

Diagnostic Checklists (Last saved 2/1/2016 1:38 PM)

1. The purpose of these checklists is to prompt physicians to consider a broad differential diagnosis for common symptoms in primary care and to help resist the most common cause of missing a diagnosis: failure to consider it. The lists are not exhaustive, but the goal is feasible because

- a. It is possible to cover 99% of diagnostically challenging symptoms with a short list, whereas 100% coverage would require a long list.
- b. Similarly, for each symptom it is possible to cover 99% of the diseases that cause it with a short list.
- c. Checklists are not needed for complaints that rarely pose diagnostic challenges, either because the list of causes is short (e.g., breast lump), the diagnosis is obvious (e.g., trauma, wart; but beware of multiple trauma, second fracture, etc.), there is a single cause that accounts for the overwhelming majority of cases (e.g., hypertension, obesity), the complaint prompts a standard diagnostic approach which catches important diagnoses even when not initially considered (e.g., rectal bleeding followed by colonoscopy), or the complaint is idiosyncratic (e.g., "funny feeling" in cheek).
- d. The checklists may not include diagnoses that are exceedingly rare in North America or diagnoses in which the symptom is a late manifestation rather than a presenting complaint (e.g., abnormal uterine bleeding caused by end-stage renal disease).

2. The diagnoses are listed in approximate order of prevalence in primary care (most common diseases at the top). This ordering is based on limited published data and the authors' experience. (National Ambulatory Medical Care Survey:2010 Summary Tables.

(http://www.cdc.gov/nchs/data/ahcd/namcs_summary/2010_namcs_web_tables.pdf.) Accessed March 17,2015.)

3. Unless otherwise specified, the checklists primarily address adults rather than children.
4. These checklists may have some advantages over more traditional differential diagnoses:
 - a. A shorter list, practical at the point of care
 - b. Diseases ordered by prevalence in primary care
 - c. Identification of "must-not-miss" diagnoses, designated by an ace of spades ()
 - d. Identification of diagnoses that are commonly missed, designated by an asterisk (*) and partly based on Schiff GD, et al. Arch Intern Med. 2009;169:1881-7; and on Zwaan L, et al. Arch Intern Med. 2010 ;170:1015-21).
 - e. Lumping and splitting to meet the needs of clinicians rather than pathologists or billers (e.g., better to split "myocardial infarction" from "heart disease," but better to lump "abnormal uterine bleeding" rather than splitting into "dysfunctional uterine bleeding" vs. "structural causes" because this distinction may not be apparent initially).
5. The checklists are designed to be printed on 4x6 cards, two-sided, laminated, with a 3/4 inch metal binder ring in the left upper corner. The lists could also be adapted for a handheld computer.

The checklists are modified from Ely JW, Graber ML, Croskerry P. Checklists to reduce diagnostic errors. Acad Med. 2011 Mar;86(3):307-13.

Abdominal and pelvic pain

(8/31/15)

- Dyspepsia (functional, ulcer, reflux)
- Viral gastroenteritis
- Constipation
- Medications (NSAIDs, iron)
- *Psychiatric (depression, sexual abuse)
- Irritable bowel syndrome
- Abdominal wall pain
 - Gallbladder disease
 - Pancreatitis
 - Diverticulitis
 - *Appendicitis
 - Kidney stone
- Herpes zoster
- Mittelschmerz
- Hernia
- Gastroparesis
 - *Ectopic pregnancy, pregnancy complication
- Bacterial overgrowth
 - *Myocardial infarction
- Celiac disease
- Food poisoning
 - *Diabetic ketoacidosis
 - *Pneumonia, empyema
- Mesenteric lymphadenitis
 - Hepatitis, hepatic abscess
 - Bowel obstruction
- Giardia
- Endometriosis, adenomyosis
 - Ovarian cyst, ovarian torsion
 - Pelvic inflammatory disease, endometritis
- Leiomyoma, degeneration, torsion, infarction
 - *Intraabdominal tumor, lymphoma
- Bladder distension, urinary tract infection
- Dysmenorrhea
 - *Aortic dissection, ruptured aneurysm



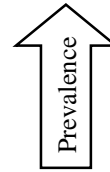
Don't miss
*** Commonly missed**

(Continued on next page)

Abdominal and pelvic pain (continued)

(5/20/15)

- Mesenteric ischemia, infarction
- Subdiaphragmatic abscess
- Perforated viscus, peritonitis
- Inflammatory bowel disease
- Intussusception
- Carbohydrate malabsorption
- Acute pharyngitis
- Sickle cell crisis
- Lead poisoning
- Sphincter of Oddi dysfunction
- Meckel's diverticulitis
- Abdominal migraine, abdominal epilepsy
- Narcotic bowel syndrome
- Fitz-Hugh-Curtis syndrome
- Hypercalcemia
- Radiculopathy (diabetes, cord tumor, tabes dorsalis)
- Periarteritis nodosa
- Hyper or Hypothyroidism
- Eosinophilic gastroenteritis
- Leukemia
- Epiploic appendagitis
- Superior mesenteric artery syndrome
- Spleen wandering, abscess, infarction , rupture
- Hereditary angioedema
- Celiac artery compression
- Adrenal insufficiency
- Familial Mediterranean Fever
- Iliocostal friction syndrome
- *Abdominal compartment syndrome
- *Mesenteric panniculitis
- Porphyria
- Budd-Chiari syndrome
- *ACE-inhibitor angioedema
- Hyperparathyroidism
- Black Widow Spider bite



Don't miss
*** Commonly missed**

Abnormal uterine bleeding (2/13/15)

Anovulatory bleeding, polycystic ovary syndrome

Menorrhagia (idiopathic)

Contraceptive related abnormal bleeding (oral contraceptives, depo-medroxyprogesterone, intrauterine device, progestin implant)

Normal variations (postmenarchal, perimenopausal, premenstrual spotting, postmenstrual spotting, midcycle ovulatory bleeding)

Ectopic pregnancy

Intrauterine pregnancy complication

Endometrial cancer, hyperplasia

Uterine polyps

Uterine fibroids

Adenomyosis

Endometritis

Hyperprolactinemia

Thyroid disease

Drugs (anticoagulants, psychotropics)

Coagulopathy (von Willebrand disease)

Organ failure (late manifestation: kidney failure, liver failure)



Don't miss
*** Commonly missed**

Annular skin lesions

(10/5/15)

Tinea corporis
Xerotic eczema
Granuloma annulare
Urticaria
Erythema multiforme
Psoriasis
Pityriasis rosea (herald patch)
Nummular eczema
Seborrheic dermatitis
Arthropod bites
Annular and gyrate erythemas
Vasculitis
Henoch-Schonlein purpura
Lupus erythematosus (subacute cutaneous lupus)
Annular lichen planus
Erythema chronicum migrans (Lyme disease)
Secondary syphilis
Cutaneous sarcoidosis
Acute febrile neutrophilic dermatosis (Sweet Syndrome)
Annular elastocytic giant cell granuloma
Superficial annulare centrifugum
Interstitial granulomatous dermatitis
Id (autoeczematous) reactions
Kawasaki's disease
Eruptive xanthomas
Eruptive histiocytoomas
Erythema marginatum (Rheumatic fever)
Porokeratosis
Linear IgA bullous dermatosis
Leprosy



Don't miss
*** Commonly missed**

Anxiety, depression

(6/19/15)

- Depression, agitated depression, bipolar disorder
- Anxiety (situational, generalized anxiety disorder)
- Panic disorder
- Alcohol
 - Hypoglycemia
- Medications (caffeine, nicotine, pseudoephedrine)
- Medication or substance withdrawal (alcohol, benzodiazepines)
- Illicit drugs (cocaine, amphetamines)
- Posttraumatic stress disorder
 - Serotonin syndrome
- Thyroid disorder
- Paraneoplastic syndrome
 - Pulmonary embolus
 - Hypoxemia
- Attention Deficit Hyperactivity Disorder
- Electrolyte imbalance
- Hypercalcemia, hyperparathyroidism
- *Delirium
- *Domestic abuse
- Ehlers Danlos (Hypermobility syndrome)
- Postconcussion syndrome
- Multiple sclerosis
- Restless legs syndrome
- Wilson disease
- Pheochromocytoma



Don't miss
*** Commonly missed**

Arthralgias

(7/9/15)

Viremia (nonspecific, infectious mononucleosis, hepatitis, cytomegalovirus, fifth disease, rubella, mumps, varicella, human immunodeficiency virus)

Osteoarthritis

Fibromyalgia

Reactive arthritis

Polyarticular gout

Pseudogout

Polymyalgia rheumatica

Ankylosing spondylitis

Psoriatic arthritis

Inflammatory bowel disease

Rheumatoid arthritis

Hypothyroidism

Lupus and drug-induced lupus

Scleroderma

Ehlers Danlos (Hypermobility syndrome)

Systemic vasculitis

Systemic sclerosis

Polymyositis/dermatomyositis

Still's disease

Behcet syndrome

Disseminated gonococemia

Relapsing polychondritis

Autoinflammatory disorders

Adrenal insufficiency

Lyme disease

Bacterial endocarditis

Sarcoidosis

Palindromic rheumatism

Hyperlipoproteinemias

*Malignancy

Septic joint

Sickle cell disease

Compartment syndrome

Acute myelopathy, radiculopathy, neuropathy

Polyarteritis nodosa

Wegener's granulomatosis

Amyloidosis

Rheumatic fever

Familial Mediterranean Fever

Whipple's disease



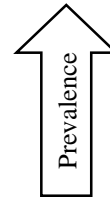
Don't miss

*** Commonly missed**

Back pain

(3/13/15)

- Musculoskeletal, osteoarthritis, degenerative disk disease
- Herniated disk
- Spinal stenosis
 - Gall bladder disease
- Compression fracture
 - Pyelonephritis
- Kidney stone
- Pancreatitis,
 - *Pulmonary embolus
 - *Pneumonia
- Psychiatric
- Herpes zoster
- Vitamin D deficiency
- Ankylosing spondylitis (sacroiliitis)
 - Polymyalgia rheumatica
- Prostatitis
 - Cauda equina syndrome
- Back mouse
- Pancreatic carcinoma
- Piriformis syndrome
- Ankylosing spondylitis (sacroiliitis)
- Ehlers Danlos (Hypermobility syndrome)
 - *Abdominal or thoracic aortic aneurysm
 - *Metastatic tumor
 - *Abdominal tumor
- Penetrating ulcer
 - Infection (diskitis, osteomyelitis, spinal abscess)
- Iliocostal impingement syndrome
- Retroperitoneal fibrosis



Don't miss
*** Commonly missed**

Back Pain in Children

(3/13/15)

- Nonspecific musculoskeletal
- Viral myalgias
- Scheuermann's kyphosis
- Spondylolysis, spondylolisthesis
 - Sickle cell crisis
- Scoliosis
- Psychiatric
 - Pyelonephritis
- Back mouse
- Herniated disk
 - Pneumonia
 - Leukemia or lymphoma
- Inflammatory spondyloarthropathies (ankylosing spondylitis, inflammatory bowel disease, reactive arthritis)
 - Trauma, vertebral fracture
- Sacroiliac joint infection
- Syringomyelia
- Kidney stone
 - Discitis
 - Epidural abscess
 - Vertebral osteomyelitis
- Slipped vertebral epiphysis
- Juvenile intervertebral disc calcification
- Tumor



Don't miss
*** Commonly missed**

Breast pain (mastalgia)

(9/4/11)

- Idiopathic mastalgia
- Cyclical (physiologic) breast pain
- Fibrocystic disease
 - Mastitis
- Chest wall pain
- Large pendulous breasts (Cooper's ligament stretching)
- Caffeine, nicotine
 - Pregnancy
- Hormone replacement therapy
- Drugs (antibiotics, antidepressants, antipsychotics, estrogen, progesterone, clomiphene, antihypertensives, metronidazole, ketoconazole, spironolactone)
- Benign tumors
 - Inflammatory breast cancer
- Referred pain
- Trauma
- Psychiatric
- Herpes zoster
- Thrombophlebitis
- Macrocysts
- Ductal ectasia
 - Cancer
 - Myocardial infarction
 - Pulmonary embolus
- Gastroesophageal reflux disease
- Pleurisy, pericarditis
- Sickle cell disease
- Hydradenitis suppurativa
- Prior breast surgery
- Spinal disorders
- Gall bladder disease
- Heart disease
- Post thoracotomy syndrome



**Don't miss
* Commonly missed**

(9/15/15)

Chest pain

- Chest wall pain
- Gastroesophageal reflux disease
- Pleurisy, pleuritis
- *Psychiatric
- Asthma
 - *Coronary disease (myocardial infarction, angina)
 - *Pulmonary embolus
- Herpes zoster
 - *Pneumonia, bronchitis
- Pneumothorax
- Esophageal spasm
- Pericarditis, myocarditis
- Mitral valve prolapse
- Idiopathic chest pain
- Acute chest syndrome (sickle cell anemia)
- Tuberculosis
- Aortic stenosis
 - *Dissecting aortic aneurysm
 - *Tumor
- Pulmonary hypertension
- Esophageal rupture
- Precordial catch syndrome
- Mediastinitis
 - *Spinal cord compression

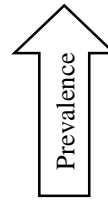


Don't miss
*** Commonly missed**

Cold feeling

(8/7/12)

- Idiopathic
- Advanced age, thin woman
- Psychiatric (anxiety)
- Hypothyroidism
- Shock
- Sepsis
- Raynaud's phenomenon
- Anemia
- Weight loss, malnutrition
- Chronic illness
- Hypoglycemia



Don't miss
*** Commonly missed**

Constipation

(2/26/14)

Functional (Idiopathic)

Medications (anticholinergics, antidepressants, antipsychotics, opiates, iron, calcium channel blockers)

Pregnancy

Diabetic neuropathy

Depression

Hypokalemia

Anorexia nervosa

Hypothyroidism

Obstruction

Multiple sclerosis

Spinal cord injury

Parkinson disease

Myotonic dystrophy

Systemic sclerosis

Hirschprung disease

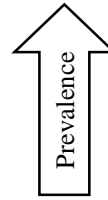


Don't miss
*** Commonly missed**

Cough

(4/10/13)

- Viral upper respiratory infection
- Postnasal drip
- Postinfectious, postviral cough
- Bronchitis
- Asthma, chronic obstructive pulmonary disease
- Gastroesophageal reflux
- *Drugs (angiotensin converting enzyme inhibitors, beta blockers, amiodarone)
- *Pneumonia
- External or middle ear disease
- Aspiration, recurrent
- *Pulmonary embolus
- Pertussis
- Psychogenic
- *Heart failure
- Human immunodeficiency virus
- *Lung tumor
- Epiglottitis
- Acute histoplasmosis
- Interstitial lung disease
- Bronchiectasis
- Sarcoidosis
- *Tuberculosis
- Cystic fibrosis
- Laryngeal tumor
- Mitral stenosis
- Foreign body



Don't miss
*** Commonly missed**

Cough, dyspnea (infant, newborn)

(4/10/13)

- Viral upper respiratory infection
- Respiratory syncytial virus (RSV)
- Parainfluenza
- Transient tachypnea
- Sepsis
- Bronchiolitis
- Infant respiratory distress syndrome
- Metapneumovirus
- Influenza
- Pertussis
- Pneumothorax
- Pneumonia
- Asthma
- Heart disease



Don't miss
*** Commonly missed**

Crying infant (Inconsolable)

(3/17/15)

Idiopathic

Colic

Infections (otitis media, viral illness, urinary tract infection,
herpes stomatitis, meningitis, osteomyelitis, septic
joint, thrush)

Neonatal abstinence syndrome (maternal drug use)

Fracture

Anal fissure

Corneal abrasion

Constipation

Immunization reaction

Hair tourniquet syndrome (digits, penis)



Don't miss
*** Commonly missed**

Delirium

(4/8/15)

- *Drugs (opioids, hypnotics, antipsychotics, antihistamines)
- *Psychiatric disorders
- Alcohol
- *Anemia
- *Glucose disturbances
- Serotonin syndrome
- Trauma
- Head injury
- *Myocardial infarction
- Carbon monoxide
- Sepsis
- Serious illness
- Electrolyte disturbance, Na, Ca, Mg, P
- Thyroid disease
- Hypoxia
- Neuroleptic malignant syndrome
- Hypertensive encephalopathy
- Central nervous system infections (neurosyphilis, human immunodeficiency virus, herpes simplex)
- Brain mass
- Hypothermia
- Hyperthermia
- B12 deficiency
- Folate deficiency
- Thiamine deficiency
- Liver failure
- Stroke, intracranial hemorrhage
- *Heart failure
- Fecal impaction, urinary retention
- Renal failure
- Burns
- Postpartum psychosis
- Adrenal disease
- Porphyria
- Nonconvulsive status epilepticus



Don't miss

*** Commonly missed**

Dementia, memory loss

(3/13/15)

- Alzheimer disease
- Pseudodementia (depression)
- Mild cognitive impairment
 - Medications (antihistamines)
- Alcohol, Wernicke Korsakoff
- Vascular dementia
- Frontotemporal dementia
- Lewy body dementia
- Parkinson disease
 - Vitamin B12 deficiency
- Hypothyroidism
- *Delirium
- Anoxia
- Hypoglycemia
- Head injury, subdural hematoma
- Transient global amnesia
- *Human immunodeficiency virus associated dementia
- Huntington disease
 - *Brain tumor
- Progressive supranuclear palsy
 - Structural brain disease
 - Hypercalcemia, hyperparathyroidism
- Prion disease (e.g., Creutzfeldt-Jacob)
- Dementia pugilistica
- Progressive multifocal leukoencephalopathy
 - Normal pressure hydrocephalus
 - Niacin deficiency
- Corticobasal degeneration
- Paraneoplastic syndrome
- Whipple's disease



Don't miss
*** Commonly missed**

Depigmentation, hypopigmentation of skin

(3/24/12)

Vitiligo

Tinea versicolor

Idiopathic guttate hypomelanosis

Postinflammatory hypopigmentation

Pityriasis alba

Halo nevi

Chemically induced (phenols)

Nevus depigmentosus

Hypomelanosis of Ito

Piebaldism

Morphea

Leukoderma

Lichen sclerosis

Tuberous sclerosis

Albinism

Leprosy



Don't miss
*** Commonly missed**

Diarrhea

(9/18/14)

- Viral gastroenteritis
- Irritable bowel syndrome
- *Drugs (antibiotics, caffeine, alcohol)
- Salmonella
- Shigella
- E. coli O157 H7
- Campylobacter
- Clostridium difficile
- Food poisoning
- Lactose intolerance, fructose intolerance
- Bacterial overgrowth (e.g., diabetes, blind loop after surgery)
- Diabetes
- Giardia
- Microscopic colitis
- Entamoeba histolytica
- Cryptosporidium
- Inflammatory bowel disease
- Celiac disease
- Yersinia
- Radiation colitis
- Ischemic colitis
- Fecal impaction with leakage
- Bypass operations
- Reduced bile salts (e.g., postcholecystectomy)
- Pancreatic insufficiency (pancreatitis, cystic fibrosis, cancer)
- Blastocystis hominis
- Scleroderma
- Toxic shock syndrome
- *Human immunodeficiency virus
- Laxative abuse
- Cystic fibrosis
- Whipple's disease



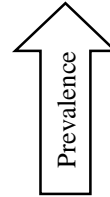
Don't miss
*** Commonly missed**

Dizziness, ill-defined

(1/21/12)

- Vasovagal
- Benign paroxysmal positional vertigo
- Hyperventilation
- *Drugs (antihypertensives, antidepressants, gentamicin, furosemide, alcohol, illicit drugs)
- Panic attack
- Elderly multifactorial
- Orthostatic hypotension
- Autonomic insufficiency
- Meniere's disease
- Vestibular neuronitis, acute labyrinthitis
- Valsalva
- *Anemia
- Idiopathic
- Arrhythmias
- Hypoglycemia
- Psychiatric
- Seizure, pseudoseizure
- GI bleeding
- Valvular heart disease, aortic stenosis
- *Pulmonary embolus
- *Myocardial infarction
- Hypoxia
- Aortic dissection
- Acoustic neuroma
- Post-concussion syndrome
- Parkinson disease
- Otitis media
- Barotrauma, ruptured oval window, perilymph leak
- Migrainous vertigo
- Adrenal insufficiency, Addison's disease
- Otosclerosis
- Carotid hypersensitivity
- Vertebral artery dissection
- *Brain stem stroke
- Cough, micturition, defecation

- Hypertrophic cardiomyopathy
- Cardiac tamponade
- Subclavian steal
- Atrial myxoma
- Multiple sclerosis



Don't miss
*** Commonly missed**

Dysphagia

(2/4/14)

- Esophageal spasm
- Lower esophageal ring (schatzke's ring)
- Functional dysphagia
- Globus sensation
- Esophageal web
- Peptic stricture
- Esophageal diverticulum
- *drugs (anticholinergics, phenothiazines)
- Nutcracker esophagus
- Zenker's diverticulum
- Sjogren's syndrome
- Achalasia
 - *Stroke
 - *Tumor (intrinsic or extrinsic)
- Multiple sclerosis
- Parkinson's disease
- Tardive dyskinesia
- Amyloidosis
- Cushing's disease
- Wilson's disease
- Amyotrophic lateral sclerosis
- Scleroderma
- Myasthenia gravis
- Guillain-Barre' syndrome



Don't miss
*** Commonly missed**

Dyspnea, tachypnea

(1/12/16)

- Asthma, chronic obstructive pulmonary disease
- Fever
- Deconditioning
- *Pneumonia
- Physiologic dyspnea of pregnancy
- Bronchitis
- *Psychiatric, hyperventilation, panic attack
- *Heart failure
- *Pulmonary embolus
- *Myocardial infarction
- Pneumothorax
- Cardiomyopathy
- Shock
- *Anemia
- *Tumor
- Pleural effusion
- Valvular heart disease
- Pulmonary hypertension
- Interstitial fibrosis
- Metabolic acidosis
- Drugs (aspirin)
- Arrhythmias, atrial fibrillation
- Abdominal distension, obesity
- Cardiac tamponade
- Upper airway obstruction
- Myasthenia gravis
- Neuroleptic malignant syndrome
- Hyperthyroidism
- Foreign body aspiration
- Increased intracranial pressure
- Wegener's granulomatosis



Don't miss
*** Commonly missed**

Ear pain, otalgia

(8/26/10)

Acute otitis media, otitis media with effusion

TMJ syndrome

Eagle's syndrome

External otitis or external canal pustule

Cerumen

Viral myringitis

Dental causes

Pharyngitis

Barotrauma

Foreign body

Idiopathic

Cervical adenopathy

Cellulitis, chondritis, perichondritis

Acoustic neuroma

*Myocardial infarction

Nasopharyngeal tumor

Temporal arteritis

Cholesteotoma

Sinusitis

Carotidynia

Trauma

Mastoiditis

Gastroesophageal reflux

Tumors (ear, nasopharyngeal)

Bell's palsy

Wegener's granulomatosis

Cervical disc disease

Ramsey Hunt syndrome

Relapsing polychondritis

Malignant external otitis

Coronary disease

Thoracic aneurysm

*Psychogenic (depression, anxiety)

Thyroid tumor

Salivary gland disorder

Don't miss

Neuralgias (trigeminal, glossopharyngeal)* **Commonly missed**



Edema, leg

(7/13/15)

- Venous insufficiency, dependency, garments
- Obstructive sleep apnea (resulting in pulmonary hypertension)
- Cellulitis
- Stasis dermatitis
- *Drugs (NSAIDS, Ca channel blockers, steroids, antidepressants, beta blockers, clonidine, estrogen/progesterone)
- Deep vein thrombosis
- *Heart failure
- Baker's cyst rupture
- Ruptured gastrocnemius
- Complex regional pain syndrome
- *Pelvic Tumor
- Idiopathic
- Hypoalbuminemia
- Cirrhosis
- Lymphedema
- Mechanical edema (post injury or surgery)
- Renal failure, nephrotic syndrome
- Heart valve disease (pulmonic, tricuspid)
- Myxedema
- Constrictive pericarditis
- Retroperitoneal fibrosis



Don't miss
*** Commonly missed**

Eye pain

(5/19/15)

- Conjunctivitis
- Corneal abrasion
- Foreign body
- Stye (hordeolum)
- Chalazion
- Blepharitis
- Scleritis, episcleritis
- Angle-closure Glaucoma
- Migraine
- Entropion
- Migraine or cluster headaches
- Ophthalmic zoster
- Intracranial mass
- Optic neuritis (multiple sclerosis)
- Giant cell arteritis
- Uveitis, iritis
- Optic neuritis



Don't miss
*** Commonly missed**

Eyelid swelling

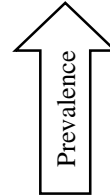
(1/21/12)

Bilateral

- Contact dermatitis
- Blepharitis
- Atopic dermatitis
- Rosacea
- Angioedema
- Systemic processes (myxedema, renal disease, congestive heart failure, superior vena cava syndrome)
- Cavernous sinus thrombosis

Unilateral

- Orbital cellulitis
- Hordeolum, stye
- Chalazion
- Herpes simplex
- Herpes zoster ophthalmicus
- Dacryocystitis
- Tumors



Don't miss
*** Commonly missed**

Facial flushing, hot flashes

(4/8/15)

- Emotional
- Menopause
- Alcohol
- Rosacea
- Drugs (calcium-channel blockers, nicotinic acid, levodopa, others)
- Heat exposure
- Exercise
- Fever
- Foods (spicy foods, cured meats, monosodium glutamate)
- Carcinoid
- Cluster headache
- Serotonin syndrome
- Dumping syndrome
- Bronchogenic carcinoma
- Medullary thyroid carcinoma
- Sarcoidosis
- Hyperthyroidism
- Systemic mastocytosis
- Pheochromocytoma



Don't miss
*** Commonly missed**

(8/26/13)

Facial pain

- Sinusitis
- Dental pain
- Temporomandibular joint syndrome
- Trigeminal neuralgia
- Herpes zoster
- Salivary gland disorders
- Migraine
 - Temporal arteritis
 - Glaucoma
- Persistent idiopathic facial pain
- Dacryocystitis
- *Coronary disease
- *Aortic aneurysm
- Recurrent painful ophthalmoplegic neuropathy
- Lung cancer



Don't miss
*** Commonly missed**

Falls in the elderly

(3/17/15)

- Multifactorial
- Balance disorder
- Idiopathic
- Environmental factors (new surroundings, walking surface hazards)
- Arthritis
- Muscle weakness
- Acute illness
- Drugs (sedatives, hypnotics, antidepressants, antihypertensives)
- Alcohol
- Peripheral neuropathy (diabetes, B12 deficiency)
- Poor footwear
- Confusion, Dementia
- Vestibular dysfunction
- Orthostatic hypotension
- Postprandial hypotension
- Vitamin D deficiency
- Visual disorder
- Syncope
- Parkinson disease



Don't miss
*** Commonly missed**

Fatigue, malaise, vague symptoms

(7/28/15)

- Obstructive sleep apnea
- Depression, anxiety
- Deconditioning
- *Drugs (beta blocker, clonidine)
- Chronic fatigue syndrome, fibromyalgia
- *Infections (infectious mononucleosis, hepatitis, pneumonia, mastitis, urosepsis, cytomegalovirus, tuberculosis, endocarditis, human immunodeficiency syndrome, Lyme, Coccidiomycosis, Giardia)
- Pregnancy
- *Anemia
- Vitamin D deficiency
- Hypothyroidism, hyperthyroidism
- Hypokalemia, hyponatremia
- *Myocardial infarction
- Restless legs syndrome
- Peripheral neuropathy (diabetes)
- Cancer, lymphoma
- Disturbance of calcium, phosphorus, magnesium
- Polymyalgia rheumatica/Temporal arteritis
- Parkinson disease
- Hypogonadism
- Celiac disease
- Pulmonary, hepatic, renal failure
- Pulmonary hypertension
- *Ehlers Danlos syndrome
- *Heart failure, myocarditis
- Multiple sclerosis
- Carbon monoxide
- Rheumatoid arthritis
- Adrenal insufficiency, Addison's disease
- Vitamin B12 deficiency
- Guillain-Barré syndrome
- Post-Lyme disease syndrome
- Myasthenia gravis
- Wegener's granulomatosis

Lupus
*Delirium
Hypopituitarism
Botulism

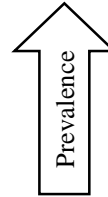
Polyarteritis nodosa
Black widow spider bite



Don't miss
*** Commonly missed**

Fever (acute, uncertain source) (7/9/15)

- Infections (pulmonary, gastrointestinal, urinary, sinusitis, skin,
 - *meningitis, bone, infectious mononucleosis, Lyme, cytomegalovirus, occult abscess, *human
 - Immunodeficiency virus, malaria, mastitis, West Nile, endocarditis, leptospirosis, tuberculosis, hepatitis)
- Polymyalgia rheumatica
- *Malignancy, tumor lysis syndrome (lymphoma, leukemia, renal cell, liver)
- *Myocardial infarction
- *Pulmonary embolus, deep vein thrombosis
- Surgical site inflammation (seroma, hematoma)
- Transfusion reaction
- Stroke, subarachnoid hemorrhage, intracranial hemorrhage
- Head trauma
- *Brain tumor
- Serotonin syndrome
- Necrotizing fasciitis
- Heat stroke
- Gout
- Bowel ischemia, infarction
- Hyperthyroidism
- Connective tissue disorder (autoimmune, lupus)
- Pancreatitis
- Toxic shock syndrome
- *Drugs (antibiotics, heparin, phenytoin)
- *Drug withdrawal (alcohol, opiates, barbiturates, benzodiazepines)
- Malignant hyperthermia
- Sarcoidosis
- Inflammatory bowel disease
- Neuroleptic malignant syndrome
- Periodic fever syndromes (PFAPA (periodic fever with aphthous stomatitis, pharyngitis and adenitis) Familial Mediterranean Fever, others)
- Factitious
- Wegener's, polyarteritis nodosa



Don't miss

*** Commonly missed**

Flank pain

(8/29/13)

Musculoskeletal

 Kidney stone

 Pyelonephritis, renal abscess

 Diverticulitis

Herpes zoster

 *Pneumonia

Influenza

Polycystic kidney disease

 *Ruptured aneurysm

Renal infarction

Renal tumor

Papillary necrosis

Slipping rib syndrome

Iliocostal friction syndrome

Loin pain hematuria syndrome



Don't miss
*** Commonly missed**

Genital skin lesion, genital ulcer

(3/17/15)

- Herpes simplex
- Behcet's disease
- Cancer
- Trauma
- Drug reactions, fixed drug eruption
- Vestibulitis
- Bartholin abscess
- Lichen sclerosis
- Lichen simplex chronicus
- Psoriasis
- Lichen planus
- Syphilis
- Chancroid
- Lymphogranuloma venereum
- Granuloma inguinale
- Primary Human immunodeficiency virus
- Cytomegalovirus
- Epstein-Barr virus



Don't miss
*** Commonly missed**

Groin pain

(3/17/15)

- Groin muscle pull
- Sports hernia
- Hip arthritis
- Labral tear
- Inguinal hernia
- Hip stress fracture
- Osteitis pubis
- Distal abdominal rectus strain
- Adductor longus rupture
- Hip osteonecrosis (glucocorticoid use)
- Hip synovitis
- Hip septic arthritis



Don't miss
*** Commonly missed**

Hair Loss

(3/17/15)

- Male pattern baldness
- Androgenetic alopecia (female pattern hair loss)
- Telogen effluvium (illness, pregnancy, weight loss)
- Alopecia areata
- Traction alopecia
- Medications (anticoagulants, anticonvulsants, hormones, anti-lipid agents, antihypertensives)
- Tinea capitis
- Trichotillomania
- Iron deficiency
- Thyroid dysfunction
- Discoid lupus
- Anagen effluvium (chemotherapy, radiation)
- Loose anagen syndrome
- Inherited disorders
- Primary cicatricial (scarring) alopecias



Don't miss
*** Commonly missed**

Headache

(6/19/15)

- Daily withdrawal headaches
- Migraine Reversible cerebral vasoconstriction syndrome
- Tension type headache Vasculitis
- Caffeine withdrawal Pituitary apoplexy
- *Drug adverse effect
- Sinusitis
- Viral syndrome, febrile illness
- Temporomandibular joint syndrome
- Cervical arthritis
- Spinal headache (post lumbar puncture)
- Temporal arteritis
- *Subarachnoid hemorrhage
- Herpes Zoster
- Occipital neuralgia
- Carbon monoxide
- Acute severe hypertension
- Toxic exposures
- Postconcussion syndrome
- Idiopathic thunderclap
- Preeclampsia
- Glaucoma
- *Meningitis/encephalitis/brain abscess
- Cerebral aneurysm
- *Domestic abuse
- Subdural hematoma
- Neuralgias (e.g., trigeminal neuralgia)
- Pseudotumor cerebri (intracranial hypertension)
- Cluster headache
- HSV encephalitis
- *Brain tumor
- *Stroke
- Human immunodeficiency virus
- Arterial dissections
- Cerebral venous sinus thrombosis
- Spontaneous intracranial hypotension



Don't miss
*** Commonly missed**

Hearing loss (deafness)

(3/17/15)

- Presbycusis
- Cerumen
 - Otitis media, otitis externa
- Noise exposure
 - Acoustic neuroma
- Meniere's disease
- Otosclerosis
 - Sudden sensorineural hearing loss
- Viral cochleitis (herpes, influenza, mumps, others)
 - Drugs (aspirin, gentamicin, furosemide, cisplatin)
- Stroke
 - Hereditary, congenital hearing loss
- Trauma, barotrauma
 - Cholesteatoma
 - Meningitis
 - Neoplasm
- Autoimmune hearing loss
- Stroke, transient ischemic attack
- Multiple sclerosis
- Diabetes
 - Lyme disease
 - Syphilis
- Superior semicircular canal dehiscence



Don't miss
*** Commonly missed**

Hematuria

(5/2/14)

- Transient unexplained hematuria
- Urinary tract infection
- Stones
- Menstruation (contaminated urine)
- Exercise
- Trauma
- Benign prostatic hypertrophy
- Atrophic vaginitis
- Tumor
- Prostatitis
- Radiation cystitis
- Factitious (finger stick)
- Glomerular disease (IgA nephropathy, hereditary nephritis, postinfectious glomerulonephritis)
- Hypercalciuria
- Polycystic kidney disease
- Urethritis
- Papillary necrosis (nonsteroidal antiinflammatory drug overuse, diabetes, sickle cell)
- Hyperuricosuria
- Renal infarction
- Interstitial nephritis
- Medullary sponge kidney
- Tuberculosis
- Wegener's granulomatosis
- Renal vein thrombus
- Malignant hypertension

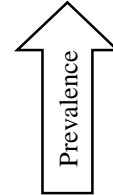


Don't miss
*** Commonly missed**

Hip pain

(10/15/12)

- Hip osteoarthritis
- Muscle strain
 - *Fracture (occult, pathologic, stress)
- Tendinitis
- Trochanteric bursitis
- Transient synovitis
- Lumbar disk disease
- Meralgia paresthetica
- Osteonecrosis, aseptic necrosis, avascular necrosis
- Aortoiliac vascular occlusive disease
- Sacroiliac joint disease
- Acute synovitis
 - Septic arthritis
- Metastatic tumor
- Primary bone tumor
- Herpes zoster
 - Osteomyelitis
- Legg Perthes disease
 - Slipped capital femoral epiphysis
- Idiopathic chondrolysis
 - Psoas abscess
 - Leukemia
- Sickle cell crisis



Don't miss
*** Commonly missed**

Hypotension, shock

(2/11/10)

- Hemorrhage (trauma, GI bleeding)
- Hypovolemia
- Vomiting, diarrhea
- Pancreatitis
- *Drugs (e.g., antihypertensives)
- Cardiomyopathy
- *Myocardial infarction
- Aortic stenosis
- Arrhythmias
- Peritonitis
- Anaphylaxis
- *Pulmonary embolus
- *Ruptured aneurysm
- *Pneumothorax
- *Sepsis
- Aortic stenosis
- Hypertrophic cardiomyopathy
- Hypothyroidism
- Cardiac tamponade
- Addison's disease/Adrenal insufficiency/ hemorrhage
- Atrial myxoma



Don't miss
*** Commonly missed**

Insomnia, sleep disturbance

(1/23/12)

Primary insomnia (psychophysiological)

Depression

Anxiety

Poor sleep hygiene

Obstructive sleep apnea

Medications, substances (caffeine, nicotine, pseudoephedrine,
cocaine, steroids, alcohol, others)

Chronic lung disease

Menopause

Nocturia (diuretics, prostate hypertrophy, diabetes,
incontinence, heart failure)

Environment (noise, temperature)

Jet lag

Chronic pain

*Delirium

Restless legs syndrome, nocturnal myoclonus



Don't miss
*** Commonly missed**

Leg pain, bone pain, extremity pain

(9/15/15)

Arthritis

*Fracture, trauma, stress fracture

Gout

Varicose veins

Cellulitis

Shin splints

Tendinitis

Deep vein thrombosis

Lumbar disc disease

Neuropathy (e.g., diabetic)

Meralgia paresthetica

Ruptured Baker's cyst

Ruptured plantaris muscle

Vitamin D deficiency

Compartment syndrome

Claudication

Rhabdomyolysis

Ehlers Danlos (Hypermobility syndrome)

Complex regional pain syndrome

Diabetic amyotrophy

Chronic exertional compartment syndrome

Osteomyelitis

Arterial occlusion

Gastrocnemius tear

Sickle cell crisis

Bone tumor

Leukemia



Don't miss
*** Commonly missed**

Limp in child

(8/7/15)

- Transient synovitis
- Fractures (toddlers, stress, foot, abuse)
- Soft tissue trauma
- Growing pains
- Chondromalacia patellae
- Osgood-Schlatter's disease
- Slipped capital femoral epiphysis
- Legg-Perthes
- Osteochondritis desiccans
- Hip dysplasia
- Tumors
- Conversion disorder
- Leukemia
- Septic arthritis
- Osteomyelitis
- Diskitis
- Muscular dystrophy



Don't miss
*** Commonly missed**

Lymphadenopathy

(1/20/10)

- Viral syndrome
- Infectious mononucleosis
- Cat scratch disease
 - Malignancy (lymphoma, leukemia, metastases)
 - Human immunodeficiency virus
 - *Tuberculosis, atypical mycobacteria
 - Tularemia
- Lupus
- Fungal infection (histoplasmosis, coccidiomycosis, cryptococcus)
- Medications (phenytoin, serum sickness)
 - Brucellosis
 - Leptospirosis
 - Syphilis
 - Lyme disease
- Sarcoidosis
- Amyloidosis
- Rubella



Don't miss
*** Commonly missed**

Mental status, acute change (coma, lethargy) (1/25/12)

- *Delirium
- Alcohol
- Psychosis
- Drug overdose
- Hypoglycemia
- *Intracranial hemorrhage
- Seizure (postictal)
- Urinary Retention
- Hypoxia
- CO2 narcosis
- *Pneumonia
- Head trauma
- Sepsis
- Meningitis, encephalitis
- Electrolyte abnormality
- Psychiatric
- Hyperglycemic hyperosmolar state, diabetic ketoacidosis
- *Heart failure
- Status epilepticus
- Hypotension
- Brain stem stroke
- Disturbance of Ca, Mg, Na, K, P
- Thyroid disease (myxedema)
- Heat stroke
- Hypothermia
- Liver failure (hepatic encephalopathy)
- Renal failure (uremic encephalopathy)
- Brain tumor with herniation



Don't miss
*** Commonly missed**

Mouth pain, burning mouth, burning tongue (2/3/11)

Burning mouth syndrome (idiopathic)

Psychiatric disorders

Apthous stomatitis

Xerostomia (drugs, connective tissue disease, old age, Sjogrens, radiation therapy, chemotherapy)

Nutritional deficiencies (vitamin B12, iron, folate, zinc, vitamin B6)

Allergic contact stomatitis

Geographic tongue

Candidiasis

Diabetes

Denture-related pain

Herpes stomatitis

Thyroid abnormalities

Menopause

Lichen planus



Don't miss
*** Commonly missed**

Mouth ulcers

(1/25/12)

- Aphthous stomatitis
- Herpes simplex
- Trauma
- Oral candida
- Hand, foot, and mouth disease
- Herpangina
 - Primary Human Immunodeficiency Virus infection
- Drug reaction
- Behcet's disease
- Erythema multiforme
- Stevens Johnson syndrome
- Lichen planus
- Chicken pox
- Pemphigus, bullous pemphigoid
- Reactive arthritis
 - Squamous cell carcinoma
- Necrotizing ulcerative gingivostomatitis (Vincent's fusospirochetal disease)
- Inflammatory bowel disease
- Syphilis



Don't miss
*** Commonly missed**

Muscle cramps

(3/17/15)

Idiopathic, ordinary, nocturnal

Pregnancy

Heat-induced (volume depletion, hyponatremia)

Exercise induced cramps

*Medications (nifedipine, inhaled beta agonists, thiazides, beta blockers, cisplatin, vincristine, oral contraceptives, others)

Hemodialysis (volume and electrolyte shifts)

Lower motor neuron (injury, amyotrophic lateral sclerosis, compression)

Writer's cramp

Diabetes

Parkinson's disease

Hypocalcemia

Ehlers Danlos (hypermobility) syndrome

Hypomagnesemia

Respiratory alkalosis

Parkinson disease

Peripheral vascular disease

Hypokalemia

Thyroid disease

McArdle's disease (glycogen storage disease)



Don't miss
*** Commonly missed**

Myalgias, generalized

(6/19/15)

Viral syndrome, infections

Fibromyalgia

*Statins

Influenza

Vitamin D deficiency

Hypothyroidism

Polymyalgia rheumatica

Rhabdomyolysis

Polymyositis, dermatomyositis

*Psychiatric

*Domestic abuse

Lyme disease

Ehlers Danlos (Hypermobility syndrome)

Adrenal insufficiency

*Human immunodeficiency virus

Hypophosphatemia

Lupus

Rheumatoid arthritis



Don't miss
*** Commonly missed**

Nausea, vomiting

(5/20/15)

- Gastroenteritis, gastritis
- *Drugs (opioids, iron, chemotherapy)
- Pregnancy
- Migraine
- *Appendicitis
- Bowel obstruction
- Gastroparesis (diabetes)
- Eating disorder
- Pyelonephritis
- Irritable bowel syndrome
- Vertigo
- Peptic ulcer disease
- Psychogenic vomiting, anxiety, depression
- Pain (especially visceral)
- Severe coughing
- Pancreatitis
- Cholecystitis
- Brain tumor
- Pseudotumor cerebri
- *Pancreatic carcinoma
- Hepatitis
- *Myocardial infarction
- Crohn's disease
- Glaucoma
- *Human immunodeficiency virus
- Mesenteric ischemia
- Lymphoma
- *Intracranial hemorrhage
- Intracranial abscess, meningitis
- Inner ear (e.g., labyrinthitis, Meniere's)
- Uremia
- *Diabetic ketoacidosis
- Lactose intolerance
- Food poisoning
- Thyroid disorders
- *Congestive heart failure

- Cannabinoid hyperemesis
- Diverticulitis
- Carbon monoxide
- Addison's disease, adrenal insufficiency
- Serotonin syndrome
- Cyclic vomiting syndrome
- Acute intermittent porphyria
- Parathyroid disorders
- Superior mesenteric artery syndrome



Don't miss xx
*** Commonly missed**

Neck pain

(1/25/12)

- Cervical sprain
- Osteoarthritis
- Cervical lymphadenitis
- Cervical disk disease
- Shoulder pathology
- Carotidynia
- Migraine
- Occipital neuralgia
- Torticollis
 - Subarachnoid hemorrhage
- Psychiatric
- Thyroiditis
- Fibromyalgia
 - Soft tissue space infections
 - *Myocardial infarction
- Tumor
- Pericarditis
- Meningitis
- Ludwig's angina
- Dissecting aneurysm thoracic aorta
- Internal carotid artery dissection
- Vertebral artery dissection
- Transverse myelitis
- Cervical osteomyelitis



Don't miss
*** Commonly missed**

Neck mass

(6/23/14)

Reactive viral lymphadenopathy (upper respiratory infection, infectious mononucleosis, cytomegalovirus)

Suppurative bacterial lymphadenopathy (strep throat, skin infection)

Thyroid nodule

Thyroglossal duct cyst

Benign skin cyst

Lipoma

Cat scratch disease

Dermoid cyst

Branchial cleft cyst

Laryngocele

Tumor, primary or metastatic, lymphoma

Human immunodeficiency virus

Tularemia

Vascular tumors and malformations

Mycobacteria (scrofula)

Systemic disease (sarcoid, Sjögren, Kimura, Castleman, Rosai-Dorfman)

Lyme disease

Mumps

Chancroid

Rat-bite fever

Brucellosis

Leptospirosis

Lymphogranuloma venereum

Typhoid fever

Measles

Rubella

Histoplasmosis, coccidioidomycosis, cryptococcosis

Toxoplasmosis, leishmaniasis

Secondary syphilis



Don't miss
*** Commonly missed**

Numbness, sensory loss, neuropathy

(2/13/15)

- Diabetes
- Idiopathic peripheral neuropathy
- Compression neuropathy
- Disk disease
- Carpal tunnel syndrome
- Meralgia paresthetica
- Herpes Zoster
- *Stroke
- Multiple sclerosis
- Alcoholism
- Psychiatric, hyperventilation syndrome
- Drugs (vincristine, amiodarone, lithium, others)
- Monoclonal gammopathy
 - Guillain-Barré syndrome
 - Hypothyroidism
 - Cauda equina syndrome
 - Multiple myeloma
 - Brain or cord tumor
- Amyloidosis
 - *Human immunodeficiency virus
 - Heavy metal poisoning (lead, mercury)
- Paraneoplastic syndrome
 - Hypocalcemia
- Chronic liver disease
- Renal insufficiency
- Lyme disease
- Vitamin B12, folate, B6 deficiency
- Hereditary neuropathies (e.g., Charcot-Marie-Tooth)
- Copper deficiency
- Porphyria
- Leprosy (Hansen's disease)



Don't miss
*** Commonly missed**

Pruritus

(12/16/13)

- Dry skin (xerosis)
- Atopic dermatitis
- Contact dermatitis
- Urticaria
- Bug bites
- Lichen simplex chronicus
- Scabies, lice
- Diabetes
- *Drugs (narcotics, calcium channel blocker, hydrochlorothiazide, angiotensin converting enzyme inhibitors, salicylates, chloroquine, allergic reaction, cholestasis, amphetamines, cocaine)
- Pregnancy, third trimester
- Photodermatitis
- Psychiatric (delusional parasitosis)
- Cholestasis
- Lichen planus
- Dermatitis herpetiformis
- Renal disease (uremia)
- Hepatitis C
- Human immunodeficiency virus
- Malignancy (Hodgkins lymphoma, polycythemia vera)
- Thyroid disease
- Hyperparathyroidism
- Neuropathic pruritus (diabetic neuropathy, genital neural impingement)
- *Iron deficiency anemia
- Bullous pemphigoid
- Mycosis fungoides
- Grover disease

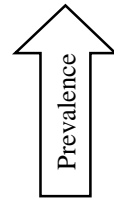


Don't miss
*** Commonly missed**

Rash, generalized

(2/13/15)

- Eczema, atopic
 - *Drug reaction
 - Contact dermatitis
 - Insect bites
 - Viral exanthem
 - Urticaria
 - Poison ivy
 - Folliculitis
 - Seborrheic dermatitis
 - Tinea versicolor
 - Psoriasis (plaque, pustular, erythroderm)
 - Tinea corporis
 - Guttate psoriasis
 - Candida
 - Keratosi pilaris
 - Pityriasis rosea
 - Lichen planus
 - Roseola
 - Scabies
 - Numular eczema
 - Fifth Disease
 - Lyme disease
 - Miliaria rubra (prickly heat), miliaria crystallina
 - Mycosis fungoides
 - Erythema multiforme
 - Dermatitis herpetiformis
 - Id reaction
 - Scarlet Fever
 - Stevens-Johnson syndrome
 - Kawasaki's disease
 - Unilateral lateral thoracic syndrome
 - Chicken pox (Varicella)
 - Human immunodeficiency virus acute exanthem
 - Lupus (subacute cutaneous)
 - Disseminated bullous impetigo
 - Eruptive xanthomas
- Erythema nodosum
 - Generalized granuloma annulare
 - Toxic shock syndrome
 - Swimmer's itch, Seabather's eruption
 - Meningococcemia
 - Rocky Mountain Spotted Fever
 - Secondary syphilis
 - Disseminated varicella zoster
 - Measles
 - Rubella
 - Sweet's syndrome
 - Grover's disease
 - Acute generalized exanthematous pustulosis
 - Dermatomyositis
 - Darier's disease
 - Leprosy (Hansen's disease)



Don't miss
*** Commonly missed**

Red eye

(2/7/12)

- Viral conjunctivitis
- Allergic conjunctivitis
- Stye (hordeolum)
- Chalazion
- Blepharitis
- Dry eye syndrome (keratoconjunctivitis sicca)
- Subconjunctival hemorrhage
- Contact lens over wear
- Episcleritis
- Foreign body
- Corneal abrasion
- Trauma
- Herpes zoster
- Chlamydia
- Bacterial conjunctivitis
- Scleritis
- Chemical burn
- Iritis (acute anterior uveitis)
- Keratitis, bacterial or viral
- Acute angle closure glaucoma
- Hyperthyroidism
- Cluster headache

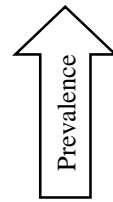


Don't miss
*** Commonly missed**

Red skin patch

(8/20/14)

- Cellulitis
- Candida
- Eczema, atopic
- Nummular eczema
- Contact dermatitis
- Bug bite reactions
- Impetigo
- Psoriasis
- Tinea
- Pityriasis rosea herald patch
- Basal cell carcinoma
- Discoid lupus
- Fixed drug eruption
- Lyme disease
- Mycosis fungoides



Don't miss
*** Commonly missed**

Rhinorrhea, nasal congestion

(5/18/15)

- Viral upper respiratory infection
- Allergic Rhinitis
- Vasomotor rhinitis
- Sinusitis
- Septal deviation
- Rhinitis of pregnancy
- Nasal polyps
- Rhinitis medicamentosa
- Adenoid hypertrophy
- Gustatory rhinitis
- Foreign body
 - Cerebrospinal fluid rhinorrhea
- Nonallergic rhinitis with eosinophilia syndrome
- Intranasal cocaine
- Medications (estrogen, progesterone, aspirin, nonsteroidal antiinflammatory drugs, clonidine, prazosin, doxazosin, beta blockers, calcium channel blockers, thiazides, angiotensin converting enzyme inhibitors, erectile dysfunction drugs, amitriptyline, risperidone, gabapentin)
- Atrophic rhinitis
 - Cystic fibrosis
 - Nasal tumors
- Ovulatory rhinitis
 - Hypothyroidism
- Wegener's granulomatosis
 - Midline granuloma
- Sarcoidosis



Don't miss
*** Commonly missed**

Scrotal pain

(1/28/12)

- Idiopathic orchialgia
- Epididymitis
- Orchitis (e.g., mumps, viral, bacterial)
- Post-vasectomy pain syndrome
- Inguinal hernia
- Ureteral stone
- Hydrocele
- Varicocele
 - Testicular torsion
- Acute idiopathic scrotal edema
- Torsion of appendix testis
 - Fornier's gangrene
 - Testicular cancer
- Henoch Schonlein purpura



Don't miss
*** Commonly missed**

Seizure and seizure mimics

(1/25/12)

- Febrile seizures
- Breath holding spells (children)
- Imitators (vasovagal syncope, pseudoseizures (now called psychogenic nonepileptic events), transient ischemic attack, arrhythmia, migraine)
- Epilepsy (idiopathic)
- Alcohol and drug withdrawal (benzodiazepines)
- Head trauma
- Hypoglycemia
- Hyponatremia
- Sandifer's syndrome
- Parasomnias
- Tics
- Hypoxia
- *Stroke
- Brain tumor
- Meningitis, encephalitis
- Vasculitis (systemic lupus erythematosus)
- Drug intoxication (cocaine, amphetamines)
- Uremia
- Hypomagnesemia
- Hypocalcemia



Don't miss
*** Commonly missed**

Shoulder pain

(5/13/14)

Shoulder joint disease (rotator cuff tendinopathy, bicipital tendinitis, labral tear, adhesive capsulitis, glenohumeral arthritis, acromioclavicular joint arthritis, labral tear)

Cervical radiculopathy (arthritis, disk, tumor)

Fibromyalgia

Biliary disease

*Myocardial ischemia, infarction

Intra-abdominal bleeding (ectopic, ruptured ovarian cyst)

*Pneumonia

Polymyalgia rheumatica

Herpes zoster

Brachial plexitis/neuritis (Parsonage-Turner syndrome)

*Lung tumor, Pancoast tumor

*Pulmonary embolus

Psychiatric

Ruptured abdominal viscus

Ruptured spleen

Avascular necrosis humeral head

Abdominal malignancy

Pericarditis



Don't miss
*** Commonly missed**

Sinus tachycardia

(6/22/15)

Anxiety, emotional stress

Pain

Recent physical exertion

COPD

Infections, fever

Pregnancy (10 to 20 BPM at term)

*Drugs (alcohol, amitriptyline, amphetamines, anticholinergics,
beta blocker withdrawal, bupropion, caffeine,
cilostazol, cocaine, ephedrine, epinephrine,
isoproterenol, nicotine)

Diabetic cardiovascular autonomic neuropathy

*Myocardial infarction

*Pulmonary embolus

*Pneumonia

*Anemia

Hemorrhage

Hypotension, shock

Hypovolemia, dehydration

Hyperthyroidism

Hypoglycemia

Heart failure, pulmonary edema

Cardiomyopathy, myocarditis

Pericarditis

Acute mitral regurgitation

Pneumothorax

Aortic insufficiency

Hypoxia

Serotonin syndrome

Neuroleptic malignant syndrome

Inappropriate sinus tachycardia

Postural orthostatic tachycardia syndrome (POTS)

Chronic nonparoxysmal sinus tachycardia

Pheochromocytoma



Don't miss
*** Commonly missed**

Sore throat, pharyngitis

(9/15/15)

Viral pharyngitis
Allergies
 Group A streptococci
Infectious mononucleosis
Cytomegalovirus
Influenza
Thrush
Uvulitis
Smoking
Dry air
Reflux esophagitis
 Peritonsillar abscess
Mycoplasma
 Angioedema
Herpes simplex
Acute thyroiditis
 Retropharyngeal space infection
 Submandibular space infection
Arcanobacterium haemolyticum
Primary human immunodeficiency virus
Gonorrhea
Epiglottitis
*Repeated strangulation in domestic abuse
Chlamydia pneumoniae
Tularemia
Lemierre syndrome (Fusobacterium necrophorum)
Diphtheria

Don't miss
*** Commonly missed**

Stroke and stroke mimics

(8/26/15)

- Ischemic stroke
- Migraine
- Benign headache
- Benign positional vertigo
 - Intracerebral hemorrhage
 - Subdural hemorrhage
 - Subarachnoid hemorrhage
- Brain tumor
- Todd's Palsy (following seizure)
 - Hypoglycemia
 - *Drug intoxication
- Syncope
 - Head trauma
- Labyrinthitis
- Peripheral neuropathy
- Psychiatric (conversion reaction)
 - Systemic infection
 - Central nervous system infection
- Multiple sclerosis
 - Hyponatremia
- Hepatic encephalopathy
- Guillain Barre'
- Transient global amnesia
 - Aortic dissection
- Acute renal failure



Don't miss
*** Commonly missed**

Sweating, excessive, hyperhidrosis, night sweats (1/25/12)

Excess environmental heat

Idiopathic, benign

Menopausal hot flashes

Anxiety

*Drugs (antidepressants, triptans, antipyretics, tamoxifen, raloxifene, alcohol, beta blockers, calcium channel blockers, omeprazole, opioids, tramadol, insulin, sulfonylureas, niacin, sildenafil)

Hyperthyroidism

Gastroesophageal reflux disease

Tuberculosis

Human Immunodeficiency Virus

Endocarditis

Bacterial infections

Hepatitis C

Carcinoid

Hypoglycemia

*Malignancy (lymphoma, solid tumors)

*Stroke

Autonomic dysreflexia

Autonomic neuropathy

Food additives

Valley Fever (Coccidiomycosis)

Mastocytosis

Spinal cord injury

Pheochromocytoma



Don't miss
*** Commonly missed**

Syncope, near syncope

(7/13/15)

Vasovagal (emotion, pain, fear, prolonged standing, heat, exertion, cough, micturition, no trigger)

Orthostatic hypotension

Hyperventilation

*Drugs, alcohol

Panic attack

Autonomic insufficiency

Valsalva

*Anemia

Arrhythmias

Hypoglycemia

Seizure, pseudoseizure

GI bleeding

Valvular heart disease, aortic stenosis

*Pulmonary embolus

*Myocardial infarction

Hypoxia

Aortic dissection

Adrenal insufficiency, Addison's disease

Long QT syndrome

Brugada syndrome

Hypertrophic cardiomyopathy

Pulmonary hypertension

Carotid sinus sensitivity

Cardiac tamponade

*Cerebrovascular (TIA, stroke)

Atrial myxoma



Don't miss
*** Commonly missed**

Tinnitus

(3/17/15)

Idiopathic

Presbycusis

Noise-induced hearing loss

Meniere's disease

Drugs (aspirin, antibiotics, loop diuretics, chemotherapy)

Temporomandibular joint disorder

Acoustic neuroma

Congenital hearing loss

Cochlear trauma, barotrauma

Vascular, pulsatile (arteriovenous malformation, bruit, fistula)

Stroke

Otosclerosis

Multiple sclerosis

Patulous eustachian tube

Vestibular schwannoma

Glomus tumor



Don't miss
*** Commonly missed**

Tremor

(1/25/12)

- Physiologic tremor
- Essential tremor, familial tremor
- Anxiety
- Parkinson's disease
 - Hyperthyroidism
 - Tardive dyskinesia
- Medications (bronchodilators, caffeine, steroids, lithium, sympathomimetics, antipsychotics, metoclopramide, tricyclics, valproic acid)
- Drug withdrawal (alcohol)
- Psychogenic tremor
- Orthostatic tremor
 - Cerebellar disease
 - Midbrain stroke
- Multiple sclerosis
 - Serotonin syndrome
 - Carcinoid
- Hepatic encephalopathy
 - Wilson's disease
 - Pheochromocytoma



Don't miss
*** Commonly missed**

Urinary symptoms (dysuria, frequency, urgency) (4/8/15)

- Urinary tract infection
- Urethritis (chlamydia, gonococcus, unknown)
- Vaginitis
- Atrophic vaginitis
- Genital herpes
- Interstitial cystitis (painful bladder syndrome)
- Overactive bladder
- Idiopathic urgency incontinence
- Irritant urethritis
- Daytime frequency of childhood syndrome
- Prostatitis
- Reactive arthritis (Reiter's syndrome)
- Hypercalciuria
- Psychiatric
- Appendicitis
- Diverticulitis



Don't miss
*** Commonly missed**

Vertigo

(1/25/12)

- Benign paroxysmal positional vertigo
- Meniere's disease
- Vestibular neuronitis, acute labyrinthitis
- Acoustic neuroma
- Post-concussion syndrome
- Otitis media
- Barotrauma, ruptured oval window, perilymph leak
- Migrainous vertigo
- Otosclerosis
- Vertebral artery dissection
- Multiple sclerosis
- *Brain stem stroke
- Psychiatric
- Drugs (gentamicin, furosemide, phenytoin, aminoglycosides, diazepam, aspirin, alcohol)



Don't miss
*** Commonly missed**

Weakness (objective muscle weakness)

7/28/15

- Cachexia
- Stroke
- Disuse atrophy
- Hypokalemia
- Rhabdomyolysis
- Drugs (cocaine, heroin, alcohol, corticosteroids, colchicine, antimalarial drugs, statins)
- Hyponatremia
- Compression neuropathy (e.g., Saturday night palsy)
- Multiple sclerosis
- Myasthenia gravis
- Muscular dystrophy
- Peripheral neuropathy
- Polymyositis
- Dermatomyositis
- Hypothyroidism
- Cushing's syndrome
- Amyotrophic lateral sclerosis
- Inclusion body myositis
- Hypophosphatemia
- Hypocalcemia
- Viral infections
- Lyme myositis
- Trichinosis
- Toxoplasmosis



Don't miss
*** Commonly missed**

Weight loss

(7/9/15)

Depression
Chronic obstructive pulmonary disease
*Drugs
Dementia
*Malignancy, lymphoma
Eating disorder
Anorexia of aging
*Diabetes
Hyperthyroidism
*Human immunodeficiency virus
*Tuberculosis
Adrenal insufficiency
Uremia
Liver disease, hepatitis
Heart failure
Alcohol
Illicit drugs
Social factors (isolation, no money)
Voluntary (exercise)
Intestinal parasites
Celiac disease
Malabsorption
Swallowing disorders
Valley fever (Coccidiomycosis)
Lupus
Hypopituitarism
Inflammatory bowel disease
Wegener's granulomatosis
Polyarteritis nodosa
Whipple's disease



Don't miss
*** Commonly missed**

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