

List of Drug Of Choice

Drug of Choice

ANESTHETIC AGENT OF CHOICE

<ul style="list-style-type: none">• Day care	Propofol ^Q
<ul style="list-style-type: none">• Ischemic heart disease	Etomidate ^Q
<ul style="list-style-type: none">• Congenital heart disease (left to right shunt): ASD, VSD, PDA	Sevoflurane ^Q
<ul style="list-style-type: none">• Congenital heart disease (right to left shunt)• Congestive heart failure• Shock• Asthma & COPD	Ketamine ^Q
<ul style="list-style-type: none">• For producing deliberate hypotension• Cardiac surgery• Neurosurgery	Isoflurane ^Q
<ul style="list-style-type: none">• Epilepsy• Thyrotoxicosis	Thiopentone ^Q
<ul style="list-style-type: none">• For electroconvulsive therapy	Methohexitone ^Q

ANTIMICROBIALS OF CHOICE FOR PROPHYLAXIS

<ul style="list-style-type: none">• Mycobacterium avium complex (MAC) Pertusis	Azithromycin ^Q
<ul style="list-style-type: none">• Group B streptococcal infection	Ampicillin ^Q
<ul style="list-style-type: none">• Endocarditis & Otitis media	Amoxycillin ^Q
<ul style="list-style-type: none">• Rheumatic fever	Benzathine penicillin ^Q
<ul style="list-style-type: none">• Gonorrhoea & Syphilis	Procaine penicillin ^Q
<ul style="list-style-type: none">• Surgical prophylaxis	Cefazoline ^Q
<ul style="list-style-type: none">• Rickettsial infections & Plague	Tetracycline ^Q
<ul style="list-style-type: none">• Anthrax	Doxycycline ^Q
<ul style="list-style-type: none">• Toxoplasmosis, Pneumocystis jirovecii UTI	Trimethoprim sulphamethoxazole ^Q
<ul style="list-style-type: none">• Influenza type A & B	Oseltamavir ^Q
<ul style="list-style-type: none">• Hemophilus influenza type B	Rifampicin ^Q

DRUG OF CHOICE IN BRONCHIAL ASTHMA

<ul style="list-style-type: none">• Acute attack of bronchial asthma• Acute attack of bronchial asthma in pregnancy• Exercise & aspirin induced acute attack of bronchial asthma	Salbutamol ^Q
<ul style="list-style-type: none">• Acute attack of bronchial asthma during labour• Acute attack of bronchial asthma on beta blockers therapy	Ipratropium ^Q
<ul style="list-style-type: none">• Prophylaxis of bronchial asthma, Exercise induced, aspirin induced bronchial asthma	Corticosteroids ^Q

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DRUG OF CHOICE IN ENDOCRINOLOGICAL DISORDERS

<ul style="list-style-type: none">Osteoporosis (post-menopausal or steroid induced)	Alendronate ^q
<ul style="list-style-type: none">Hypercalcemia of malignancyPaget's disease of bone	Bisphosphonate ^q
<ul style="list-style-type: none">AcromegalyHyperprolactinemia	Cabergoline ^q
<ul style="list-style-type: none">Induction of labourPost-partum hemorrhage	Oxytocin ^q
<ul style="list-style-type: none">Androgenital alopeciaEctopic pregnancy	Finasteride ^q Methotrexate ^q
<ul style="list-style-type: none">HypothyroidismMyxedema coma	Levothyroxine ^q
<ul style="list-style-type: none">Acute & chronic adrenal insufficiencyErectile dysfunction	Hydrocortisone ^q Sildenafil ^q
<ul style="list-style-type: none">Type 1 DMDiabetes mellitus in pregnancyUncontrolled Diabetes mellitusDiabetic ketoacidosis	Insulin ^q
<ul style="list-style-type: none">Type 2 DMDiabetes mellitus in obesityPost-prandial hyperglycemia	Metformin ^q Nateglinide ^q

DRUG OF CHOICE IN FUNGAL INFECTIONS

<ul style="list-style-type: none">Meningeal histoplasmosisEndocarditis by CandidaCoccidioidomycosisSevere or CNS BlastomycosisInduction in Cryptococcal meningitis (for 2 weeks)MucormycosisExserohilum	Amphotericin B ^q
<ul style="list-style-type: none">Non-meningeal histoplasmosisPara-CoccidioidomycosisSporotrichosisMild or non-CNS BlastomycosisPenicillium mameeffeiChromoblastomycosisEumycetoma & Actinomycetoma	Itraconazole ^q
<ul style="list-style-type: none">Maintenance in Cryptococcal meningitis (for 8 weeks)Candida albicans	Fluconazole ^q
<ul style="list-style-type: none">Invasive aspergillosisFusariumPseudoallescheria boydii	Voriconazole ^q
<ul style="list-style-type: none">Allergic bronchopulmonary aspergillosis	Prednisolone + Itraconazole/ Voriconazole ^q
<ul style="list-style-type: none">Candida glabrata & Candida krusei	Caspofungin ^q

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DRUG OF CHOICE IN GASTROINTESTINAL DISORDERS

• Gastric ulcer, duodenal ulcer, stress ulcer, NSAIDs induced ulcer	PPI ^q
• Zollinger-Ellison syndrome	
• GERD	
• Levodopa induced vomiting	Domperidone ^q
• Migraine associated or drug or disease associated vomiting	Metoclopramide ^q
• Post-operative or radiation induced vomiting	Ondansetron ^q
• Cisplatin induced early vomiting	5-HT ₃ antagonist ^q
• Cisplatin induced delayed vomiting	Aprepitant ^q
• Hepatic encephalopathy	Lactulose ^q
• Diarrhea in carcinoid syndrome	Octreotide ^q
• Opioid induced constipation	Methyl naltrexone ^q

DRUG OF CHOICE IN HEMATOLOGICAL DISORDERS

• Heparin-induced thrombocytopenia	Agatroban ^q
• ITP (Idiopathic thrombocytopenic purpura)	Steroids ^q
• Chemotherapy induced leukopenia	Sargramostim ^q
• Chemotherapy induced thrombocytopenia	Oprelvekin ^q
• Chemotherapy induced anemia	
• Anemia due to chronic kidney disease	Erythropoietin ^q
• DVT prophylaxis	
• Chronic atrial fibrillation in mitral stenosis, advanced kidney disease & mechanical prosthetic heart valves	Warfarin ^q
• Initiation of therapy in DVT	Heparin + Warfarin ^q
• Heparin overdose	Protamine ^q
• Warfarin overdose	Vitamin K ^q
• Fibrinolytic overdose	Epsilon Amino Caproic Acid ^q (EACA)

DRUG OF CHOICE IN HYPERTENSION

• Hypertension	Thiazides ^q
• Hypertension with BPH	Prazosin ^q
• Hypertension with diabetes mellitus	ACE inhibitors ^q
• Hypertension with ischemic heart disease (angina)	Beta-blockers ^q
• Hypertension with chronic kidney disease	ACE inhibitors ^q
• Hypertension in pregnancy	Alpha-methyldopa ^q
• Hypertensive emergencies	Nicardipine + Esmolol ^q
• Hypertensive emergencies in cheese reaction	Phentolamine ^q
• Hypertensive emergencies in clonidine withdrawal	Phentolamine ^q
• Hypertensive emergencies in aortic dissection	Nitroprusside + Esmolol ^q
• Hypertensive emergencies in pregnancy	Labetalol ^q

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INFECTIONS

<ul style="list-style-type: none">Streptococcus pneumoniae, S. viridans, Hemolytic streptococci group A, B, C, GStaphylococcus (non-penicillinase producing)Actinomyces, Bacillus cereus, Clostridium (ABC)Neisseria meningitidisTreponema pallidum, T. pertenuae	Penicillin G ^q
<ul style="list-style-type: none">MRSA, Coagulase negative StaphylococcusEnterococcus faecium	Vancomycin ^q
<ul style="list-style-type: none">Enterococcus faecalis, Listeria	Ampicillin ^q
<ul style="list-style-type: none">Bacillus anthracisBorrelia burgdorferi, B. recurrentisChlamydia & Rickettsiae (BCR)	Doxycycline ^q
<ul style="list-style-type: none">Corynebacterium	Erythromycin ^q
<ul style="list-style-type: none">Hemophilus ducreyi & Mycoplasma	Azithromycin ^q
<ul style="list-style-type: none">Nocardia	Cotrimoxazole ^q
<ul style="list-style-type: none">Proteus, E. coli, Klebsiella, Salmonella (PEKS)	Ceftriaxone ^q
<ul style="list-style-type: none">Serratia, Enterobacter, Acinetobacter (SEA)	Carbapenems ^q
<ul style="list-style-type: none">Bacteroides	Metronidazole ^q
<ul style="list-style-type: none">Burkholderia pseudomallei (melioidosis)	Ceftazidime ^q

PREGNANCY

<ul style="list-style-type: none">DOC for malaria in pregnancy	Chloroquine ^q
<ul style="list-style-type: none">DOC for anticoagulation in pregnancy	Heparin ^q
<ul style="list-style-type: none">Antihypertensive of choice in pregnancy	Alpha-methyldopa ^q
<ul style="list-style-type: none">Antihypertensive of choice for hypertensive crisis in pregnancy	Labetalol ^q
<ul style="list-style-type: none">DOC for nausea in pregnancy	Doxylamine & pyridoxine ^q
<ul style="list-style-type: none">Analgesic of choice during pregnancy	Acetaminophen ^q
<ul style="list-style-type: none">Anti-epileptic of choice during pregnancy	Phenobarbitone ^q

DRUG OF CHOICE FOR VARIOUS TYPES OF SEIZURES

<ul style="list-style-type: none">Absence seizuresGTCS (Grand mal)Tonic seizuresClonic seizuresMyoclonic seizuresAtonic (Akinetic) seizures	Valproate ^q
<ul style="list-style-type: none">Partial seizures	Carbamazepine ^q
<ul style="list-style-type: none">Infantile spasm	ACTH ^q
<ul style="list-style-type: none">Infantile spasm with tuberous sclerosis	Vigabatrin ^q
<ul style="list-style-type: none">Febrile seizures	Diazepam ^q (per rectal)
<ul style="list-style-type: none">Status epilepticus	Lorazepam ^q (IV)
<ul style="list-style-type: none">Seizures in eclampsia	Magnesium sulphate ^q

Drug of Choice

SHOCK

• Anaphylactic shock	Adrenaline ^q
• Cardiogenic shock	Noradrenaline or dopamine ^q
• Distributive shock	Noradrenaline or phenylephrine ^q
• Hypovolemic shock	Fluids ^q (crystalloids)
• Secondary shock	Prazosin ^q (alpha blockers)
• Shock with oliguria	Dopamine ^q
• Shock due to adrenal insufficiency	Corticosteroids ^q
• Septic shock	Broad spectrum antibiotics ^q

VIRAL DISEASES

• Viral hemorrhagic fever (Lassa virus, Rift valley fever, Congo Crimean hemorrhagic fever, Hanta virus)	Ribavirin ^q
• Respiratory syncytial virus (in high risk patients)	
• Measles	
• Seasonal influenza & Avian influenza (bird flu)	Oseltamivir ^q
• Oseltamivir resistant influenza	Zanamivir ^q
• Prion disease	Flupirtine ^q
• Herpes simplex & Varicella	Acyclovir ^q
• Acute herpes zoster	Valacyclovir ^q
• Cytomegalovirus retinitis	Ganciclovir ^q

PROTOZOAL INFECTIONS

• Cyclospora, Isospora & Pneumocystis jiroveci	Cotrimoxazole ^q
• Giardia lamblia	Metronidazole ^q
• Trichomonas vaginalis	
• Balantidium coli	Tetracycline ^q
• Babesia	Clindamycin + Quinine ^q
• Cryptosporidium	Nitazoxanide or Paromomycin ^q
• Leishmania donovani	Liposomal amphotericin B ^q
• Toxoplasma gondii	Pyrimethamine + Sulfadiazine + Folinic acid ^q
• Toxoplasma gondii in pregnancy	Spiramycin ^q
• Trypanosoma cruzi (Chagas disease)	Benznidazole ^q
• Early african trypanosomiasis	Suramin ^q
• Late (CNS) african trypanosomiasis	Melarsoprol ^q

PARASYMPATHOMIMETICS

• Organophosphate, carbamate, Early mushroom poisoning	Atropine ^q
• Refraction testing in children	
• Atropine, belladonna & datura poisoning	Physostigmine ^q
• Diagnosis of myasthenia gravis	Edrophonium ^q
• Refraction testing in adults	Tropicamide ^q
• Open angle glaucoma	Latanoprost ^q
• Angle closure glaucoma	Acetazolamide ^q
• Fundoscopy	Phenylephrine ^q

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POISONING

• Organophosphate, carbamate, Early mushroom poisoning	Atropine ^Q
• Atropine, belladonna & datura poisoning	Physostigmine ^Q
• Acetaminophen poisoning	Acetylcystine ^Q
• Benzodiazepine poisoning	Flumazenil ^Q
• Opioid poisoning	Naloxone ^Q
• Acute iron poisoning	Desferrioxamine ^Q
• Chronic iron poisoning	Deferiprone ^Q
• Cyanide poisoning	Amyl nitrate ^Q
• Beta-blocker poisoning	Glucagon ^Q