2. Gastroenteritis 3. Peptic ulcer disease 4. Gallbladder disease 5. Hepatitis 6. Esophageal reflux disease (GERD) 7. Alcoholic liver disease 8. Appendicitis 9. Constipation 10. Food poisoning
2-1	Fever	Pyelonephritis	<ol style="list-style-type: none"> <u>1. Urinary tract infection</u> 2. Kidney stone

			3. Pneumonia 4. Sepsis 5. Influenza 6. Gastroenteritis 7. Malignancy 8. Drug reaction 9. Thyroiditis 10. Rheumatoid arthritis
2-2	Fever	Infectious mononucleosis	1. Acute tonsillitis 2. Acute pharyngitis <u>3. Mononucleosis</u> 4. Influenza 5. Measles 6. Mumps 7. Streptococcal infection 8. Adenovirus infection 9. Parvovirus infection 10. HIV infection
2-3	Fever	Infective endocarditis (IE)	<u>1. Infective endocarditis</u> 2. Pyelonephritis 3. Pneumonia 4. Urinary tract infection 5. Acute bronchitis 6. Gastroenteritis 7. Sepsis 8. Influenza 9. Tuberculosis 10. Malaria
3-1	Chest pain	Myocardial infarction	<u>1. Acute coronary syndrome</u> (e.g. myocardial infarction, unstable angina) 2. Pulmonary embolism 3. Aortic dissection 4. Pneumonia 5. Esophageal spasm or acute gastroesophageal reflux disease (GERD) 6. Pericarditis

			7. Hypertensive crisis 8. Pulmonary hypertension 9. Anaphylaxis 10. Pneumothorax
3-2	Chest pain	Acute myocardial infarction (AMI)	<u>1. Myocardial infarction (heart attack)</u> 2. Angina pectoris 3. Aortic aneurysm 4. Pulmonary embolism 5. Pericarditis 6. Acute coronary syndrome 7. Cardiomyopathy 8. Aortic stenosis 9. Mitral stenosis 10. Pulmonary hypertension
3-3	Chest pain	Pulmonary embolism (PE)	1. Myocardial infarction (heart attack) 2. Aortic dissection <u>3. Pulmonary embolism</u> 4. Pericarditis 5. Angina 6. Hypertrophic cardiomyopathy 7. Anterior wall myocardial infarction 8. Mitral valve prolapse 9. Panic attack 10. Pulmonary hypertension
4-1	Breathing difficulty	Pneumothorax	1. Pneumonia 2. Pulmonary embolism 3. Chronic obstructive pulmonary disease (COPD) 4. Asthma 5. Bronchitis <u>6. Collapsed lung (pneumothorax)</u> 7. Pulmonary edema 8. Heart failure 9. Pleural effusion 10. Esophageal cancer
4-2	Breathing	Chronic	<u>1. Chronic obstructive pulmonary disease</u>

	difficulty	obstructive pulmonary disease (COPD)	<u>(COPD)</u> 2. Bronchitis 3. Emphysema 4. Pulmonary fibrosis 5. Chronic bronchitis 6. Asthma 7. Pulmonary embolism 8. Lung cancer 9. Pneumonia 10. Heart failure
4-3	Breathing difficulty	Hypersensitivity pneumonia	1. Pneumonia 2. Bronchitis 3. Asthma 4. Pulmonary embolism 5. Tuberculosis 6. Influenza (the flu) 7. Heart failure 8. Chronic obstructive pulmonary disease (COPD) 9. Allergic reactions 10. Anaphylaxis
5-1	Joint pain	Rheumatoid arthritis	1. <u>Rheumatoid arthritis</u> 2. Osteoarthritis 3. Gout 4. Psoriatic arthritis 5. Systemic lupus erythematosus 6. Scleroderma 7. Raynaud's phenomenon 8. Carpal tunnel syndrome 9. Tennis elbow (lateral epicondylitis) 10. De Quervain's tenosynovitis
5-2	Joint pain	Osteoarthritis	1. <u>Osteoarthritis</u> 2. Rheumatoid arthritis 3. Gout 4. Bursitis 5. Tendinitis

			6. Baker's cyst 7. Knee ligament injuries 8. Meniscal tears 9. Knee joint infections 10. Obesity
5-3	Joint pain	Systemic lupus erythematosus (SLE)	1. Scleroderma 2. Rheumatoid arthritis <u>3. Systemic lupus erythematosus (SLE)</u> 4. Dermatomyositis 5. Sjögren's syndrome 6. Psoriasis 7. Sunburn 8. Erythema multiforme 9. Rosacea 10. Polyarteritis nodosa
6-1	Vomiting	Small bowel obstruction	1. Gastroenteritis (inflammation of the stomach and intestines, often caused by a viral or bacterial infection) 2. Peptic ulcer disease (ulcers in the lining of the stomach or small intestine) 3. Gastroparesis (delayed emptying of the stomach) 4. Gallbladder inflammation or infection (cholecystitis) 5. Pancreatitis (inflammation of the pancreas) <u>6. Small intestine obstruction</u> 7. Appendicitis (inflammation of the appendix) 8. Diverticulitis (inflammation of small pouches in the intestine) 9. Constipation 10. Irritable bowel syndrome (a disorder that affects the large intestine)
6-2	Vomiting	Subarachnoid hemorrhage	1. Migraine headache 2. Cluster headache

			3. Tension-type headache 4. Acute sinusitis 5. Temporal arteritis 6. Hypertensive crisis <u>7. Subarachnoid hemorrhage</u> 8. Reversible cerebral vasoconstriction syndrome 9. Intracranial hypotension 10. Spontaneous intracranial hypotension
6-3	Vomiting	Bowel obstruction	1. Acute gastroenteritis 2. Acute cholecystitis (inflammation of the gallbladder) 3. Acute pancreatitis <u>4. Small bowel obstruction</u> 5. Mesenteric ischemia (restricted blood flow to the intestine) 6. Inflammatory bowel disease (such as Crohn's disease or ulcerative colitis) 7. Diverticulitis (inflammation of small, bulging sacs in the intestine) 8. Appendicitis 9. Abdominal aortic aneurysm 10. Abdominal abscess
7-1	Ataxia/difficulty walking	Wernicke encephalopathy	1. Alcoholic cerebellar degeneration <u>2. Wernicke-Korsakoff syndrome</u> 3. Intoxication or withdrawal from alcohol or other substances 4. Infection, such as meningitis or encephalitis 5. Vitamin deficiency, such as thiamine deficiency 6. Stroke or transient ischemic attack 7. Multiple sclerosis 8. Brain tumor 9. Chronic alcoholism 10. Neurodegenerative disorders, such as

			Parkinson's disease or multiple system atrophy
7-2	Ataxia/difficulty walking	Cerebral infarction (Wallenberg syndrome)	<u>1. Stroke</u> 2. Transient ischemic attack (TIA) 3. Vertebrobasilar insufficiency 4. Intracerebral hemorrhage 5. Brainstem infarction 6. Multiple sclerosis 7. Brain tumor 8. Acoustic neuroma 9. Migraine 10. Alcoholic cerebellar degeneration
7-3	Ataxia/difficulty walking	Cerebral infarction	<u>1. Stroke (cerebrovascular accident)</u> 2. Transient ischemic attack 3. Vestibular disorder 4. Hypertensive crisis 5. Hypoglycemic episode (related to diabetes) 6. Cardiac arrhythmia 7. Hemorrhage or aneurysm 8. Migraine headache 9. Seizure 10. Infectious or inflammatory condition (such as meningitis or encephalitis)
8-1	Back pain	Nonspecific back pain (musculoskeletal pain)	<u>1. Muscular strain or sprain</u> 2. Lumbar strain 3. Lumbar herniated disc 4. Lumbar spinal stenosis 5. Lumbar degenerative disc disease 6. Osteoarthritis 7. Spondylolisthesis 8. Ankylosing spondylitis 9. Fibromyalgia 10. Psychological factors
8-2	Back pain	Aortic dissection	1. Pulmonary embolism 2. Pneumonia

			<u>3. Aortic dissection</u> 4. Heart attack 5. Hypertensive crisis 6. Spinal cord injury 7. Acute coronary syndrome 8. Pulmonary edema 9. Chronic obstructive pulmonary disease (COPD) 10. Ankylosing spondylitis
8-3	Back pain	Malignant pleural mesothelioma	1. Chronic bronchitis 2. Pneumonia 3. Pulmonary fibrosis 4. Lung cancer 5. Pleural effusion 6. Bronchiectasis 7. Tuberculosis 8. Pulmonary embolism 9. Chronic obstructive pulmonary disease (COPD) 10. Asthma
9-1	Cough	Lung cancer	1. Pneumonia 2. Chronic obstructive pulmonary disease (COPD) 3. Bronchitis 4. Tuberculosis <u>5. Lung cancer</u> 6. Pulmonary embolism 7. Pulmonary fibrosis 8. Heart failure 9. Bronchiectasis 10. Asthma
9-2	Cough	Occupational asthma	1. Allergic bronchitis 2. Bronchitis 3. Sinusitis 4. Acid reflux: Gastroesophageal reflux disease (GERD)

			5. Postnasal drip 6. Upper respiratory infection <u>7. Bronchial asthma</u> 8. Pneumonia 9. Chronic obstructive pulmonary disease (COPD) 10. Pulmonary embolism
9-3	Cough	Mycoplasma pneumonia	<u>1. Pneumonia</u> 2. Bronchitis 3. Tuberculosis 4. Influenza 5. Measles 6. Whooping cough 7. Mumps 8. Pertussis 9. Leptospirosis 10. Q fever
10-1	Dizziness	Benign paroxysmal positional vertigo	<u>1. Benign paroxysmal positional vertigo (BPPV)</u> 2. Vestibular neuritis 3. Meniere's disease 4. Hypotension 5. Anemia 6. Migraine 7. Orthostatic hypotension 8. Dehydration 9. Hypoglycemia 10. Cardiovascular issues
10-2	Dizziness	Benign Paroxysmal Positional Vertigo (BPPV)	<u>1. Benign paroxysmal positional vertigo (BPPV)</u> 2. Vestibular neuritis or labyrinthitis 3. Meniere's disease 4. Stroke or transient ischemic attack (TIA) 5. Cardiovascular problems, such as orthostatic hypotension or arrhythmias 6. Neurological problems, such as multiple

			<p>sclerosis or brainstem compression</p> <p>7. Migraine-associated vertigo</p> <p>8. Drug-induced dizziness</p> <p>9. Anemia or other blood disorders</p> <p>10. Thyroid or other hormonal imbalance</p>
10-3	Dizziness	Benign Paroxysmal Positional Vertigo (BPPV)	<p>1. Benign paroxysmal positional vertigo (BPPV)</p> <p>2. Labyrinthitis</p> <p>3. Vestibular neuritis</p> <p>4. Meniere's disease</p> <p>5. Acoustic neuroma</p> <p>6. Migraine</p> <p>7. Multiple sclerosis</p> <p>8. Stroke</p> <p>9. Transient ischemic attack (TIA)</p> <p>10. Chronic fatigue syndrome</p>