

# List of Drug Of Choice

# Drug of Choice

## ANESTHETIC AGENT OF CHOICE

• Day care	Propofol <sup>q</sup>
• Ischemic heart disease	Etomidate <sup>q</sup>
• Congenital heart disease (left to right shunt): ASD, VSD, PDA	Sevoflurane <sup>q</sup>
• Congenital heart disease (right to left shunt)	
• Congestive heart failure	Ketamine <sup>q</sup>
• Shock	
• Asthma & COPD	
• For producing deliberate hypotension	
• Cardiac surgery	Isoflurane <sup>q</sup>
• Neurosurgery	
• Epilepsy	Thiopentone <sup>q</sup>
• Thyrotoxicosis	
• For electroconvulsive therapy	Methohexitone <sup>q</sup>

## ANTIMICROBIALS OF CHOICE FOR PROPHYLAXIS

• Mycobacterium avium complex (MAC) Pertusis	Azithromycin <sup>q</sup>
• Group B streptococcal infection	Ampicillin <sup>q</sup>
• Endocarditis & Otitis media	Amoxicillin <sup>q</sup>
• Rheumatic fever	Benzathine penicillin <sup>q</sup>
• Gonorrhoea & Syphilis	Procaine penicillin <sup>q</sup>
• Surgical prophylaxis	Cefazoline <sup>q</sup>
• Rickettsial infections & Plague	Tetracycline <sup>q</sup>
• Anthrax	Doxycycline <sup>q</sup>
• Toxoplasmosis, Pneumocystis jirovecii UTI	Trimethoprim sulphamethoxazole <sup>q</sup>
• Influenza type A & B	Oseltamavir <sup>q</sup>
• Hemophilus influenza type B	Rifampicin <sup>q</sup>

## DRUG OF CHOICE IN BRONCHIAL ASTHMA

• Acute attack of bronchial asthma	
• Acute attack of bronchial asthma in pregnancy	Salbutamol <sup>q</sup>
• Exercise & aspirin induced acute attack of bronchial asthma	
• Acute attack of bronchial asthma during labour	
• Acute attack of bronchial asthma on beta blockers therapy	Ipratropium <sup>q</sup>
• Prophylaxis of bronchial asthma, Exercise induced, aspirin induced bronchial asthma	Corticosteroids <sup>q</sup>



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## DRUG OF CHOICE IN ENDOCRINOLOGICAL DISORDERS

<ul style="list-style-type: none"><li>Osteoporosis (post-menopausal or steroid induced)</li></ul>	Alendronate <sup>q</sup>
<ul style="list-style-type: none"><li>Hypercalcemia of malignancy</li><li>Paget's disease of bone</li></ul>	Bisphosphonate <sup>q</sup>
<ul style="list-style-type: none"><li>Acromegaly</li><li>Hyperprolactinemia</li></ul>	Cabergoline <sup>q</sup>
<ul style="list-style-type: none"><li>Induction of labour</li><li>Post-partum hemorrhage</li></ul>	Oxytocin <sup>q</sup>
<ul style="list-style-type: none"><li>Androgenital alopecia</li></ul>	Finasteride <sup>q</sup>
<ul style="list-style-type: none"><li>Ectopic pregnancy</li></ul>	Methotrexate <sup>q</sup>
<ul style="list-style-type: none"><li>Hypothyroidism</li><li>Myxedema coma</li></ul>	Levothyroxine <sup>q</sup>
<ul style="list-style-type: none"><li>Acute &amp; chronic adrenal insufficiency</li></ul>	Hydrocortisone <sup>q</sup>
<ul style="list-style-type: none"><li>Erectile dysfunction</li></ul>	Sildenafil <sup>q</sup>
<ul style="list-style-type: none"><li>Type 1 DM</li><li>Diabetes mellitus in pregnancy</li><li>Uncontrolled Diabetes mellitus</li><li>Diabetic ketoacidosis</li></ul>	Insulin <sup>q</sup>
<ul style="list-style-type: none"><li>Type 2 DM</li><li>Diabetes mellitus in obesity</li><li>Post-prandial hyperglycemia</li></ul>	Metformin <sup>q</sup> Nateglinide <sup>q</sup>

## DRUG OF CHOICE IN FUNGAL INFECTIONS

<ul style="list-style-type: none"><li>Meningeal histoplasmosis</li><li>Endocarditis by Candida</li><li>Coccidioidomycosis</li><li>Severe or CNS Blastomycosis</li><li>Induction in Cryptococcal meningitis (for 2 weeks)</li><li>Mucormycosis</li><li>Exserohilum</li></ul>	Amphotericin B <sup>q</sup>
<ul style="list-style-type: none"><li>Non-meningeal histoplasmosis</li><li>Para-Coccidioidomycosis</li><li>Sporotrichosis</li><li>Mild or non-CNS Blastomycosis</li><li>Penicillium mameffeii</li><li>Chromoblastomycosis</li><li>Eumycetoma &amp; Actinomycetoma</li></ul>	Itraconazole <sup>q</sup>
<ul style="list-style-type: none"><li>Maintenance in Cryptococcal meningitis (for 8 weeks)</li><li>Candida albicans</li></ul>	Fluconazole <sup>q</sup>
<ul style="list-style-type: none"><li>Invasive aspergillosis</li><li>Fusarium</li><li>Pseudoallescheria boydii</li></ul>	Voriconazole <sup>q</sup>
<ul style="list-style-type: none"><li>Allergic bronchopulmonary aspergillosis</li></ul>	Prednisolone + Itraconazole/ Voriconazole <sup>q</sup>
<ul style="list-style-type: none"><li>Candida glabrata &amp; Candida krusei</li></ul>	Capsofungin <sup>q</sup>



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## DRUG OF CHOICE IN GASTROINTESTINAL DISORDERS

<ul style="list-style-type: none"><li>Gastric ulcer, duodenal ulcer, stress ulcer, NSAIDs induced ulcer</li></ul>	PPI <sup>Q</sup>
<ul style="list-style-type: none"><li>Zollinger-Ellison syndrome</li></ul>	
<ul style="list-style-type: none"><li>GERD</li></ul>	
<ul style="list-style-type: none"><li>Levodopa induced vomiting</li></ul>	Domperidone <sup>Q</sup>
<ul style="list-style-type: none"><li>Migraine associated or drug or disease associated vomiting</li></ul>	Metoclopramide <sup>Q</sup>
<ul style="list-style-type: none"><li>Post-operative or radiation induced vomiting</li></ul>	Ondansetron <sup>Q</sup>
<ul style="list-style-type: none"><li>Cisplatin induced early vomiting</li></ul>	5-HT <sub>3</sub> antagonist <sup>Q</sup>
<ul style="list-style-type: none"><li>Cisplatin induced delayed vomiting</li></ul>	Aprepitant <sup>Q</sup>
<ul style="list-style-type: none"><li>Hepatic encephalopathy</li></ul>	Lactulose <sup>Q</sup>
<ul style="list-style-type: none"><li>Diarrhea in carcinoid syndrome</li></ul>	Octreotide <sup>Q</sup>
<ul style="list-style-type: none"><li>Opioid induced constipation</li></ul>	Methyl naltrexone <sup>Q</sup>

## DRUG OF CHOICE IN HEMATOLOGICAL DISORDERS

<ul style="list-style-type: none"><li>Heparin-induced thrombocytopenia</li></ul>	Agatroban <sup>Q</sup>
<ul style="list-style-type: none"><li>ITP (Idiopathic thrombocytopenic purpura)</li></ul>	Steroids <sup>Q</sup>
<ul style="list-style-type: none"><li>Chemotherapy induced leukopenia</li></ul>	Sargramostim <sup>Q</sup>
<ul style="list-style-type: none"><li>Chemotherapy induced thrombocytopenia</li></ul>	Oprelvekin <sup>Q</sup>
<ul style="list-style-type: none"><li>Chemotherapy induced anemia</li></ul>	
<ul style="list-style-type: none"><li>Anemia due to chronic kidney disease</li></ul>	Erythropoietin <sup>Q</sup>
<ul style="list-style-type: none"><li>DVT prophylaxis</li></ul>	
<ul style="list-style-type: none"><li>Chronic atrial fibrillation in mitral stenosis, advanced kidney disease &amp; mechanical prosthetic heart valves</li></ul>	Warfarin <sup>Q</sup>
<ul style="list-style-type: none"><li>Initiation of therapy in DVT</li></ul>	Heparin + Warfarin <sup>Q</sup>
<ul style="list-style-type: none"><li>Heparin overdose</li></ul>	Protamine <sup>Q</sup>
<ul style="list-style-type: none"><li>Warfarin overdose</li></ul>	Vitamin K <sup>Q</sup>
<ul style="list-style-type: none"><li>Fibrinolytic overdose</li></ul>	Epsilon Amino Caproic Acid <sup>Q</sup> (EACA)

## DRUG OF CHOICE IN HYPERTENSION

<ul style="list-style-type: none"><li>Hypertension</li></ul>	Thiazides <sup>Q</sup>
<ul style="list-style-type: none"><li>Hypertension with BPH</li></ul>	Prazosin <sup>Q</sup>
<ul style="list-style-type: none"><li>Hypertension with diabetes mellitus</li></ul>	ACE inhibitors <sup>Q</sup>
<ul style="list-style-type: none"><li>Hypertension with ischemic heart disease (angina)</li></ul>	Beta-blockers <sup>Q</sup>
<ul style="list-style-type: none"><li>Hypertension with chronic kidney disease</li></ul>	ACE inhibitors <sup>Q</sup>
<ul style="list-style-type: none"><li>Hypertension in pregnancy</li></ul>	Alpha-methyldopa <sup>Q</sup>
<ul style="list-style-type: none"><li>Hypertensive emergencies</li></ul>	Nicardipine + Esmolol <sup>Q</sup>
<ul style="list-style-type: none"><li>Hypertensive emergencies in cheese reaction</li></ul>	Phentolamine <sup>Q</sup>
<ul style="list-style-type: none"><li>Hypertensive emergencies in clonidine withdrawal</li></ul>	Phentolamine <sup>Q</sup>
<ul style="list-style-type: none"><li>Hypertensive emergencies in aortic dissection</li></ul>	Nitroprusside + Esmolol <sup>Q</sup>
<ul style="list-style-type: none"><li>Hypertensive emergencies in pregnancy</li></ul>	Labetalol <sup>Q</sup>



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## INFECTIONS

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<ul style="list-style-type: none"><li>MRSA, Coagulase negative Staphylococcus</li><li>Enterococcus faecium</li></ul>	Vancomycin <sup>q</sup>
<ul style="list-style-type: none"><li>Enterococcus faecalis, Listeria</li></ul>	Ampicillin <sup>q</sup>
<ul style="list-style-type: none"><li>Bacillus anthracis</li><li>Borrelia burgdorferi, B. recurrentis</li><li>Chlamydia &amp; Rickettsiae (BCR)</li></ul>	Doxycycline <sup>q</sup>
<ul style="list-style-type: none"><li>Corynebacterium</li><li>Hemophilus ducreyi &amp; Mycoplasma</li></ul>	Erythromycin <sup>q</sup> Azithromycin <sup>q</sup>
<ul style="list-style-type: none"><li>Nocardia</li></ul>	Cotrimoxazole <sup>q</sup>
<ul style="list-style-type: none"><li>Proteus, E. coli, Klebsiella, Salmonella (PEKS)</li></ul>	Ceftriaxone <sup>q</sup>
<ul style="list-style-type: none"><li>Serratia, Enterobacter, Acinetobacter (SEA)</li></ul>	Carbapenems <sup>q</sup>
<ul style="list-style-type: none"><li>Bacteroides</li></ul>	Metronidazole <sup>q</sup>
<ul style="list-style-type: none"><li>Burkholderia pseudomallei (melioidosis)</li></ul>	Ceftazidime <sup>q</sup>

## PREGNANCY

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

## DRUG OF CHOICE FOR VARIOUS TYPES OF SEIZURES

<ul style="list-style-type: none"><li>Absence seizures</li><li>GTCS (Grand mal)</li><li>Tonic seizures</li><li>Clonic seizures</li><li>Myoclonic seizures</li><li>Atonic (Akinetic) seizures</li></ul>	Valproate <sup>q</sup>
<ul style="list-style-type: none"><li>Partial seizures</li></ul>	Carbamazepine <sup>q</sup>
<ul style="list-style-type: none"><li>Infantile spasm</li></ul>	ACTH <sup>q</sup>
<ul style="list-style-type: none"><li>Infantile spasm with tuberous sclerosis</li></ul>	Vigabatrin <sup>q</sup>
<ul style="list-style-type: none"><li>Febrile seizures</li></ul>	Diazepam <sup>q</sup> (per rectal)
<ul style="list-style-type: none"><li>Status epilepticus</li></ul>	Lorazepam <sup>q</sup> (IV)
<ul style="list-style-type: none"><li>Seizures in eclampsia</li></ul>	Magnesium sulphate <sup>q</sup>



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## POISONING

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