

# Cardiovascular

Idiopathic cardiovascular disease	peripheral vascular disease
Cardiomyopathy	varicose veins
right-sided and left-sided congestive heart failure	aortic aneurysm
aortic valve stenosis, mitral, pulmonary, and tricuspid valves	cerebral aneurysm
insufficiency of aortic, mitral, pulmonic, and tricuspid valves	primary hypertension
mitral valve prolapse	secondary hypertension
Orthostatic Hypotension	hypertensive crisis
Angina	pulmonary hypertension
Endocarditis	hypotension
Myocarditis	Athletes Heart
Pericarditis	Elevated cholesterol (hyperlipidemia/hypertriglyceremia)
temporal arteritis/giant cell arteritis	syncope
vasculitis	cluster headache
atherosclerosis	migraine headache
thrombophlebitis	Coronary artery disease (CAD)
hypovolemic shock	Cardiovascular Autoimmune disease
chest injuries with cardiovascular implications	<u>arrhythmias</u>
arterial malformations	atrial fibrillation
congenital heart disorders	atrial and ventricular premature beats
atrial septal defect	heart block
coarctation of the aorta	premature ventricular contractions/ventricular ectopic beats
patent ductus arteriosus	sinus bradycardia
Tetralogy of Fallot	sinus tachycardia
ventricular septal defect	supraventricular tachyarrhythmias
chronic arterial insufficiency/chronic venous insufficiency	ventricular fibrillation
	ventricular tachycardia

POTS (Postural Orthostatic Tachycardia Syndrome)	<u>Blood and lymph</u>
Idiopathic arrhythmia	Lymphadenitis
	Lymphangitis
	Phlebitis
<u>Ischemic conditions</u>	Lymphedema
ischemic heart disease	central edema
myocardial infarction	peripheral edema
cardiac arrest	pulmonary edema
cerebrovascular accident	intermittent claudication
transient ischemic attack (TIA)	post-surgery lymphedema
stroke	post-oncologic radiation lymphedema
gangrene	cellulite
embolism	

## Dermatology

Pemphigus Vulgaris	
Hyperhidrosis	verrucae
Molluscum Contagiosum	acne rosacea
Bacterial skin infections	acne vulgaris
Fungal skin infections	pityriasis alba and rosea
Warts	seborrheic dermatitis
Photosensitivity	contact dermatitis
Sunburns	eczema
Lichenification	erythema multiforme
Lipoma	urticaria
sebaceous cysts	alopecia areata
seborrheic keratosis	lichen planus
acrochordon/skin tag	lichen sclerosus

pemphigus vulgaris	Scabies
bullous pemphigoid	Onychomycosis
psoriasis	Melasma
vitiligo	Hyperpigmentation conditions
Henoch-Schonlein purpura	Dermatitis
stasis dermatitis	Misc dermatitis
actinic keratosis	Stretch marks
Folliculitis	Wrinkles
Impetigo and Ecthyma	Skin anti-aging
Lice	Autoimmune disease of the skin
skin trauma [wounds, bites, bumps, foreign bodies]	

## Endocrinology

Multiple Endocrine Neoplasia

Syndrome of Inappropriate ADH Secretion (SIADH)

Hyposecretion	Hypothyroidism
Hypersecretion	toxic and non-toxic goiter
Acid-base disorders	multinodular goiter
Electrolyte disorders (hyponatremia, hypokalemia, hypocalcemia etc)	Addison's disease
diabetes insipidus	Cushing's disease
diabetes mellitus	Conn's syndrome
Hyperparathyroidism	Anovulation
hypoparathyroidism	polycystic ovary syndrome
Hyperthyroidism	menstrual disorders of hormonal origin [Amenorrhea, Menorrhagia]

menopause/perimenopause	Lipodystrophy
endocrine causes of female and male infertility	Endocrine neoplasms
endocrine causes of erectile dysfunction	Adrenal Disorders
pre-menstrual syndrome	Pancreatic Disorders (pancreatitis)
Gynecomastia	Pituitary
galactorrhea	Parathyroid
type II [2] diabetes	Thyroid (hyperthyroidism, Hypothyroidism)
insulin resistance	vaginal atrophy
hypoglycemia	
metabolic causes of infertility	<u>Conditions related to pregnancy and lactation</u>
Klinefelter's syndrome	gestational diabetes
21-hydroxylase deficiency	hyperemesis gravidarum
mastalgia	lactation disorders
Autoimmune disease of endocrine organs	Hyperkalemia
Obesity/weight gain	Amyloidosis
Metabolic syndrome	
Transgender support	
Low libido	

## EENT (ears, eyes, nose, throat)

External and inner ear disorders	
sialolithiasis	Cataract
Laryngitis	Glaucoma
cleft lip/palate	hypertensive retinopathy
Dysphagia	diabetic retinopathy
ruptured tympanic membrane	macular degeneration
sinus headache	otosclerosis

Coat's disease	allergic rhinitis
retinal detachment	sinusitis
Chalazion	nasal polyps
Conjunctivitis	papilledema
Dacryocystitis	Meniere's disease
Pterygium	Corneal disease
Uveitis	Misc retinal disease
Labyrinthitis	Autoimmune disease of the eye or ear
vestibular neuronitis	
vestibulitis	

## Environmental Medicine

carbon monoxide poisoning	
heat exhaustion	<u>Toxic chemicals</u>
frostbite	Organophosphates
hypothermia	Organochlorines
multiple chemical sensitivity	polychlorinated biphenyls [PCBs]
pulmonary oxygen toxicity	chlorinated pesticides
Insect Bites/Stings	dioxins
Detoxification	volatile solvent
Electromagnetic hypersensitivity (EMF sensitivity)	drug or alcohol addiction
Surgical implant hypersensitivity/adverse reactions	radiation sickness/toxicity
Mold toxicity	Misc. chemical toxicity
Pesticide toxicity	Drug-induced toxicity
Chemical toxicity	<u>Manifestations of vitamin toxicity</u>
Toxic smoke exposure	vitamins A, D, E, K, pyridoxine
	<u>Manifestations of mineral toxicity</u>

Iron	Arsenic
Iodine	Lead
Fluorine	Mercury
Copper	Cadmium
Selenium	Thallium
Manganese	Tin
Chromium	Antimony
Zinc	Bismuth
Nickel	Palladium
Lithium	platinum
Vanadium	Misc metal toxicity
Aluminum	

## Gastroenterology

Celiac disease,	
anal stenosis	ileus
infantile colic	intestinal obstruction
encopresis	GERD
Hirschsprung's disease	NERD (non-erosive reflux disease)
Intussusception	Duodenogastroesophageal (DGES) (Biliary reflux)
meconium ileus	hiatal hernia
pyloric stenosis	hypochlorhydria
familial polyposis coli	fistula
lactose intolerance	inguinal hernia
Gastroenteritis	umbilical hernia
Motion Sickness	gastrointestinal polyps
Diarrhea	Meckel's diverticulum

rectal prolapse	oral thrush
acid reflux	intestinal dysbiosis
Barrett's esophagitis	gastrointestinal abscess
eosinophilic esophagitis	proctocolitis
esophageal strictures	Hemorrhoids
gastric ulcer	Constipation
gastritis	esophageal varices
peptic ulcer disease	hepatobiliary disorders (Cholelithiasis and Primary Sclerosing Cholangitis, Cirrosis, Biliary Dyskinesia etc.)
pancreatitis	cirrhosis
splenomegaly	Cholelithiasis
appendicitis	cholecystitis
diverticulitis/diverticulosis	Hepatic steatosis/fatty liver disease [NASH, NAFLD, alcohol-related fatty liver disease etc]
duodenal ulcer	Carcinoid
irritable bowel syndrome (IBS)	multiple endocrine neoplasia [MEN1/MEN2])
Small intestinal bowel overgrowth (SIBO)	autoimmune disease of the GI system (IBD, microscopic colitis, autoimmune hepatitis etc.)
anorectal strictures	Cyclic vomiting syndrome
cryptitis	Cannabinoid hyperemesis syndrome
fissures	
proctitis	
Dyspepsia/indigestion	

## Gynecology/Obstetrics

post-partum symphysis pubis dysfunction	sperm disorders
mastalgia	infertility
ovulatory dysfunction	menopause/perimenopause support

menstrual abnormalities	Gestational hypertension
sexual dysfunction	Antepartum anemia
uterine fibroids	Intrauterine growth restriction
Vaginitis	Hyperemesis gravidarum
Cervicitis	Oligohydramnios
Pelvic Inflammatory disease PID,	Pemphigoid gestationis
gestational trophoblastic disease/hydatidiform mole	Placenta previa
Adenomyosis	Polyhydramnios
cervical polyps	Preeclampsia and Eclampsia
uterine polyps	Pruritic, Urticular
cervical dysplasia	Papules and Plaques of Pregnancy
endometrial hyperplasia	<u>Obstetric emergencies</u>
endometriosis	Eclampsia
Nabothian cysts	ectopic gestation
fibroadenoma	precipitous birth
fibrocystic breasts	placenta previa
uterine prolapse	post-partum hemorrhage
vaginal prolapse	pre-term labor
endometritis	prolapsed cord
Bartholin's cyst	Rh factor incompatibility
<u>Abnormalities of pregnancy</u>	threatened and spontaneous abortion
Abruption placentae	autoimmune disease of the male or female reproductive systems
Cervical insufficiency	Transgender support
Ectopic pregnancy	

## Hematology

Thrombocytopenia	basophilia
Antiphospholipid antibody syndrome	alpha-thalassemia
Hyperhomocysteinemia	beta-thalassemia
Iron deficiency	glucose-6-phosphate dehydrogenase deficiency
Megaloblastic	hemochromatosis/Hemosiderosis
Anemia of chronic disease	sickle cell disease
Thalassemias	hemophilia
Splenomegaly	Von Willebrand disease
hyperlipidemia	idiopathic thrombocytopenic purpura
disseminated intravascular coagulation	acute intermittent porphyria
thrombosis	erythropoietic protoporphyrja
Serum Sickness	porphyria cutanea tarda
Myeloproliferative disease	familial hypercholesterolemia
post-hemorrhagic anemia	hereditary spherocytosis
anemias - aplastic, hemolytic, macrocytic, microcytic, normocytic,	Wiskott Aldrich syndrome
anemia of chronic disease	Methylenetetrahydrofolate reductase [MTHFR] gene variant
neutropenia	Autoimmune disease of the blood
eosinophilia	

## Oncology

Supportive Cancer Therapies	secondary polycythemia
Treatments for the prevention of side effects of chemotherapy/radiotherapy and post surgical therapies	myelodysplastic Syndrome
Leukemias	Gingival
Hodgkin's and non-Hodgkin's lymphoma	Laryngeal
multiple myeloma	Tonsillar
polycythemia vera	oral
	lung adenocarcinoma
	mesothelioma

Pancoast tumor	sarcoma
small/oat cell carcinoma	teratoma
squamous cell carcinoma	testicular cancer
basal cell carcinoma	urinary tract cancer
Kaposi's sarcoma	uterine cancer
Melanoma	vulvar cancer
squamous cell carcinoma	colon cancer
Adenocarcinoma	bone cancer
cervical cancer	brain cancer
endometrial cancer	colorectal cancer
leiomyoma	lung cancer
breast cancer tumour suppressor [BRCA1, BRCA2] gene defectovarian cancer	breast cancer [DCIS, LCIS, inflammatory, invasive]
prostate cancer	Paget's disease of the breast
renal cell carcinoma	

## Infectious Disease

malaria	Intestinal Parasites
septicemia	cholera
Lyme disease	amoebic dysentery
Cytomegalovirus	E. Histolytica, Giardia
Epstein–Barr virus	helminths [flat worms, flukes]
Mononucleosis	round worms [Ascaris, pinworms, schistosomiasis]
herpes simplex	bacterial gastroenteritis
human immunodeficiency virus	bacterial dysentery
systemic candidiasis	Salmonella
disseminated candidiasis	Shigella
group A streptococcus	Campylobacter
Gastro-intestinal infections	

Escherichia coli [E. coli]	
foodborne illness	septic arthritis
enterotoxigenic gastroenteritis	osteomyelitis
viral gastroenteritis	reactive arthritis
postantibiotic Clostridium colitis	misc musculoskeletal infections
peritonitis	<u>Neurological</u>
hepatitis [A, B and C]	Tetanus
bacterial enterocolitis	Botulism
misc GI infections	Encephalitis
	herpes zoster
<u>Head and neck</u>	meningitis
Pharyngitis	neuritis
Hordeolum	rabies
orbital cellulitis	poliomyelitis
otitis	Misc neurologic infections
vertigo caused by inner ear infections	
dental abscess	<u>Respiratory</u>
gingivitis	Blastomycosis
stomatitis	Coccidioidomycosis
laryngitis	Histoplasmosis
tonsillitis	Influenza
parotitis	Bronchiolitis
peritonsillar abscess	Bronchitis
retropharyngeal abscess	lung abscess
mastoiditis	pleural empyema [pyothorax]
viral thyroiditis [De Quervain's thyroiditis]	pneumonia
Misc Head and neck infections	tuberculosis
	common cold
<u>Musculoskeletal</u>	cough

coronavirus	vaginosis
pleuritis	balanitis
Misc respiratory infections	epididymitis
	orchitis
<u>Skin and nails</u>	warts
mucocutaneous candidiasis	human papillomavirus
carbuncles	prostatitis
cellulitis	Misc genitourinary infections
folliculitis	
furuncles	<u>Sexually transmitted infections</u>
impetigo	Chancroid
necrotizing fasciitis	Chlamydia
onychomycosis	Gonorrhea
paronychia	herpes genitalis (HSV1 and 2)
pediculosis	lymphogranuloma venereum
scabies	phthirus pubis
tinea	syphilis
staphylococcus aureus	trichomoniasis
Misc skin and nail infections	Misc sexually transmitted infections

#### Genitourinary

poststreptococcal glomerulonephritis  
 pelvic inflammatory disease  
 toxic shock syndrome  
 pyelonephritis  
 cystitis  
 urethritis  
 bacterial vaginitis  
 vaginal candidiasis

#### Conditions critical in pregnancy

Rubella  
 group B streptococcus  
 toxoplasmosis  
 cytomegalovirus  
 Misc pregnancy infections

#### Breast

mastitis

Misc breast infections	
	rubella
<u>Conditions generally pertaining to pediatrics</u>	
Diphtheria	streptococcal pharyngitis
scarlet fever	thrush
encephalitis	varicella
erythema infectiosum	croup
hand-foot-mouth disease	molluscum contagiosum
herpangina	epiglottitis
meningitis	infant respiratory distress syndrome
mumps	respiratory syncytial virus
otitis media	rotavirus
pertussis	misc Pediatric infections
roseola	
measles	<u>Travel</u>
	Traveller's diarrhea
	Misc traveller's infections

## Nephrology

Nephropathy	polycystic kidney disease
Nephrosclerosis	renal glucosuria
renal failure	Wilson's syndrome
hemolytic uremic syndrome	kidney stones
Glomerulonephritis	Nephrolithiasis
Nephritis	Autoimmune disease of the kidneys
Nephrosis	Misc kidney disease
nephrotic syndrome	

## Genitourinary

benign prostatic hyperplasia (BPH)	enuresis
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urinary incontinence	erectile dysfunction
Hypospadias	interstitial cystitis
Epispadias	Prostatitis
Cryptorchidism	Urinary tract infection (UTI)
Paraphimosis	Bladder infections (cystitis)
Phimosis	
trauma to genitourinary tract	Autoimmune disease of the genitourinary system
Dyspareunia	
testicular torsion	

## Neurologic Disorder

Astrocytoma	tuberous sclerosis
Glioma	Huntington's disease
Meningioma	neural tube defects
neuroma	seizure disorders [epileptic, focal, generalized]
Neuralgia	temporomandibular joint disorder
Neuropathy	vertigo
dementia [Alzheimer's, pre-senile, senile]	dizziness
Parkinson's disease/Parkinsonism	motion sickness
amyotrophic lateral sclerosis	benign paroxysmal positional vertigo
acute inflammatory demyelinating neuropathy	upper motor neuron lesion
Guillain-Barre syndrome	injuries
Radiculitis	shock
Bell's palsy	nerve compression syndrome
trigeminal neuralgia	Neuromas
post-polio syndrome	Brain Fog
Neurofibromatosis	Tourette's syndrome

## Orthopedic/musculoskeletal

avascular necrosis of the femoral head	epicondylitis
tension headache	de Quervain's tenosynovitis
Chondromas	trigger finger
Osteochondromas	costochondritis
osteoid osteoma	chondromalacia patella
osteomas	complex regional pain syndrome
sarcomas	chronic fatigue syndrome
Osteoarthritis	fibromyalgia
Osteochondrosis	osteitis deformans
Osteopenia	Paget's disease of bone
Osteoporosis	Dupuytren's contracture
ganglion cyst	muscular dystrophy
discopathy [cervical, thoracic, lumbar]	achondroplasia
spondylosis	congenital hip dislocation
facet syndrome	internal tibial torsion
kyphosis	femoral anteversion
scoliosis	juvenile rheumatoid arthritis
lordosis	Legg-Calve Perthes disease
spondylolisthesis	Osgood-Schlatter disease
hallux malleus/hammer toes	subluxation of radial head/nursemaid' s elbow
spinal stenosis	osteochondrosis
polymyalgia rheumatica	rickets
Bursitis	Duchenne's Muscular dystrophy
Tendinitis	Marfan's syndrome
adhesive capsulitis	rotator cuff injury

tendinopathy	strains
ulnar nerve entrapment	tears
carpal tunnel syndrome	tendon rupture
thoracic outlet syndrome	whiplash
sciatica	nerve root entrapment
iliotibial band syndrome	Gout
meniscal and ligament disorders	Osteomalacia
patellofemoral disorders	ankylosing spondylitis
medial tibial syndrome	myasthenia gravis
bunion	dermatomyositis
Baker's cyst	Reiter's syndrome
plantar fasciitis	rheumatoid arthritis
disc herniation	reactive arthritis
post-calcaneal neuroma	psoriatic arthritis
disc rupture	multiple sclerosis [MS]
dislocation	polymyositis
fracture	Degenerative disc disease (DJD)
separations	Autoimmune orthopedic or musculoskeletal diseases
sprains	Misc Orthopedic/musculoskeletal disease

## Pediatrics

trauma [emotional, physical, and sexual abuse]	hemangioma
Leukemia	failure to thrive congenital hypothyroidism
Ewing's sarcoma	Fanconi's syndrome
Neuroblastoma	glycogen storage diseases
Wilms' tumor	galactosemia
Osteosarcoma	Phenylketonuria [PKU])
Retinoblastoma	retinopathy of prematurity

Down syndrome	Turner's syndrome
severe combined immunodeficiency	Developmental delays
Chediak-Higashi Syndrome	Pediatric autoimmune disease
Food sensitivities	

## Psychiatry

delusional disorder	anorexia nervosa
brief reactive psychosis	orthorexia
schizophrenia and schizophrenoid disorders	bulimia nervosa
bipolar disorder	binge eating
cyclothymia	pedophilia
depression	sadism/masochism
dysthymia	voyeurism
mania	Paranoid
generalized anxiety disorder	Schizoid
obsessive-compulsive disorder	Schizotypal
panic disorder	Antisocial
phobias	Borderline
post-traumatic stress disorder (PTSD)	Histrionic
hyperventilation syndrome	Narcissistic
adjustment disorder with physical complaints	Avoidant
conversion disorder	Dependent
hyperventilation syndrome	obsessive-compulsive disorder (OCD)
hypochondriasis	post-partum depression
malingering	post-partum anxiety
Munchausen syndrome	global developmental disorders
Munchausen syndrome by proxy	autism spectrum disorder
somatization	learning disorders

attention deficit (hyperactivity) disorder (ADD/ADHD)	night terrors
conduct disorder	delirium
oppositional defiant disorder	Depression
pervasive developmental disorders	Immobility
separation anxiety disorder	social isolation
somnambulism	loss and grief
	dementia

## Pulmonology/Respirology

Asthma	Mold
Bronchiectasis	pulmonary oxygen toxicity
pleural effusion	chronic bronchitis
acute respiratory distress syndrome	emphysema
atelectasis	pulmonary fibrosis
pneumothorax	pulmonary infarction
pulmonary embolism	Cystic Fibrosis
airway obstruction	sleep apnea
thoracic injuries with pulmonary implications	snoring
Pneumoconiosis	autoimmune pulmonary disease

## Rheumatology/auto immune

systemic lupus erythematosus [SLE]	Graves' disease
scleroderma	<u>Genitourinary</u>
Sjogren's syndrome	immunologic causes of infertility
Sarcoidosis	IgA nephropathy
Raynaud's disease [primary Raynaud's phenomenon]	<u>Conditions critical in pregnancy</u>
Hashimoto's thyroiditis	

pruritic urticarial papules and plaques of pregnancy	inflammatory bowel disease [Crohn's disease and ulcerative colitis]
rheumatic fever	Microscopic colitis
rheumatic heart disease	primary biliary sclerosis
necrotizing vasculitis	latent autoimmune diabetes of adults [LADA]
polyarteritis nodosa	type I [1] diabetes
temporal arteritis	autoimmune hepatitis
vasculitis	<u>Immunologic</u>
granulomatosis with polyangiitis [GPA]	IgA deficiency
	hereditary angioedema
<u>Gastrointestinal</u>	<u>Immunodeficiency</u>
celiac disease	chronic granulomatous disease
non-celiac gluten sensitivity	Bruton's agammaglobulinemia
pernicious anemia	

#### Hypersensitivity disorders/Allergic reactions

allergies (food, environmental etc..)  
anaphylaxis,  
angioedema

## Lifestyle Medicine/Preventative Medicine

Maintenance of good health	Tobacco
protein-energy malnutrition	Alcohol
kwashiorkor	prescription and street drugs
marasmus	Burns
obesity	<u>Manifestations of vitamin deficiency</u>
metabolic syndrome	vitamins A, C, D, E, K
	thiamin
<u>Substance abuse</u>	riboflavin

niacin	magnesium
pyridoxine	<u>conditions commonly associated with aging</u>
cobalamin [B12]	loss of balance and flexibility
folate	vision impairment
<u>Manifestations of mineral deficiency</u>	hearing impairment
Iron	undernourishment and malnourishment
Iodine	muscle and joint pain
Fluorine	pressure ulcers
Zinc	trauma [elder abuse]
Copper	wrinkles
Selenium	
Manganese	<u>Nutragenomics</u>
chromium	Single nucleotide polymerase (SNP) deficiencies
Calcium	

# **Pharmacokinetic**

Drug metabolism dysfunction

Cytochrome p450 deficiencies

# **Clinical Pharmacology**

Adverse drug reactions

Drug nutrient depletion

Management of drug side effect

Acute drug withdrawal support

Drug tapering support