

Table S2. Final diagnosis and the differential-diagnosis lists generated by Chat Generative Pre-Trained Transformers and those created by physicians.

Number	Final diagnosis	Differential-diagnosis list		
		ChatGPT-3	ChatGPT-4	Physicians
1	Tarsal tunnel syndrome	1. Peripheral neuropathy 2. Tarsal tunnel syndrome 3. Lumbar spinal stenosis 4. Diabete 5. Alcohol abuse 6. Vitamin B12 deficiency 7. Hypothyroidism 8. Chronic kidney disease	1. Peripheral neuropathy 2. Tarsal tunnel syndrome 3. Lumbar radiculopathy 4. Small fiber neuropathy 5. Chronic inflammatory demyelinating polyneuropath y (CIDP)	1. Sarcoidosis 2. Chronic inflammatory demyelinating polyradiculone uropathy 3. Diabetic neuropathy 4. Vitamin B12 deficiency 5. Alcoholic neuropathy 6. Paraneoplastic

	9. Multiple sclerosis	6. Complex regional pain syndrome	7. Anti-myelin oligodendrocyte glycoprotein antibody-associated disease
	10. Charcot-Marie-Tooth disease	(CRPS)	7. Peripheral artery disease (PAD)
		7. Charcot-Marie-Tooth disease	8. ANCA-related vasculitis
		8. Polyneuropathy	9. POEMS syndrome
		9. Leprosy	10. Restless legs syndrome
2	Non-episodic angioedema associated with eosinophilia	1. Eosinophilic fasciitis	1. hypereosinophilic syndrome
		2. Acute interstitial nephritis	2. idiopathic peripheral edema
		3. Hypereosinophilia	

	c syndrome	oedema	3. idiopathic
4.	Churg-Strauss syndrome	3. Hypereosinophilic syndrome	angioedema
5.	Idiopathic hypereosinophilic syndrome	4. Eosinophilic granulomatosis with polyangiitis (Churg-Strauss syndrome)	4. cholinergic urticaria
6.	Lymphoma	5. eosinophilic granulomatosis with polyangiitis	5. eosinophilic granulomatosis with polyangiitis : EGPA
7.	Systemic lupus erythematosus	6. parasitic infection	
8.	Sarcoidosis	5. Drug-induced eosinophilia	7. chronic
9.	Infectious mononucleosis	6. Eosinophilic fasciitis (Shulman syndrome)	6. parasitic infection
10.	Allergic reactions	7. Kimura disease	7. chronic eosinophilic leukemia
		8. Drug (include supplement, herabal organs)	8. Drug (include supplement, herabal organs)

- 8. Eosinophilic induced
gastroenteritis hypereosinphil
- 9. Parasitic ic edema
infections 9. tuberculosis
- 10. Systemic 10. viral infection
lupus
erythematosus
(SLE)

- 1. Arterial gas 1. Decompressio 1. air
embolism n sickness embolisation
- 2. Decompression (DCS) 2. decompressio
sickness 2. Gas embolism n sickness
- Decompressio 3. Carbon 3. Acute 3. non-occlusive
n sickness monoxide coronary mesenteric
poisoning syndrome ischemia
- 4. Nitrogen (ACS) (NOMI)
narcosis 4. Gastroenteritis 4. diabetic
- 5. Hypothermia 5. Acute ketoacidosis

- | | | |
|--------------------|----------------|----------------------------|
| 6. Acute | pancreatitis | 5. bacteremia |
| | pancreatitis | 6. Peptic ulcer |
| 7. Mesenteric | disease | 6. bacterial translocation |
| | ischemia | 7. Diabetic |
| 8. Gastroenteritis | ketoacidosis | 7. Acute |
| 9. Gastric ulcer | (DKA) | coronary syndrome |
| 10.Acute | 8. Acute | 8. cholelithiasis |
| | cholecystitis | 9. cholangitis |
| | 9. Mesenteric | 10. cholesterol |
| | ischemia | embolisation |
| | 10. Gastritis | |
| 1. Infection | 1. Infection | 1. Mondor |
| 2. Cancer | 2. Temporal | disease |
| 3. Vasculitis | arteritis | 2. ANCA |
| 4. Connective | 3. Polymyalgia | negative |
| | tissue disease | rheumatica |
| 5. Granulomatous | 4. Vasculitis | Vascuritis (MPA) |
| | disease | 5. Malignancy |
| | | 3. ANCA |

Polyarteritis
nodosa

6. Malignant lymphoma	6. Autoimmune disease	negative Vasculitis (GPA)
7. Thromboembolic disease	7. Subacute bacterial endocarditis	4. Infectious endocarditis
8. Drug-induced fever	8. Drug-induced fever	5. Cryoglobulinemia (due to Multiple Myeloma)
9. Heat-related illness	9. Lymphoma	
10. Unknown fever	10. Inflammatory breast cancer	6. Cryoglobulinemia (due to hepatitis C)
		7. Intravascular lymphoma
		8. Bechet disease
		9. Paraneoplastic syndrome

				10. Breast cancer
		1. Clostridioides	1. Clostridioides	1. Campylobacter enteritis
		difficile infection	difficile infection (CDI)	
	2. Inflammatory bowel disease	2. Inflammatory Bowel Disease	2. Inflammatory Bowel Disease	2. Cytomegalovirus enterocolitis
	3. Diverticulitis	(IBD)	3. Clostridioides	3. Clostridioides
	4. Irritable bowel syndrome	3. Microscopic colitis	difficile infection	4. Acute HIV infection
5	Clostridioides difficile infection	5. Colitis	4. Ischemic colitis	5. Nonsteroidal anti-inflammatory drug-induced colitis
	6. Infectious diarrhea	6. Infectious diarrhea	5. Diverticulitis	
	7. Intestinal obstruction	7. Intestinal obstruction	6. Irritable Bowel Syndrome	
	8. Celiac disease	8. Celiac disease	(IBS)	
	9. Colon cancer	9. Colon cancer	7. Infectious colitis	6. Intestinal Behçet's Disease
	10. Intestinal ischemia	10. Intestinal ischemia	8. Food allergy or	

			intolerance	7. Intestinal lupus
			9. Gastroenteritis	8. Crohn's
			(viral or bacterial)	Disease
			10. Celiac disease	
	1. Adrenal	1. Adrenal		1. Anterior
	insufficiency	insufficiency		cutaneous
	2. Depression	2. Irritable bowel		nerve
	3. Chronic fatigue	syndrome		entrapment
Anterior	syndrome	(IBS)		syndrome
cutaneous	4. Irritable bowel	3. Functional		2. Corticosteroid-
6	syndrome (IBS)	dyspepsia		binding
nerve	5. Fibromyalgia	4. Gastroesopha		globulin
entrapment	6. Anxiety disorder	geal reflux		deficiency
syndrome	7. Gastritis or	disease		3. Inguinal hernia
	peptic ulcer	(GERD)		4. Congenital
	disease	5. Chronic		heart disease
	8. Endometriosis	fatigue		

9. Polycystic ovary syndrome

syndrome (CFS)

(PCOS) 6. Anxiety

10. Inflammatory disorder

bowel disease 7. Somatoform

(IBD) disorder

8. Celiac disease

9. Endometriosis

10. Pelvic

inflammatory

disease (PID)

1. Acute

1. Thyroid-

1. Negative

Upper airway respiratory

related

pressure

obstruction by distress

respiratory

pulmonary

7 the diffusely syndrome

distress

edema

enlarged (ARDS)

2. Chronic

2. Hashimoto's

thyroid 2. Pulmonary

obstructive

thyroiditis

embolism

pulmonary

3. Beriberi heart

3. Hypothyroidism	disease
4. Thyroid storm	(COPD)
5. Acute	3. Congestive
exacerbation of	heart failure
chronic	4. Pneumonia
obstructive	5. Pulmonary
pulmonary	embolism
disease (COPD)	6. Asthma
6. Pneumonia	7. Respiratory
7. Acute heart	acidosis
failure	8. Acute
8. Bronchial	respiratory
asthma	distress
9. Atrial fibrillation	syndrome
10. Pulmonary	(ARDS)
edema	9. Anaphylaxis
	10. Aspiration
	pneumonitis

		1. Neuroleptic	1. wearing off
	1. Malignant	Malignant	phenomenon
	syndrome	Syndrome	of Parkinson's
	2. Parkinson's	(NMS)	Disease
	disease	2. Urinary Tract	2. hypoactive
	3. Poor medication	Infection (UTI)	delirium
	adherence	3. Sarcopenia	3. Disuse
Acute urinary	4. Urinary tract	4. Parkinson's	syndrome
retention	infection	Disease	4. Drug-induced
associated	5. Dehydration	Progression	sarcopenia
with acute	6. Malnutrition	5. Medication	5. Exacerbations
sarcopenia	7. Sarcopenia	Side Effects	of Parkinson's
	8. Impaired	6. Dehydration	disease
	mobility	7. Constipation	6. Drug-induced
	9. Frailty	8. Orthostatic	myopathy
	10. Cognitive	Hypotension	7. hospitalization
	impairment	9. Depression or	induced
		Anxiety	sarcopenia

- 10. Malnutrition
- 8. dementia
- 9. aspiration pneumonia
- 10. Acute kidney injury

- | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> 1. Bladder perforation 2. Peritonitis 3. Urinary tract infection 4. Bowel obstruction 5. Appendicitis 6. Colon cancer recurrence 7. Diverticulitis 8. Pelvic inflammatory | <ul style="list-style-type: none"> 1. Peritonitis 2. Bowel obstruction 3. Bowel perforation 4. Diverticulitis 5. Urinary tract infection (UTI) 6. Radiation enteritis 7. Adhesions 8. Ischemic colitis | <ul style="list-style-type: none"> 1. panperitonitis(due to bladder rupture)(due to post-radiation scar) 2. panperitonitis(due to bladder rupture)(due to bladder cancer) 3. panperitonitis(due to bladder rupture)(due to |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Spontaneous bladder rupture

disease	9. Cholecystitis	rectal cancer
9. Gastrointestinal	10. Appendicitis	metasis)
perforation		4. panperitonitis(
10. Abdominal		due to bladder
trauma		rupture)(due to
		ovarian cancer
		metasis)
		5. panperitonitis(
		due to bladder
		rupture)(due to
		ovarian cancer
		metasis)
		6. panperitonitis(
		due to bladder
		rupture)(due to
		endometrial
		cancer
		metasis)

7. panperitonitis(
due to bladder
rupture)(due to
emphysemato
us cystitis)

8. panperitonitis(
due to bladder
rupture)(due to
injury)

9. panperitonitis(
due to bladder
rupture)(urethr
al obstruction)

10. pelvic
inflammatory
disease

Ulcerated	1. Calciphylaxis	1. Calciphylaxis	1. Systemic
calcinosis cutis	2. Osteomyelitis	2. Tophaceous	sclerosis

3. Septic arthritis	gout	2. Mixed
4. Cellulitis	3. Secondary	connective
5. Pyomyositis	infection	tissue disease
6. Necrotizing	4. Osteomyelitis	3. Microscopic
fasciitis	5. Rheumatoid	polyangiitis
7. Gout	arthritis	4. Infectious
8. Rheumatoid	6. Scleroderma	endcardiitis
arthritis	7. CREST	5. Cutaneous
9. Systemic lupus	syndrome	Mycobacterial
erythematosus	8. Pyogenic	Infections
(SLE)	granuloma	6. Peripheral
10. Raynaud's	9. Vasculitis	artery disease
disease	10. Chronic	7. Bechet
	regional pain	disease
	syndrome	8. Intravascular
	(CRPS)	lymphoma
		9. Skin Cancer
		10. Injury/burn

Hypercalcemia
 caused by
 new-type
 calcium-alkali
 syndrome

- | | | | |
|------------------------------------|--------------------------------|-------------------------------------|----------------------------------------|
| | | | 1. Drug-induced hypercalcemia |
| | | 1. Dehydration | |
| | | 2. Acute kidney injury | 2. Drug-induced somnolence |
| 1. Gastrointestinal (GI) disorders | | 3. Hypercalcemia | 3. Hypercalcemia with multiple myeloma |
| 2. Anemia | 4. Anemia | | |
| 3. Dehydration | 5. Infection | | |
| 4. Hypocalcemia | 6. Medication side effects | 4. Nonconvulsive status epilepticus | |
| 5. Renal failure | 7. Malnutrition | | |
| 6. Hypercalcemia | 8. Worsening vascular dementia | 5. Meningoencephalopathy | |
| 7. Stroke | | | |
| 8. Dementia | | 6. Septic encephalopathy | |
| 9. Medication side effects | 9. Hypomagnesemia | | |
| 10. Osteoporosis | | | |
| | 10. Congestive heart failure | 7. Hypercalcemia with PTH-rp | |
| | | 8. Thrombotic | |

microangiopat

hy

9. Wernicke

encephalopath

y

10. Hashimoto's

encephalopath

y

1. Hemophagocytic 1. B-cell

lymphoma

2. Autoimmune

lymphoproliferative

1. Intravascular

Intravascular

2. Central nervous

system

large B cell

large B-cell

system (CNS) syndrome

lymphoma

lymphoma

lymphoma (ALPS)

3. B-cell 3. Hemophagocytic

lymphoma

4. Multiple lymphohistiocytosis

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myeloma	tosis (HLH)
5. Systemic lupus	4. Systemic
erythematosus	lupus
(SLE)	erythematosus
6. Wegener's	(SLE)
granulomatosis	5. Vasculitis
7. Hepatitis B or C	6. Infectious
8. Malaria	mononucleosi
9. Dengue fever	s
10. Leptospirosis	7. Chronic
	lymphocytic
	leukemia
	(CLL)
	8. Myelodysplasti
	c syndrome
	(MDS)
	9. Paraneoplastic
	syndrome:

10. Central

nervous

system (CNS)

infection or

inflammation

- | | | |
|----------------------------|----------------------------|---------------------------------------------------------------|
| 1. Graves' disease | 1. Hypothyroidism | 1. Myasthenia gravis with Hashimoto's thyroiditis |
| 2. Myasthenia gravis | 2. Myasthenia gravis | 2. Amyotrophic lateral sclerosis with Hashimoto's thyroiditis |
| 3. Hypothyroidism | 3. Polymyositis | 3. Giant cell arteritis |
| 4. Polymyositis | 4. Dermatomyositis | 4. Takayasu's arteritis |
| 5. Inclusion body myositis | 5. Inclusion body myositis | |
| 6. Hyperlipidemia | 6. Muscular dystrophy | |
| 7. Cushing's syndrome | 7. Lambert-Eaton syndrome | |
| 8. Fibromyalgia | | |
| 9. Multiple | | |

Hashimoto
thyroiditis

	sclerosis	8. Multiple	
10. Amyotrophic		sclerosis	
lateral sclerosis	9. Guillain-Barré		
(ALS)	syndrome		
	10. Amyotrophic		
	lateral		
	sclerosis		
	(ALS)		
1. Crohn's	1. Celiac disease	1. Celiac disease	
Disease	2. Inflammatory	2. Wheat allergy	
2. Celiac Disease	bowel disease	3. Hereditary	
3. Pancreatic	(IBD)	angioedema	
Gluten-related	Insufficiency	3. Irritable bowel	4. Ulcerative
disorder	4. Hyperthyroidis	syndrome	colitis
	m	(IBS)	5. Crohn's
5. Tuberculosis	4. Chronic	disease	
6. Addison's	pancreatitis	6. HIV	
Disease	5. Food allergies	7. Lupus enteritis	

- | | | |
|-------------------|-------------------|----------------|
| 7. Anorexia | or intolerances | 8. Intestinal |
| Nervosa | 6. Small | tuberculosis |
| 8. Bulimia | intestinal | 9. Depression |
| Nervosa | bacterial | 10. Anorexia |
| 9. Gastroparesis | overgrowth | nervosa |
| 10. Malignancy | (SIBO) | |
| | 7. Gastrointestin | |
| | al infections | |
| | 8. Eating | |
| | disorders | |
| | 9. Malabsorption | |
| | syndromes | |
| | 10. Addison's | |
| | disease | |
| 1. Pyelonephritis | 1. Pyelonephritis | 1. Piriformis |
| Piriformis | 2. Prostatitis | 2. Complicated |
| abscess | 3. Osteomyelitis | urinary tract |
| | 4. Septicemia | infection |
| | | 1. Piriformis |
| | | muscle |
| | | abscess(due to |
| | | infectious |

- | | | |
|------------------------------------|---------------------------------|-----------------------------------------------------|
| 5. Cellulitis | 3. Prostatitis | endocarditis) |
| 6. Epidural abscess | 4. Septic arthritis | 2. Piriformis muscle |
| 7. Discitis | 5. Epidural abscess | abcess(due to |
| 8. Spondylodiscitis | 6. Vertebral osteomyelitis | 3. direct infiltration of |
| 9. Staphylococcus aureus infection | 7. Psoas abscess | renal abcess) |
| 10. Piriformis syndrome | 8. Discitis | 4. Piriformis muscle |
| | 9. Diverticulitis | abcess(due to |
| | 10. Pelvic inflammatory disease | 5. direct infiltration of pressure ulcer infection) |

Drug-induced

16

interstitial lung disease

- | | | |
|-----------------------|-------------------------|-------------------------|
| 1. Pulmonary embolism | 1. Pneumonia | 1. irAe: Immune-related |
| 2. Pneumonia | 2. COVID-19 | Adverse |
| 3. Metastatic | 3. Pulmonary metastasis | Events |

lung cancer	4. Drug-induced	2. Drug-induced
4. Gastrointestin	lung injury	lung injury
al bleeding	5. Pulmonary	3. Radiation-
5. Hypoalbumine	embolism	induced lung
mia	6. Radiation	injury
6. Thyroid cancer	pneumonitis	4. cancer related
7. Chronic	7. Bronchitis	lymphangitis
obstructive	8. Diverticular	5. organizing
pulmonary	bleeding	pneumonia
disease	9. Lower	6. Pneumocystis
(COPD)	gastrointestina	Jirovecii
8. Pulmonary	I bleeding	Pneumonia
fibrosis	10. Thyroid	7. Invasive fungal
9. Bronchitis	disorder	infection
10. COVID-19		8. atypical
		pneumonia
		9. community
		acquired

					pneumonia
					10. tuberculosis
		1. Bell's palsy	1. Bell's Palsy		1. stroke of brain
		2. Trigeminal	2. Guillain-Barré		stem
		neuralgia	Syndrome		2. bilateral facial
		3. Stroke	3. Lyme Disease		nerve
		4. Temporal	4. Ramsay Hunt		paralysis
		arteritis	Syndrome		3. neurosyphilis
		5. Migraine	5. Brainstem		4. Bell's palsy
			Stroke		
17	Bell's palsy	6. Cluster	6. Diabetic		5. giant cell
		headache	Neuropathy		arthritis
		7. Sinusitis	7. Sarcoidosis		6. encephalopath
		8. Myasthenia	8. Multiple		y
		gravis	Sclerosis		7. drug-induced
		9. Lyme disease	9. Myasthenia		neuropahy
		10. Ramsay Hunt	Gravis		8. parkinson's
		syndrome	10. Vasculitis		disease

18

Gastric
anisakis

- | | | | |
|--------------------|--------------|--------------------|-------------------|
| 1. Gastric | | 1. Anisakiasis | |
| | Anisakiasis | | |
| | | 2. Gastroenteritis | |
| 2. Acute Gastritis | | | |
| | | 3. Acute gastritis | |
| 3. Peptic Ulcer | | | |
| | Disease | 4. Peptic ulcer | |
| | | | disease |
| 4. Acute | | | |
| | Pancreatitis | 5. Acute | |
| | | | 1. Gastric |
| | | | anisakiasis |
| 5. Gastroenteritis | | 6. Acute | |
| | | | 2. Acute gastric |
| 6. Cholecystitis | | | mucosal lesion |
| | | 7. Acute | |
| 7. Acute | | | 3. Gastric cancer |
| | Appendicitis | | |
| | | 8. Peritonitis | |
| 8. Biliary Colic | | | |
| | | 9. Bowel | |
| 9. Intestinal | | | |
| | Obstruction | | |
| | | 10. Ectopic | |
| 10. Acute | | | |
| | Myocardial | | |
| | | | pregnancy |
| | Infarction | | |

19

Acute

- | | | |
|-----------|-------------|----------|
| 1. Stroke | 1. Ischemic | 1. Brain |
|-----------|-------------|----------|

ischaemic	2.	Hemispatial	Stroke	Infarction(right
stroke		neglect	2. Transient	inferior parietal
	3.	Traumatic	Ischemic	lobule)
		brain injury	Attack (TIA)	2. Cerebral sinus
	4.	Brain tumor	3. Hemianopia	thrombosis
	5.	Dementia	4. Hemispatial	3. Hypertensive
	6.	Encephalitis	neglect	encephalopath
	7.	Migraine	5. Seizure	y
	8.	Parkinson's	6. Migraine with	4. Moyamoya
		disease	aura	disease
	9.	Multiple	7. Brain tumor	5. cerebral
		sclerosis	8. Encephalitis	arteriovenous
	10.	Alzheimer's	9. Dementia	malformation
		disease	10. Functional	
			neurological	
			disorder	
Achenbach	1.	Raynaud's	1. Idiopathic	1. Achenbach
Syndrome		disease	spontaneous	syndrome

- | | | | | | |
|-----|------------------------------------------------|------------------------|------------------------------|--------|------------------------|
| 2. | Thromboangiitis obliterans (Buerger's disease) | subcutaneous hematomas | 2. | Scurvy | |
| 3. | Vasculitis | 2. | Hereditary angioedema | 3. | von Willebrand disease |
| 4. | Hypereosinophilic syndrome | 3. | Acute idiopathic blue finger | | |
| 5. | Scleroderma | 4. | Raynaud's phenomenon | | |
| 6. | Cryoglobulinemia | 5. | Erythromelalgia | | |
| 7. | Lupus | 6. | Paroxysmal hand hematoma | | |
| 8. | Acute compartment syndrome | 7. | Vasculitis | | |
| 9. | Deep vein thrombosis | 8. | Pseudoxanthoma elasticum | | |
| 10. | Hemophilia | 9. | Ehlers-Danlos | | |

syndrome

10. Heme-related

disorders

- | | | | |
|-----------------------------------------|-------------------------|---------------------------------------|--|
| 1. Baker's cyst | 1. Baker's cyst | | |
| 2. Popliteal artery aneurysm | (Popliteal cyst) | 2. Calf muscle | |
| 3. Popliteal vein aneurysm | tear or strain | 1. Rupture of Baker cyst | |
| 4. Popliteal artery entrapment syndrome | 4. Bursitis | 2. Septic arthritis of the knee | |
| | 5. Tendinitis | 3. Osteoarthritis of the knee | |
| | 6. Osteoarthritis | 4. Elderly-onset rheumatoid arthritis | |
| 5. Thrombophlebitis | 7. Meniscal tear | | |
| | 8. Knee ligament injury | | |
| 6. Torn meniscus | 9. Gastrocnemius muscle | | |
| | | | |
| 7. Osteoarthritis | 10. Nerve | | |
| 8. Rheumatoid arthritis | | | |
| 9. Gout | | | |

Ruptured

21

Baker's cyst

		10. Septic arthritis		entrapment	
		1. Syndrome of inappropriate antidiuretic hormone secretion (SIADH)	1. Syndrome of Inappropriate Antidiuretic Hormone Secretion (SIADH)	1. Duloxetine induced SIADH	
				2. NaCl intake deficiency	
				3. severe hypovolemia	
	Syndrome of inappropriate secretion of antidiuretic hormone	2. Drug-induced hyponatremia	2. Medication-induced hyponatremia	4. Malignancy induced SIADH	
22		3. Adrenal insufficiency	3. Chronic kidney disease	5. liver cirrhosis	
		4. Hypothyroidism	4. Hypothyroidism	6. hyperglycemia	
		5. Multiple myeloma	5. Adrenal insufficiency	7. cerebral salt wasting syndrome	
		6. Chronic kidney disease	6. Diabetic neuropathy	8. Corticosteroid-binding	
		7. Congestive			

	heart failure	7. Vitamin B12	globulin
8.	Liver disease	deficiency	deficiency
9.	Dehydration	8. Peripheral	9. renal tubular
10.	Infection	neuropathy	acidosis
		9. Anxiety and	
		depression	
		10. Drug	
		interactions	
1.	Costochondritis	1. Sapho	1. Tietze
	s	Syndrome	syndrome
2.	Sterno-	2. Osteoarthritis	2. Osteomyelitis
	clavicular joint	3. Seronegative	of
	arthritis	Spondyloarthr	sternocostocla
3.	Polymyalgia	opathy	vicular joint
	rheumatica	4. Costochondritis	3. Sternoclavicul
4.	Giant cell	s	ar joint
	arteritis	5. Tietze	dislocation(du
5.	Rheumatoid	Syndrome	e to injury)

SAPHO
syndrome

- | | | | |
|-----|--------------|-------------------|-----------------|
| | arthritis | 6. Infectious | 4. Rheumatoid |
| 6. | Ankylosing | Arthritis | arthritis |
| | spondylitis | 7. Sternoclavicul | 5. Palmoplantar |
| 7. | Sarcoidosis | ar Septic | pustulosis |
| 8. | Vasculitis | Arthritis | |
| 9. | Fibromyalgia | 8. Angina | |
| 10. | Myocardial | Pectoris | |
| | infarction | 9. Myocardial | |
| | | Infarction | |
| | | 10. Inflammatory | |
| | | Myopathy | |
| 1. | Cryptococcal | 1. Cryptococcal | |
| | meningitis | meningitis | |
| 2. | Systemic | 2. Cellulitis | 1. Cryptococcal |
| | fungal | 3. Immunosuppr | meningitis |
| | infection | ession-related | 2. HIV |
| 3. | Bacterial | infections | |
| | infection | 4. Cytomegalovir | |

Cryptococcal

24

meningitis

4. Osteomyelitis us (CMV)

5. Sepsis infection

6. Drug reaction 5. Drug-induced

7. Endocarditis fever

8. Acute renal failure 6. Urinary tract infection (UTI)

9. Diabetes mellitus 7. Bacterial meningitis

complications 8. Endocarditis

10. Immunocompromised state 9. Osteomyelitis 10. Deep vein

thrombosis

(DVT)

1. Ischemic Stroke 1. Lateral medullary syndrome 1. Vertebral artery

Vertebral

Stroke

medullary

artery

25

artery

2. Vertebral Artery Dissection

1. Lateral medullary syndrome (Wallenberg syndrome)

dissection

(due to

levofloxacin)

dissection

Dissection

- | | | |
|-------------------------------------|-------------------------------|---------------------------|
| 3. Multiple Sclerosis | 2. Vertebral artery | 2. Vertebralis artery |
| 4. Brain Tumor | dissection | dissection |
| 5. Guillain-Barre Syndrome | 3. Cerebellar infarction | (due to hypertension) |
| 6. Lyme Disease | 4. Brainstem stroke | 3. Ehlers-danlos syndrome |
| 7. Syringomyelia | 5. Intracranial hemorrhage: | 4. Syphilitic aortitis |
| 8. Cervical Disc Herniation | 6. Multiple sclerosis | 5. Autosomal dominant |
| 9. Arteriovenous Malformation (AVM) | 7. Infection or inflammation | polycystic kidney disease |
| 10. Transient Ischemic Attack (TIA) | of the central nervous system | |
| | 8. Vasculitis | |
| | 9. Cervical artery | |

dissection

10. Complication

from

levofloxacin

26

SAPHO
syndrome

- | | | |
|-----------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------|
| 1. Chronic
osteomyelitis | 1. SAPHO
syndrome | 1. SAPHO
syndrome |
| 2. Sternocostoclavicu-
lar
hyperostosis | (Synovitis,
Acne,
Pustulosis,
Hyperostosis,
Osteitis) | 2. ankylosing
spondylitis
3. seronegative
arthritis |
| 3. SAPHO
syndrome | | including
psoriatic
arthritis |
| 4. Tietze
syndrome | 2. Chronic
osteomyelitis | |
| 5. Fibromyalgia | 3. Sternoclavicular
joint septic
arthritis | 4. Reactive
arthritis (i.e.
due to syphilis) |
| 6. Costochondritis | | |
| 7. Coronary
artery disease | 4. Inflammatory
chest wall | 5. PMR
6. Diabetic |

8. Angina	syndrome	thoracic
9. Myocardial	(Tietze's	radiculopathy
infarction	syndrome or	7. Teitze
(heart attack)	costochondriti	syndrome
10. Rheumatoid	s)	8. TAFRO
arthritis	5. Psoriatic	syndrome
	arthritis	9. Malignant
	6. Ankylosing	lymphoma
	spondylitis	
	7. Atypical	
	angina or	
	coronary	
	artery disease	
	8. Fibromyalgia	
	9. Osteoarthritis	
	of the	
	sternoclavicula	
	r joint	

		10. Non-specific	
			chest wall pain
	1. Ventilator-associated pneumonia	1. Ventilator-associated pneumonia	1. Hypereosinophilic syndrome due to hypersensitivity to daptomycin/vancomycin
	2. Drug-induced erythema	(VAP) 2. Methicillin-resistant coagulase-negative Staphylococcal infection	2. Hypereosinophilic syndrome due to hypersensitivity to stent graft
Cholesterol crystal embolization syndrome	3. Methicillin-resistant coagulase-negative staphylococcal infection	3. Drug-induced erythema	3. Eosinophilic granulomatosis with polyangiitis
	4. Acute tubulointerstitial nephritis	4. Acute kidney injury (AKI)	
	5. Eosinophilic vasculitis	5. Drug-induced tubulointerstitial	

- | | | |
|------------------------------|-------------------------------------------------|------------------------------|
| 6. Alcoholic hepatitis | al nephritis | 4. Infective endocarditis |
| 7. Thoracic aneurysm rupture | 6. Eosinophilic vasculitis | 7. Urinary tract obstruction |
| 8. Urinary tract obstruction | 8. Drug reaction with eosinophilia | |
| 9. Hypertension | and systemic symptoms (DRESS) syndrome | |
| 10. Proteinuria | 9. Leukocytoclastic vasculitis | |
| | 10. Systemic lupus erythematosus (SLE) or other | |

autoimmune

diseases

- | | | |
|--------------------------------------------|--------------------------------------------|------------------------------------|
| 1. Acute
appendicitis | 1. Acute
appendicitis | 1. Acute
appendicitis |
| 2. Urinary tract
infection (UTI) | 2. Gastroenteritis | 2. Diverticulitis |
| 3. Gastroenteritis | 3. Food
poisoning | 3. Acute enteritis |
| 4. Sushi-related
food poisoning | 4. Urinary tract
infection (UTI) | 4. E. coli
enterocolitis |
| 5. Acute cystitis | 5. Prostatitis | 5. Intestinal
Behcet
disease |
| 6. Pyelonephritis | 6. Diverticulitis | 6. intestinal
tuberculosis |
| 7. Pelvic
inflammatory
disease (PID) | 7. Pelvic
inflammatory
disease (PID) | 7. Crohn disease |
| 8. Diverticulitis | 8. Kidney stones | 8. ulcerative
colitis |
| 9. Kidney stones | 9. Irritable bowel
syndrome
(IBS) | 9. Fitting of a
cuspid in the |
| 10. Inflammatory
bowel disease | | |

Urachal
remnant

	(IBD)	10. Inflammatory bowel disease (IBD)	appendix
1.	Umbilical infection	1. Infected urachal cyst	1. Abscess of umbilicus
2.	Umbilical abscess	2. Umbilical abscess	2. Subcutaneous abscess
3.	Omphalitis	3. Umbilical	3. Infectious
4.	Umbilical granuloma	hernia 4. Omphalitis	endcardiitis 4. Cutaneous
5.	Umbilical hernia	5. Periumbilical cellulitis	Mycobacterial Infections
6.	Diverticulitis	6. Infected	5. Pelvic
7.	Appendicitis	epidermoid cyst	inflammatory disease
8.	Pelvic inflammatory disease (PID)	7. Ectopic endometriosis	6. Sister Mary Joseph's
9.	Gastroenteritis	8. Intra-	nodule

10. Crohn's abdominal
disease abscess

9. Diverticulitis

10. Pelvic

inflammatory

disease (PID)

1. Drug-induced

liver injury

(DILI)

1. Drug-induced

liver injury

(DILI)

1. Drug-induced

jaundice

2. Hepatitis E

2. Autoimmune

2. Liver

3. Alcoholic liver

hepatitis

tuberculosis

Drug-induced

disease

3. Primary biliary

3. Drug-induced

liver injury

4. Primary biliary

cholangitis

hemolytic

cholangitis

(PBC)

anemia

(PBC)

4. Primary

4. Autoimmune

5. Primary

sclerosing

hemolytic

sclerosing

cholangitis

anemia

cholangitis

(PSC)

- (PSC)
- 5. Gilbert's syndrome
- 6. Wilson's disease
- 6. Hemolytic anemia
- 7. Autoimmune hepatitis
- 7. Alcoholic liver disease
- 8. Acute liver failure
- 8. Non-alcoholic fatty liver disease
- 9. Cholangiocarcinoma
- 9. Hemochromatosis (NAFLD)
- 9. Hepatic steatosis
- 10. Cholestatic liver disease

- | | | | |
|------------------|---------------------|-----------------------|------------------------|
| Behçet's disease | 1. Behçet's disease | 1. Behçet's disease | 1. Behçet's disease |
| disease | 2. Sarcoidosis | 2. Reactive arthritis | 2. Psoriatic arthritis |
| | 3. Reactive | | |

- | | | | |
|-----|---------------|------------------|-----------------|
| | arthritis | 3. Sarcoidosis | 3. Reactive |
| 4. | Psoriatic | 4. Ankylosing | arthritis |
| | arthritis | spondylitis | 4. Cogan's |
| 5. | Rheumatoid | 5. Inflammatory | syndrome |
| | arthritis | bowel disease | 5. Adult onset |
| 6. | Systemic | (IBD) | Still's disease |
| | lupus | 6. Systemic | 6. Salmonella |
| | erythematosus | lupus | infection |
| | (SLE) | erythematosus | |
| 7. | Infectious | (SLE) | |
| | arthritis | 7. Rheumatoid | |
| 8. | Vasculitis | arthritis | |
| 9. | Ankylosing | 8. Psoriatic | |
| | spondylitis | arthritis | |
| 10. | Gout | 9. Lyme disease | |
| | | 10. Tuberculosis | |
| | | (TB) | |

leptospirosis	2. Hepatitis	2. Viral infections	i disease
	3. Urinary tract infection	3. Bacterial infections	2. Japanese spotted fever
	4. Sepsis	4. Tick-borne illnesses	3. Severe fever with
	5. Thrombocytopenia	5. Drug-induced liver injury	thrombocytopenia syndrome
	6. Acute kidney injury	6. Autoimmune diseases	4. Tick-borne Relapsing
	7. Gastrointestinal bleeding	7. Chikungunya virus	Fever
	8. Drug-induced liver injury	8. Acute kidney injury	5. Dengue fever
	9. Dengue fever	9. Hemophagocytic lymphohistiocytosis (HLH)	6. Zika fever
	10. Leptospirosis	10. Malaria	7. Infectious endocarditis
			8. Rapidly progressive glomerulonephritis

			9. Hepatitis A
			10. Hepatitis E
	1. Clozapine-	1. Clozapine-	1. drug fever
	induced	induced	2. drug induced
	eosinophilia	agranulocytosis	acute kidney
	and systemic	symptoms	injury
	(CESS) or	leukocytosis	3. drug induced
	Drug Reaction	2. Lithium toxicity	hypereosinoph
	with	3. Infection	ilia
Drug-induced	Eosinophilia	4. Drug-induced	4. Drug-induced
eosinophilia	and Systemic	liver injury	intestinal
	Symptoms	5. Nephritis	or pneumonia
	(DRESS)	nephrotic	5. aspiration
	syndrome	syndrome	pneumonia
	2. Clozapine-	6. Eosinophilic	6. hypercalcemia
	induced	pneumonia	7. bacteremia
	neutropenia	7. Pleuritis	or 8. infective
		pericarditis	endocarditis

- 3. Clozapine-induced agranulocytosis
- 4. Infectious mononucleosis
- 5. Acute bronchitis
- 6. Pneumonia
- 7. Acute pyelonephritis
- 8. Acute hepatitis
- 9. Acute renal failure
- 10. Acute pancreatitis
- 8. Systemic inflammatory response syndrome (SIRS) or sepsis
- 9. Drug-induced hypersensitivity syndrome (DIHS)
- 10. Autoimmune or vasculitis disorders
- 9. organizing pneumonia

c	vein	thrombosis	cava	tumor
thrombosis		(DVT)	syndrome	secondary to
		2. Thrombophleb	(SVCS)	metastasis
		itis	2. Thrombophleb	2. Primary
		3. Superior vena	itis	pancoast
		cava (SVC)	3. Recurrent/met	tumor from
		syndrome	astatic	lung cancer
		4. Metastatic	squamous cell	3. Tuberculoma
		cancer	carcinoma	4. Methothelioma
		5. Lung cancer	4. Infection	5. Lung abscess
		6. Squamous cell	5. Deep vein	6. Lemierre
		carcinoma	thrombosis	syndrome
		7. Infection	(DVT)	7. Trousseau
		8. Thrombosis	6. Pulmonary	syndrome
		9. Malignancy-	infection	
		associated	7. Lymphadenop	
		thrombosis	athy	
		10. Pulmonary	8. Paraneoplastic	

embolism syndrome

(although this 9. Venous stasis

has been ruled 10. Sepsis

out in this

case)

- | | | |
|---------------------------|----------------------------------|--------------------------------------------------|
| 1. Bacterial meningitis | 1. Tuberculous meningitis | 1. Tuberculous meningitis |
| 2. Tuberculous meningitis | 2. Bacterial meningitis | 2. Encephalopathy (due to imipenem + cilastatin) |
| 3. Sepsis | 3. Viral meningitis | 3. Hypercalcemia (due to Tb) |
| 4. Encephalitis | 4. Encephalitis | 4. Carcinomatous meningitis |
| 5. Miliary tuberculosis | 5. Sepsis | 5. Nonconvulsive status epilepticus |
| 6. Delirium | 6. Pneumonia | |
| 7. Stroke | 7. Urinary tract infection (UTI) | |
| 8. Brain abscess | 8. Endocarditis | |
| 9. Hepatic encephalopathy | 9. Brain abscess | |

Miliary

35

tuberculosis

Vertebral
osteomyelitis

- | | | |
|------------------|---------------------|--------------------|
| y | 10. Electrolyte | 6. Myxedema |
| 10. Metastatic | imbalance | coma |
| cancer | | |
| 1. Spinal | 1. Vertebral | |
| osteomyelitis | osteomyelitis | |
| 2. Discitis | 2. Spinal epidural | |
| 3. Psoas | abscess | |
| abscess | 3. Discitis | |
| 4. Urinary tract | 4. Psoas muscle | 1. Acute infective |
| infection (UTI) | abscess | endocarditis |
| 5. Bacteremia | 5. Pyelonephritis | 2. Vertebral |
| 6. Hepatitis B | 6. Urinary tract | osteomyelitis |
| 7. Compression | infection (UTI) | and discitis |
| fractures | 7. Retroperitonea | |
| 8. Methicillin- | I abscess | |
| sensitive | 8. Prostatitis | |
| Staphylococcus | 9. Septic arthritis | |
| aureus | 10. Malignancy | |

(MSSA)

infection

9. Sepsis

10. Dehydration

- | | | |
|------------------|--------------------|-----------------|
| 1. Vibrio | 1. Bacteremia | 1. Acute heart |
| cincinnatiensis | 2. Skin and soft | failure caused |
| infection | tissue infection | by Vibrio |
| 2. Pseudomonas | (cellulitis) | cincinnatiensis |
| aeruginosa | 3. Congestive | bacteremia |
| infection | heart failure | 2. Cellulitis |
| 3. Septicemia | 4. Sepsis | caused by |
| 4. Cellulitis | 5. Pneumonia | Vibrio |
| 5. Heart failure | 6. Diabetic | cincinnatiensis |
| exacerbation | complications | and |
| 6. Pleural | 7. Liver cirrhosis | Pseudomonas |
| effusion | 8. Kidney | aeruginosa |
| 7. Ascites | dysfunction | 3. Acute septic |
| 8. Bacteremia | 9. Deep vein | cardiomyolitis |

Vibrio

37

cincinnatiensis

infection

9. Diabetes	thrombosis	caused by
complications	(DVT)	Vibrio
10. Sepsis	10. Endocarditis	cincinnatiensis
		bacteremia
		4. infective
		endocarditis
		5. diabetic
		cardiomyolitis
		6. Takotsubo
		cardiomyolitis
		7. perivalvular
		abscess
		8. pulmonary
		embolism
		9. septic
		pulmonary
		embolism

ural fistula

cancer

ural fistula

pleural

2. Pulmonary

2. Pleural

effusion

embolism

effusion due to

caused by

3. Pleural

chronic

rupture of the

effusion

pancreatitis

pancreatic

4. Acute

3. Pneumonia

pseudocyst

myocardial

4. Pulmonary

2. Pancreatic

infarction

embolism

pleural

5. Pneumothorax

5. Heart failure

effusion from

6. Cardiac

6. Lung cancer

pancreatic

tamponade

7. Tuberculosis

cancer

7. Aortic

8. Atelectasis

3. Pancreatic

dissection

9. Pulmonary

pleural

8. Pulmonary

edema

effusion from

fibrosis

10. Chronic

chronic

9. Lung cancer

obstructive

pancreatitis

10. Bronchitis

pulmonary

4. Pancreatic

disease

pleural

		(COPD)	effusion from
			intraductal
			papillary
			mucinous
			neoplasm
	1. Cerebral	1. Cerebral	1. superior
	venous sinus	venous sinus	sagittal sinus
	thrombosis	thrombosis	and left lateral
	(CVST)	(CVST)	sinus
	2. Meningitis	2. Migraine	thrombosis
Cerebral	3. Subarachnoid	3. Tension	2. subarachnoid
venous	hemorrhage	headache	hemorrhage
thrombosis	(SAH)	4. Idiopathic	3. crowned
	4. Brain tumor	intracranial	dence
	5. Migraine	hypertension	syndrome
	headache	(IIH)	4. migraine
	6. Cluster	5. Brain tumor	5. cervical
	headache	6. Infection or	spondylosis

- | | | | | |
|-----|-----------------|------------------|----|-----------------|
| 7. | Intracranial | inflammation | 6. | cluster |
| | hypertension | (e.g., | | headache |
| 8. | Encephalitis | meningitis, | 7. | tension |
| 9. | Chiari | encephalitis) | | headache |
| | malformation | 7. Subarachnoid | 8. | great occipital |
| 10. | Arteriovenous | hemorrhage | | neuralgia |
| | malformation | 8. Sinusitis | | |
| | (AVM) | 9. Medication | | |
| | | overuse | | |
| | | headache | | |
| | | 10. Cluster | | |
| | | headache | | |
| 1. | Viral infection | 1. Cytomegalovir | 1. | Drug-induced |
| 2. | Infectious | us (CMV) | | hypersensitivit |
| | mononucleosi | infection | | y syndrome |
| | s | 2. Epstein-Barr | 2. | Infective |
| | | virus (EBV) | | mononucleosi |
| 3. | Bacterial | infection | | s like |
| | infection | | | |

Acute

40

cytomegalovir

us infection

- | | | |
|------------------|--------------------|------------------|
| 4. Thyroiditis | 3. Influenza | syndrome due |
| 5. Asthma | 4. Atypical | to CMV |
| exacerbation | pneumonia | reactivation |
| 6. Drug reaction | 5. Drug-induced | 3. Infective |
| 7. Urinary tract | fever | mononucleosi |
| infection | 6. Viral hepatitis | s like |
| 8. Septicemia | 7. Autoimmune | syndrome due |
| 9. Non-specific | disease | to HIV |
| fever | 8. Bacterial | 4. Modified |
| 10. COVID-19 | infection | measles |
| | 9. Vasculitis | 5. Rubella |
| | 10. Tick-borne | 6. Toxoplasmosis |
| | illness | 7. Mycoplasma |
| | | pneumoniae |
| | | infection |

Fitz-Hugh-
Curtis
syndrome

1. Chlamydia infection
2. Pelvic

1. Pelvic inflammatory disease (PID)

1. Fitz-Hugh-
Curtis
syndrome

- inflammatory disease (PID)
- 2. Ectopic pregnancy
- 2. Pulmonary embolism
- 3. Gallbladder disease
- 3. Appendicitis
- 4. Hepatitis
- 4. Cholecystitis
- 5. Appendicitis
- 5. Pyelonephritis
- 6. Ectopic pregnancy
- 6. Peritonitis
- 7. Ovarian cyst
- 7. Pleurisy
- 8. Kidney infection or stone
- 8. Liver abscess
- 9. Pancreatitis
- 9. Pneumonia
- 10. Musculoskeletal pain
- 10. Musculoskeletal pain

- 42 Aortic intramural haematoma
- 1. Aortic Dissection
- 1. Aortic dissection
- 1. aortopulmonary connective sheath
- 2. Aortic Dissection
- 2. Intramural

ute	aortic	Aneurysm	hematoma	hematoma
syndrome	3.	Myocardial	3. Aortic	2. aortic
aortic		Infarction	aneurysm	dissection
dissection	4.	Pulmonary	4. Thoracic aortic	3. Acute
		Embolism	injury	coronary
	5.	Acute	5. Acute	syndrome
		Pancreatitis	coronary	4. Takayasu
	6.	Peptic Ulcer	syndrome	arthritis
		Disease	(ACS)	5. giant cell
	7.	Aortic Rupture	6. Unstable	arthritis
	8.	Pneumothorax	angina	6. aortic
	9.	Spinal Cord	7. Myocardial	aneurysm
		Compression	infarction	7. Microvascular
	10.	Acute	8. Pulmonary	stenosis
		Cholecystitis	embolism	
			9. Musculoskeletal	
			al pain	
			10. Pericarditis	

				1. Vasculitis of the arteries feeding the gallbladder fossa
		1. Bile leak	1. Postoperative infection	
		2. Gallstone ileus		2. gallbladder fossa abscess
		3. Gallbladder cancer	2. Biliary leak 3. Abscess	
		4. Postoperative infection	4. Bile duct injury 5. Retained gallstones	3. cholangiocarci noma
43	A seroma in the gallbladder fossa	5. Pancreatitis	6. Biliary obstruction	4. cholangitis
		6. Cholangitis	7. Bowel obstruction	5. IgG4 related cholangitis
		7. Acute hepatitis	8. Cholangitis	6. ANCA associated vasculitis
		8. Liver abscess	9. Gastroenteritis	
		9. Duodenitis	10. Pancreatitis	7. bile duct sarcoidosis
		10. Perforated peptic ulcer disease		
44	Idiopathic	1. Meningitis	1. Central	1. Giant cell

hypertrophic	2.	Encephalitis	nervous	arteritis	with	
pachymeningiti	3.	Cerebral	system (CNS)	PMR		
s		edema	vasculitis	2.	Central	
	4.	Granulomatosi	2.	Giant cell	nervous	
		s with	arteritis (GCA)	system		
		polyangiitis	3.	Infections such	lymphoma	
		(GPA)	as meningitis	3.	HTLV-1	
	5.	Sarcoidosis	or encephalitis	infection		
	6.	Lymphoma	4.	Neurosarcoido	4.	Glucocorticoid
	7.	Idiopathic	sis	withdrawal		
		intracranial	5.	Autoimmune		
		hypertension	encephalitis			
		(IIH)	6.	Chronic		
	8.	Multiple	meningitis			
		sclerosis (MS)	7.	Paraneoplastic		
	9.	Lupus	syndromes			
		cerebritis	8.	Idiopathic		
	10.	Neurosarcoido	hypertrophic			

Achenbach syndrome.

- | | | | |
|-----|-------------|-------------------|------------------|
| | sis | pachymeningit | |
| | | is (IHPM) | |
| | | 9. Lymphomatou | |
| | | s meningitis | |
| | | 10. Intracranial | |
| | | hypotension | |
| 1. | Trauma | 1. Traumatic | |
| | | injury | |
| 2. | Raynaud's | 2. Insect bite or | 1. Achenbach's |
| | disease | sting | syndrome |
| 3. | Thrombosis | 3. Spontaneous | 2. Trauma of the |
| 4. | Aneurysm | hematoma | finger |
| 5. | Vasculitis | 4. Paronychia | 3. Subcutaneous |
| 6. | Infection | 5. Raynaud's | bleeding with |
| 7. | Gout | phenomenon | wWF |
| 8. | Lupus | 6. Vasculitis | deficiency |
| 9. | Scleroderma | 7. Acute gout | |
| 10. | Cancer | 8. Tendonitis | |

9. Cellulitis:

10. Foreign body

reaction

- | | | |
|-------------------------------------------------|-----------------------------------------|------------------------------------|
| 1. Pulmonary Embolism | 1. Pulmonary embolism | 1. Pulmonary embolism |
| 2. Heart failure | 2. Congestive heart failure | 2. syncope |
| 3. Aortic stenosis | | induced by |
| 4. Arrhythmia | 3. Cardiac arrhythmia | vasovagal reflexion |
| 5. Pneumonia | | |
| 6. Chronic obstructive pulmonary disease (COPD) | 4. Dehydration or electrolyte imbalance | 3. Orthostatic hypotention |
| | 5. Vasovagal syncope | 4. sycope |
| | | induced by |
| | | arrythmia (i.e. complete AV block) |
| 7. Asthma | 6. Orthostatic hypotension | |
| 8. Hypotension | | |
| 9. Anemia | 7. Anemia | 5. cerebrospinal |
| 10. Dehydration | 8. Anxiety or | fluid |

Acute

46

pulmonary

embolism

panic attack

hypovolemia

9. Chronic

6. subcravian

obstructive

steel

pulmonary

syndrome

disease

7. Vagus nerve

(COPD)

reflex caused

10. Pneumonia

by arterial

sinus

compression

1. Spinal

1. Metastatic

1. multiple bone

Epidural

cancer

metastasis

Abscess

2. Infectious

caused by

2. Spinal Cord

spondylodisciti

Borrmann type

Compression

s

II tumor

3. Osteomyelitis

3. Tuberculosis

2. multiple bone

(infection of

4. Bacterial

metastasis

the bone)

endocarditis

caused by

4. Septicemia

5. Brucellosis

prostate

(bloodstream	6. Multiple	cancer
infection)	myeloma	3. Erdheim-
5. Metastatic	7. Lymphoma	Chester
cancer to the	8. Osteomyelitis	disease
bone	9. Sarcoidosis	4. TAFRO
6. Multiple	10. Vasculitis	syndrome
myeloma		5. antibiotics
(cancer of		induced lower
plasma cells)		limbs paralysis
7. Lymphoma		6. post
(cancer of the		laminectomy
lymphatic		abscess
system)		7. bacterial
8. Malignant		osteomyelitis
bone tumor		8. osteomyelitis
(e.g.,		caused by
osteosarcoma)		tuberculosis
9. Neurological		9. osteomyelitis

disorder (e.g., multiple sclerosis) caused by non-tuberculosis

10. Infective endocarditis (infection of the heart valves) caused by mycobacterium

- | | | |
|------------------------|------------------------|-------------------------------|
| 1. Vestibular Neuritis | 1. Labyrinthitis | 1. Ramsay Hunt syndrome |
| 2. Benign Paroxysmal | 2. Vestibular neuritis | 2. Cholesteatoma with chronic |
| | 3. Meniere's disease | otitis media |

Ramsay Hunt syndrome

- | | | |
|---------------------------|------------------------------------------------|-----------------------------------------------------|
| Positional Vertigo (BPPV) | 4. Benign paroxysmal positional vertigo (BPPV) | 3. Mycoplasma infection and Guillain-Barre syndrome |
| 3. Meniere's Disease | | |
| 4. Cervical | 5. Ramsay Hunt | 4. Vasculitis |

	Vertigo	syndrome	5. Vertebrobasilar
5.	Labyrinthitis	6. Stroke or	arterial insufficiency
6.	Stroke	transient	6. Subclavian
7.	Acoustic	ischemic	artery steal
	Neuroma	attack (TIA)	syndrome
8.	Ramsay Hunt	7. Cervical	
	Syndrome	vertigo	
9.	Multiple	8. Medication	
	Sclerosis (MS)	side effects	
10.	Migraine-	9. Acoustic	
	Associated	neuroma	
	Vertigo	10. Central	
		nervous	
		system (CNS)	
		infections	
	1. Diabetic	1. Diabetic	1. Mushrooms
	neuropathy	neuropathy	poisoning
	2. Peripheral	2. Mushroom	2. Tetanus

Food
poisoning

	neuropathy	poisoning	3. Guillain-Barré
3. Toxic		3. Contact	Syndrome
	neuropathy	dermatitis	4. Restless legs
4. Guillain-Barre	4. Peripheral		syndrome
Syndrome	artery disease	5. Diabetic	
5. Charcot-	(PAD)	neuropathy	
Marie-Tooth	5. Peripheral	6. Parkinson's	
disease	neuropathy	disease	
6. Lyme disease	6. Complex	7. Pellagra	
7. Vitamin B12	regional pain	8. Cannabis	
deficiency	syndrome	intoxication	
8. Multiple	(CRPS)		
sclerosis	7. Guillain-Barre		
9. Hypothyroidis	syndrome		
m	8. Raynaud's		
10. Mushroom	phenomenon		
toxicity	9. Tarsal tunnel		
	syndrome		

(foot) and

carpal tunnel

syndrome

(hand)

10. Infection

- | | | |
|-------------------------------------------------|----------------------------------------------|-----------------------------------------------|
| 1. Pernicious anemia | 1. Pernicious anemia | 1. Subacute combined spinal cord degeneration |
| 2. Thrombotic thrombocytopenic purpura (TTP) | 2. Thrombotic thrombocytopenic purpura (TTP) | 2. Myelodysplastic syndromes |
| 3. Disseminated intravascular coagulation (DIC) | 3. Hemolytic uremic syndrome (HUS) | 3. Primary central nervous system lymphoma |
| 4. Sepsis | 4. Disseminated intravascular coagulation | 4. Tuberculous meningitis |
| 5. Acute kidney injury (AKI) | | |

Vitamin B₁₂ deficiency

6. Liver failure (DIC) 5. Neurosyphilis

7. Iron-deficiency anemia 5. Autoimmune hemolytic anemia 6. COVID-19

8. Hypertensive heart disease 6. Chronic kidney disease

9. Multiple myeloma 7. Liver disease

10. Stroke 8. Hypothyroidism

9. Vitamin B12 deficiency

10. Pulmonary infection

1. Diabetic 1. Hyperosmolar 1. ODS: Osmotic

Osmotic hyperosmolar Hyperglycemic Demyelination

51 demyelination syndrome State (HHS) Syndrome

syndrome 2. Diabetic ketoacidosis 2. Hypoglycemia 3. Diabetic hyperglycemia caused by

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|------------------|------------------|------------------|-------|
| 3. Cerebral | neuropathy | 2. multiple | brain |
| edema | 4. Hypertensive | stroke | |
| 4. Stroke | encephalopath | 3. hyperosmoler | |
| 5. Hypoglycemia | y | hyperglycemic | |
| 6. Hypertensive | 5. Cerebrovascul | syndrome | |
| encephalopath | ar accident | 4. infective | |
| y | (stroke) | endocarditis | |
| 7. Wernicke | 6. Central | 5. hypoglycemic | |
| encephalopath | pontine | encephalopath | |
| y | myelinolysis | y | |
| 8. Multiple | (osmotic | 6. septic | |
| sclerosis | demyelination | encepharopat | |
| 9. Brain tumor | syndrome) | hy | |
| 10. Encephalitis | 7. Diabetic | 7. hyperactive | |
| | ketoacidosis | derilium | |
| | (DKA) | 8. schizophrenia | |
| | 8. Encephalitis | 9. Acute | viral |
| | 9. Seizures | encepharopat | |

		10. Meningitis	hy
	1. Oesophageal	1. Spontaneous	1. aortic
	perforation	intramural	dissection
	2. Oesophageal	hematoma of	2. concentric
	hematoma	the esophagus	intramural
	3. Gastrointestin	(SIHE)	haematoma
	al bleeding	2. Esophageal	3. coronary
	4. Peptic ulcer	rupture	artery
Intramural	disease	3. Acute	dissection
haematoma of	5. Acute	cholecystitis	4. coronary
the	coronary	4. Mallory-Weiss	artery
oesophagus	syndrome	tear	aneurhythm
	6. Myocardial	5. Peptic ulcer	5. esophageal
	infarction	disease	rupture
	7. Gastritis	6. Gastroesopha	6. Rupture of an
	8. Pancreatitis	geal reflux	esophageal
	9. Cholecystitis	disease	varix
	10. Diverticulitis	(GERD)	7. mallory-wise

- | | | |
|-----|--------------|----------------|
| 7. | Acute | syndrome |
| | pancreatitis | 8. Bronchial |
| 8. | Acute | artery rupture |
| | coronary | |
| | syndrome | |
| | (ACS) | |
| 9. | Boerhaave | |
| | syndrome | |
| 10. | Gastritis | |

Notes: the number was same as the Table S1 of Multimedia Appendix 1.

Abbreviations: ChatGPT-3, third generation generative pre-trained transformer; ChatGPT-4, fourth generation generative pre-trained transformer.