

Pharmacological
CLASSIFICATION OF DRUGS
with Doses and Preparations

Pharmacological
CLASSIFICATION OF DRUGS
with Doses and Preparations

FIFTH EDITION

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Pharmacological Classification of Drugs with Doses and Preparations

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Preface



A systematized listing of drugs according to their primary actions, mechanisms, chemical nature, clinical uses and/or other relevant characteristics is the first step to learn about them. The mental exercise to prescribe a drug for a patient starts with identifying the class of drugs to be prescribed and then selecting the specific member most appropriate for that patient according to its subclass/group/individual characteristic. For example, the first thing one decides is whether an analgesic or an antihypertensive or an antibiotic is to be prescribed; then proceeds to consider which type of analgesic (opioid/nonopioid), or antihypertensive (β blocker/ACE inhibitor, etc.), or antibiotic (β -lactam/fluoroquinolone, etc.) is required and then which specific member is most suitable. On the other hand, every drug is known by its class and subclass, e.g. furosemide is a high-ceiling diuretic, glibenclamide is a sulfonylurea antidiabetic. As such, drug classifications are pivotal to pharmacology students and highly valuable to prescribing doctors. The phenomenal increase in the number of drugs in recent years has further underscored the need for drug classifications.

Drug classifications have been criticised for being arbitrary and imperfect because of nonuniform criteria that have often to be adopted and frequent lack of watertight distinctions among drug groups/subgroups. Nevertheless, basing on pharmacological differences and applying practical criteria, meaningful drug classifications can be devised. Though, any drug has multiple actions/properties, it can be designated by the most outstanding one. For example, labelling atenolol as a cardioselective β blocker summarises its actions, uses, etc. This booklet has adopted such a pragmatic approach and presented classifications of drugs that have been well accepted. The outstanding feature of the present edition is reformating of the classifications in the form of eye-catching charts. These charts create pictorial images and help memorizing. All classifications have been updated, modified where necessary and newer drugs have been included, particularly those marketed recently.

To be useful to medical/pharmacy students as well as to practitioners, the doses (including pediatric doses wherever relevant), frequency and route(s) of administration along with leading brand names of drugs and different types of dosage forms (oral, parenteral, topical, etc.) are listed distinctively after each class of drugs. Thus, essential prescribing

information is incorporated for drugs that are available. Single drug formulations are mainly mentioned. Combined drug formulations find a place wherever important or relevant. The listing of brand names is restricted to only 1–4 per drug, and is not exhaustive. Synonyms and alternative names of drugs and classes of drugs are also mentioned. Two separate indices, one of nonproprietary (generic) names and the other of proprietary (brand) names of drugs is provided for instantaneous location of the drug or the product one is looking for.

It is hoped that the present user-friendly format of the booklet will make it a better aid to remembering drug names, identifying the class and subclass to which they belong, and provide easy access to core prescribing information. The credit for meticulous production of this booklet goes to the staff of M/s Jaypee Brothers.

KD Tripathi

Explanatory Notes



1. The information on dosage form(s) is printed in maroon colour, and the proprietary (brand) names of drugs/products appear in capital letters.
2. The doses and regimens are given in smaller type, while nonproprietary (generic) drug names appear in bigger type and different font.
3. If no brand name of a drug is listed, it is not currently marketed in India, or is marketed only in combinations. This can be found out from the composition of the combined formulations given.
4. If the route of administration is not specified, the drug is administered only orally, and the dose mentioned is the oral dose.
5. Drug doses mentioned without specifying frequency of administration indicate the quantity for a single dose.

Abbreviations



amp Ampoule
AP Action potential
BD Twice daily
BHP Benign hypertrophy of prostate
BSA Body surface area
cap Capsule
Ch Child dose
cm Centimeter
CR Continuous release
Distab Dispersible tablet
DS Double strength
DTPA Diethylene triamine pentaacetic acid
e.c. Enteric coated
ER Extended release
ERP Effective refractory period
ext Extract
g Gram
GITS Gastrointestinal therapeutic system
hr hour
i.d. Intradermal

i.m. Intramuscular
inj Injection
IU International unit
i.v. intravenous
kg Kilogram
L Litre
LES Lower esophageal sphincter
liq Liquid
m Meter
max Maximum
mEq Milliequivalent
mg Milligram
min Minute
ml Millilitre
MR Modified release
MU Mega (million) unit
MW Molecular weight
 μ g Microgram
OD Once daily
oint Ointment

Pot.	Potassium	tab	Tablet
QID	Four times a day	TCID ₅₀	Tissue culture infective dose 50%
rDNA	Recombinant deoxyribonucleic acid	TDS	Three times a day
s.c.	Subcutaneous	THFA	Tetrahydrofolic acid
s.l.	Sublingual	TTS	Transdermal therapeutic system
Sod	Sodium	U	Unit
SR	Sustained release	UV	Ultra violet
susp	Suspension	yr	Year (age)
syr	Syrup	ZE	Zollinger-Ellison

Contents

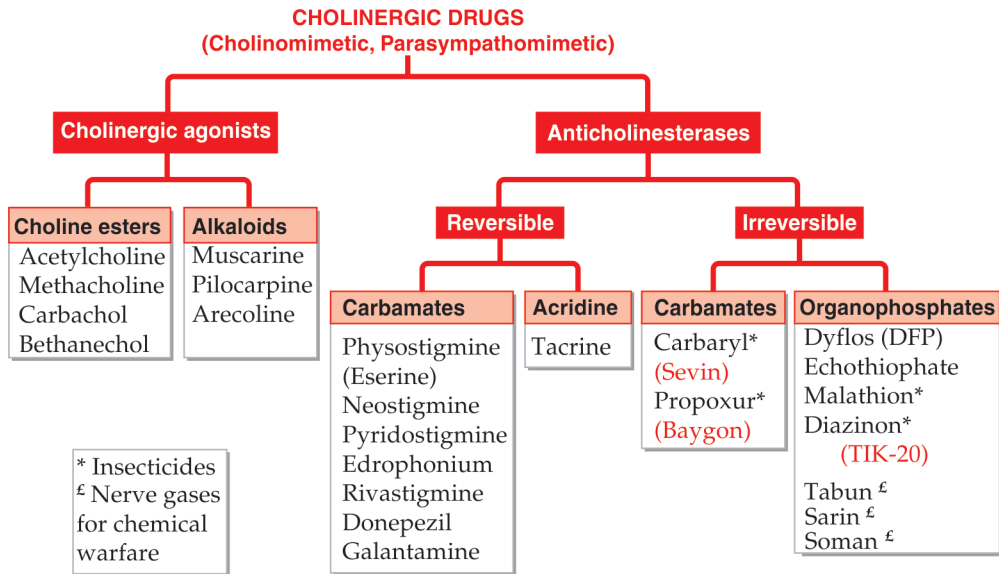


1. Drugs Acting on Autonomic Nervous System	1
<i>Cholinergic Drugs, Anticholinergic Drugs, Ganglionic Stimulants, Ganglionic Blocking Agents, Adrenergic Drugs, α-Adrenergic Blocking Drugs, β-Adrenergic Blocking Drugs, Topical Drugs for Glaucoma</i>	
2. Autacoids and Related Drugs	16
<i>Histaminergic Agonists, H_1-Antagonists, 5-Hydroxytryptamine (5-HT) Antagonists, Drugs for Migraine, Prostaglandins (PGs), Nonsteroidal Antiinflammatory Drugs (NSAIDs)/Antipyretic Analgesics, Antirheumatoid Drugs, Drugs for Gout</i>	
3. Drugs for Respiratory Disorders	29
<i>Drugs for Cough, Drugs for Bronchial Asthma</i>	
4. Hormones and Related Drugs	37
<i>Anterior Pituitary Hormones, Drugs Altering Anterior Pituitary Hormone Secretion, Thyroid Hormone, Thyroid Inhibitors, Insulins, Oral Antidiabetic Drugs, Corticosteroids, Topical Steroids, Androgens and Related Drugs, Drugs for Erectile Dysfunction, Estrogens and Related Drugs, Progestins, Hormonal Contraceptives, Uterine Stimulants, Uterine Relaxants</i>	
5. Drugs Acting on Peripheral (somatic) Nervous System	60
<i>Skeletal Muscle Relaxants, Local Anaesthetics</i>	
6. Drugs Acting on Central Nervous System	64
<i>General Anaesthetics, Preanaesthetic Medication Drugs, Sedative-Hypnotic Drugs, Antiepileptic Drugs, Antiparkinsonian Drugs, Antipsychotic Drugs, Drugs for Mania and Bipolar Disorder, Hallucinogens, Antidepressants, Antianxiety Drugs, Opioid Analgesics and Antagonists, Central Nervous System (CNS) Stimulants, Cognition Enhancers</i>	
7. Cardiovascular Drugs	88
<i>Antihypertensive Drugs, Antianginal Drugs, Drugs for Peripheral Vascular Diseases, Drugs for Congestive Heart Failure, Antiarrhythmic Drugs</i>	

8. Drugs Acting on Kidney	102
<i>Diuretics, Antidiuretics</i>	
9. Drugs Affecting Blood	105
<i>Haematinics, Coagulants, Anticoagulants, Fibrinolytics, Antifibrinolytics, Antiplatelet Drugs, Hypolipidaemic Drugs, Plasma Expanders</i>	
10. Gastrointestinal Drugs	118
<i>Drugs for Peptic Ulcer, Antiemetics, Laxatives, Drugs for Diarrhoea</i>	
11. Antibacterial Drugs	130
<i>Antibacterial Drugs, Sulfonamides, Quinolone Antimicrobials, Penicillins, Cephalosporins, Monobactams, Carbapenems, Aminoglycoside Antibiotics, Tetracyclines, Chloramphenicol, Macrolide Antibiotics, Lincosamide Antibiotics, Aminocyclitol Antibiotic, Glycopeptide Antibiotics, Oxazolidinone, Polypeptide Antibiotics, Urinary Antiseptics, Antitubercular Drugs, Antileprotic Drugs</i>	
12. Antifungal, Antiviral, Antiprotozoal and Anthelmintic Drugs	150
<i>Antifungal Drugs, Antiviral Drugs (Non-retroviral), Antiretrovirus Drugs, Antimalarial Drugs, Antiamoebic Drugs, Drugs for Giardiasis, Drugs for Trichomoniasis, Drugs for Leishmaniasis, Anthelmintic Drugs</i>	
13. Anticancer Drugs (Antineoplastic Drugs)	169
14. Miscellaneous Drugs	176
<i>Immunosuppressant Drugs, Chelating Agents, Locally Acting Drugs on Skin and Mucous Membranes, Drugs for Acne vulgaris, Antiseptics and Disinfectants, Ectoparasiticides, Vaccines, Antisera and Immune Globulins</i>	
<i>Index of Nonproprietary Names of Drugs</i>	195
<i>Index of Proprietary (Brand) Names of Drugs</i>	211

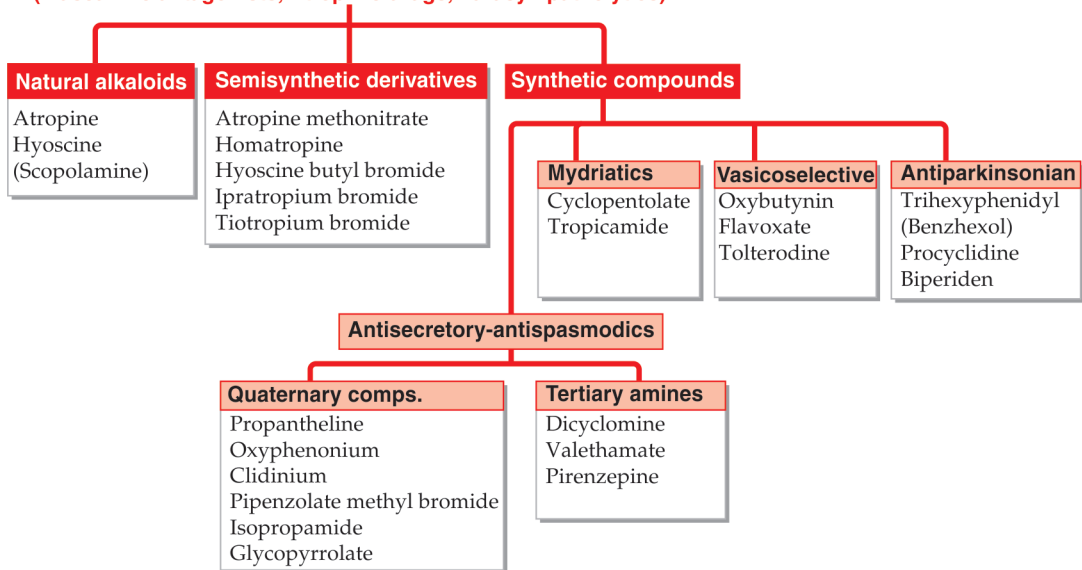
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Drugs Acting on Autonomic Nervous System



Preparations

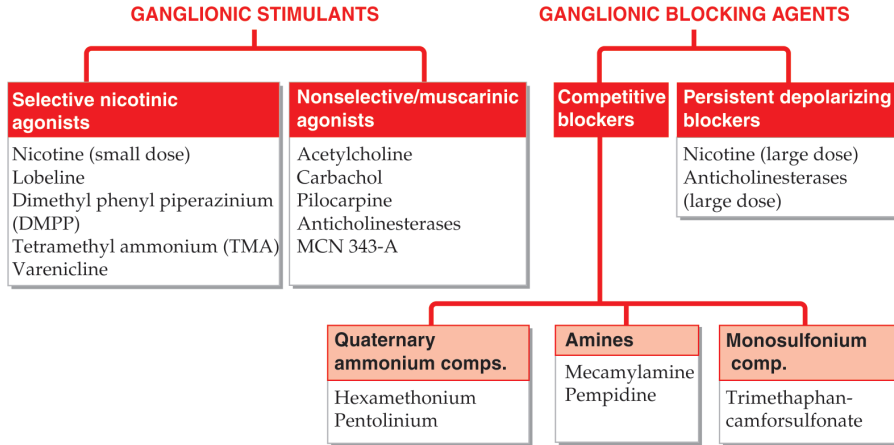
1. **Bethanechol:** 10–40 mg oral, 2.5–5 mg s.c.
UROTONIN, BETHACOL 25 mg tab.
2. **Pilocarpine:** 0.5–4% topically in eye.
PILOCAR 1%, 2%, 4% eye drops; CARPINE 0.5% eye drops; PILODROPS 2% eye drops.
3. **Physostigmine:** 0.5–1.0 mg oral/i.m., 0.25–0.5% topically in eye.
BI-MIOTIC 0.25% eye drops with 2% pilocarpine nitrate.
4. **Neostigmine:** 15–30 mg oral, 0.5–2.5 mg s.c./i.m.
PROSTIGMIN, MYOSTIGMIN, TILSTIGMIN 15 mg tab, 0.5 mg/ml in 1 ml and 5 ml inj.
5. **Pyridostigmine:** 60–180 mg oral.
DISTINON, MYESTIN 60 mg tab.
6. **Rivastigmine:** Initially 1.5 mg BD, increase every 2 weeks by 1.5 mg/day upto 6 mg BD.
EXELON, RIVAMER 1.5, 3, 4.5, 6.0 mg caps.
7. **Donepezil:** 5 mg at bed time once daily (max 10 mg/day).
DONECEPT, DOPEZIL, DORENT 5, 10 mg tabs.
8. **Galantamine:** 4 mg BD (max 12 mg BD).
GALAMER 4, 8, 12 mg tabs.

ANTICHOLINERGIC DRUGS**(Muscarinic antagonists, Atropinic drugs, Parasympatholytics)**

Preparations

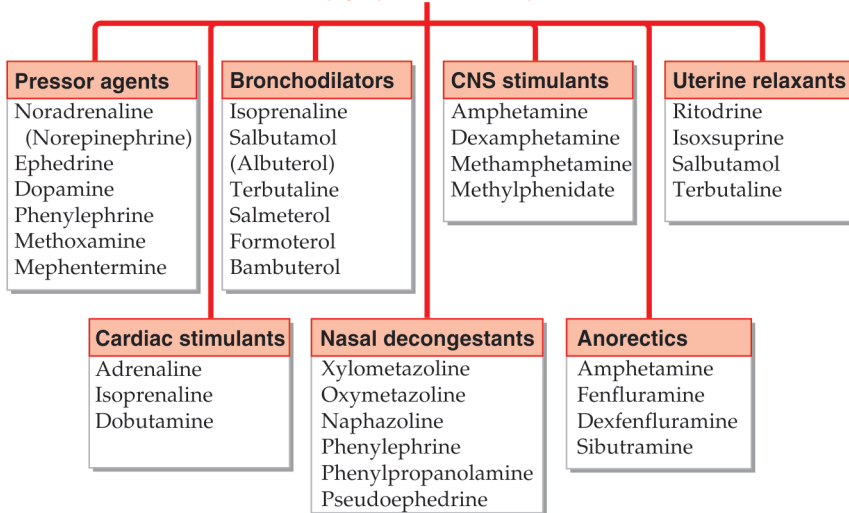
- 1. Atropine:** 0.6–2.0 mg i.m./i.v. (Child 10 µg/kg), 1–2% topically in eye.
ATROPINE SULPHATE 0.6 mg/ml inj, 1% eye drop/oint, ATROSULPH 1% eye drop, 5% eye oint.
- 2. Hyoscine hydrobromide:** 0.3–0.5 mg oral/i.m. (Child 10 µg/kg).
- 3. Hyoscine butyl bromide:** 20–40 mg oral/i.m./s.c./i.v.
BUSCOPAN 10 mg tab, 20 mg/ml amp.
- 4. Atropine methonitrate:** 2.5–10 mg oral/i.m.
MYDRINDON 1 mg (adult), 0.1 mg (child) tab; in SPASMOLYSIN 0.32 mg tab.
- 5. Propantheline:** 15–30 mg oral. PROBANTHINE 15 mg tab.
- 6. Oxyphenonium:** 5–10 mg (Child 3–5 mg) oral. ANTRENYL 5, 10 mg tab.
- 7. Clidinium:** 2.5–5 mg oral.
In SPASRIL, ARWIN 2.5 mg tab with chlordiazepoxide 5 mg. NORMAXIN, CIBIS 2.5 mg with dicyclomine 10 mg and chlordiazepoxide 5 mg tab.
- 8. Pipenzolate methyl bromide:** 5–10 mg (Child 2–3 mg) oral.
In PIPEN 5 mg tab. 4 mg/ml drops with dimethyl polysiloxane.
- 9. Isopropamide:** 5 mg oral. In STELABID, GASTABID 5 mg tab. with trifluoperazine.
- 10. Dicyclomine:** 20 mg oral.
CYCLOSPAS-D 20 mg with dimethicone 40 mg tab; CYCLOPAM INJ. 10 mg/ml in 2 ml, 10 ml, 30 ml amp/vial, also 20 mg tab with paracetamol 500 mg; in COLIMEX, COLIRID 20 mg with paracetamol 500 mg tab, 10 mg/ml drops with dimethicone.
- 11. Valethamate:** 8 mg i.m., 10 mg oral, repeated as required.
VALAMATE 8 mg in 1 ml inj, EPIDOSIN 10 mg tab, 8 mg inj.

12. **Glycopyrrolate:** 0.1–0.3 mg i.m./i.v., 1–2 mg oral.
GLYCO-P 0.2 mg/ml amp., 1 mg in 5 ml vial, PYROLATE 0.2 mg/ml, 1 ml amp, 10 ml vial.
13. **Ipratropium bromide:** 40–80 µg by inhalation/nasal spray.
IPRAVENT 20 µg/puff metered dose inhaler, 2 puffs 3–4 times daily; 250 µg/ml respirator soln., 0.4–2 ml nebulized in conjunction with a β_2 agonist 2–4 times daily.
Also used to control rhinorrhoea in perennial rhinitis and common cold; IPRANASE–AQ 0.084% nasal spray (42 µg per actuation), 1–2 sprays in each nostril 3–4 times a day.
14. **Tiotropium bromide:** 18 µg by inhalation. TIOVA 18 µg rotacaps, 1 rotacap by inhalation OD.
15. **Oxybutynin:** 5 mg BD/TDS oral; children above 5 yr 2.5 mg BD.
OXYBUTIN, CYSTRAN, OXYSPAS 2.5 mg and 5 mg tabs.
16. **Flavoxate:** 200 mg TDS. URISPAS, FLAVATE, FLAVOSPAS 200 mg tab.
17. **Tolterodine:** 1–2 mg BD or 2–4 mg OD of sustained release tab. oral; ROLITEN, TOLTER 1, 2 mg tabs, TORQ 2, 4 mg SR tab.
18. **Homatropine:** 1–2% topically in eye. HOMATROPINE EYE, HOMIDE 1%, 2% eye drops.
19. **Cyclopentolate:** 0.5–1.0% topically in eye.
CYCLOMID EYE, 0.5%, 1.0%, CYCLOGYL, CYCLOPENT 1% eye drops.
20. **Tropicamide:** 0.5–1.0% topically in eye. OPTIMIDE, TROPICAMET, TROMIDE 1% eye drops; TROPAC-P, TROPICAMET PLUS 0.8% + phenylephrine 5% eye drops.
21. **Trihexyphenidyl (benzhexol):** 2–10 mg/day; PACITANE, PARBENZ 2 mg tab.
22. **Procyclidine:** 5–20 mg/day; KEMADRIN 2.5, 5 mg tab.
23. **Biperiden:** 2–10 mg/day oral, i.m. or i.v.: DYSKINON 2 mg tab., 5 mg/ml inj.



Preparations

1. **Nicotine transdermal**: **NICOTINELL-TTS 10, 20, 30 cm² patches releasing 7, 14, 21 mg nicotine per 24 hr respectively.** In those smoking > 20 cigarettes every day—start with 30 cm² patch, shift to smaller patches every 3–5 days, treat for 3–4 weeks.
2. **Nicotine chewing gum**: **NULIFE 1, 2, 4 mg chewing gum**; In those smoking > 20 cigarettes/day—start with 4 mg gum chewed slowly for 30 min when urge to smoke occurs—gradually reduce to 2 mg gum and then 1 mg gum. In less heavy smokers—start at lower doses.

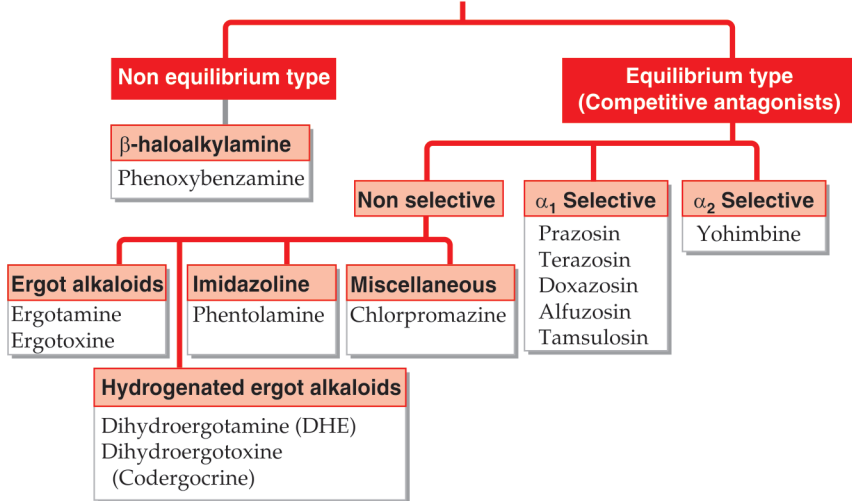
ADRENERGIC DRUGS
(Sympathomimetics)

Preparations

- Adrenaline (Epinephrine):** 0.2–0.5 mg s.c./i.m.;
ADRENALINE 1 mg/ml inj; ADRENA 4 mg (of adrenaline bitartrate=2 mg adrenaline base) per ml inj.
- Noradrenaline (Norepinephrine, Levarterenol):** 2–4 µg/min i.v. infusion;
ADRENOR, NORAD, NORDRIN 2 mg (base)/2 ml amp.
- Isoprenaline (Isoproterenol):** 20 mg s.l., 1–2 mg i.m., 5–10 µg/min i.v. infusion;
NEOEPININE 20 mg sublingual tab, ISOPRIN, ISOSOL 4 mg/2 ml inj.
- Dopamine:** 0.2–1.0 mg/min i.v. infusion; DOPAMINE, INTROPIN, DOPACARD 200 mg/5 ml amp.
- Dobutamine:** 2.5–10 µg/kg/min i.v. infusion;
CARDIJECT 50 mg/4 ml and 250 mg/20 ml inj, DOBUTREX, DOBUSTAT 250 mg inj.
- Ephedrine:** 15–60 mg oral, 15–30 mg i.m./i.v.; 0.5–0.75% topically in nose. EPHEDRINE HCL 15, 30 mg tabs, SUFIDRIN 50 mg in 1 ml inj, ENDRINE 0.75% nasal drops.
- Phenylephrine:** 5–10 mg oral, 2–5 mg i.m., 0.1–0.5 mg slow i.v. inj, 30–60 µg/min i.v. infusion, 0.25% topically in nose, 5–10% topically in eye; in DECOLD PLUS 5 mg with paracetamol 400 mg + chlorpheniramine 2 mg + caffeine 15 mg tab; SINAREST 10 mg with chlorpheniramine 2 mg, paracetamol 500 mg, caffeine 30 mg tab; FRENIN 10 mg in 1 ml inj, in FENOX 0.25% with naphazoline 0.025% nasal drops, DROSYN 10% eye drops, in DROSYN-T, TROPAC-P 5% with tropicamide 0.8% eye drops.
- Methoxamine:** 10–20 mg i.m., 3–5 mg slow i.v. inj; VASOXINE 20 mg/ml inj.
- Mephentermine:** 10–20 mg oral/i.m., also by i.v. infusion.
MEPHENTINE 10 mg tab, 15 mg in 1 ml amp, 30 mg/ml in 10 ml vial.
- Amphetamine:** 5–15 mg oral.
- Dexamphetamine:** 5–10 mg (children 2.5–5 mg) oral.
- Methamphetamine:** 5–10 mg oral.

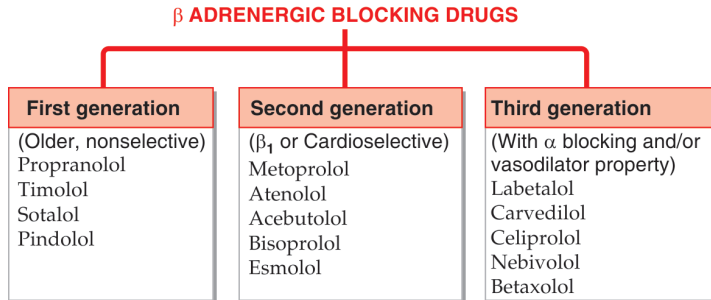
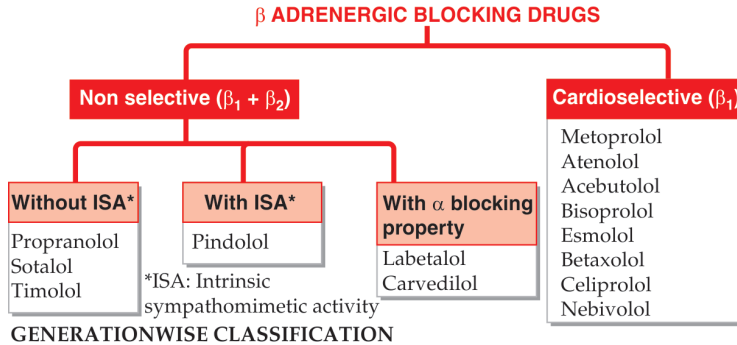
13. **Sibutramine:** Start with 10 mg OD, increase to 15 mg OD if needed.
14. **Xylometazoline:** 0.05%–0.1% topically in nose; **OTRIVIN 0.05% (pediatric), 0.1% (adult) nasal drops and nasal spray.**
15. **Oxymetazoline:** 0.025–0.05% topically in nose; **NASIVION, SINAREST 0.025% (pediatric), 0.05% (adult) nasal drops.**
16. **Naphazoline:** 0.1% topically in nose; **PRIVINE 0.1% nasal drops.**
17. **Pseudoephedrine:** 30–60 mg oral TDS; **SUDAFED 60 mg tab, 30 mg/5 ml syrup; in SINAREST 60 mg with chlorpheniramine 2 mg + caffeine 30 mg + paracetamol 500 mg tab; in CHESTON 30 mg with chlorpheniramine 2 mg + bromhexine 4 mg per tab and per 5 ml syr; in ACTICOLD 60 mg with chlorpheniramine 4 mg + paracetamol 500 mg tab; in CODYLEX 60 mg with chlorpheniramine 4 mg + ibuprofen 400 mg tab.**
18. **Phenylpropanolamine:** 25–50 mg TDS; **In ACTIFED 25 mg with triprolidine 2.5 mg tab; in ESKOLD 50 mg with diphenylpyraline 5 mg spansule; in FLUCOLD 25 mg with chlorpheniramine 2 mg + paracetamol 500 mg tab.**
19. **Ritodrine:** 50–200 $\mu\text{g}/\text{min}$ i.v. infusion, 10 mg i.m./oral 4–6 hourly; **YUTOPAR, RITROD 10 mg/ml inj (5 ml amp), 10 mg tab. RITODINE 10 mg tab, 10 mg in 1 ml inj.**
20. **Isoxsuprine:** 5–10 mg oral, i.m. 4–6 hourly, **DUVADILAN 10 mg tab, 40 mg SR cap, 10 mg/2 ml inj.**

Note: For doses and preparations of β_2 agonist bronchodilators (salbutamol, etc.) See p. 34.

α ADRENERGIC BLOCKING DRUGS

Preparations

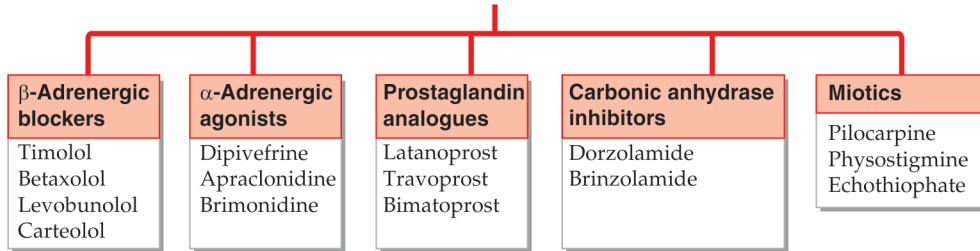
1. **Phenoxybenzamine:** 20–60 mg/day oral, 1 mg/kg slow i.v. infusion over 1 hour;
FENOXENE 10 mg cap, 50 mg/ml inj, BIOPHENOX 50 mg/ml inj.
2. **Ergotamine:** For migraine 1–3 mg oral/sublingual, repeat as required (max 6 mg in a day); rarely 0.25–0.5 mg i.m. or s.c.; **ERGOTAMINE, GYNERGEN, INGAGEN 1 mg tab, 0.5 mg/ml and 1 mg/ml inj.**
3. **Dihydroergotamine:** For migraine 2–6 mg oral (max 10 mg/day), 0.5–1 mg i.m., s.c. repeat hourly (max 3 mg); **DIHYDERGOT, DHE 1 mg tab, MIGRANIL 1 mg/ml inj.**
4. **Dihydroergotoxine (codergocrine):** For dementia 1–1.5 mg oral or sublingual, 0.15–0.6 mg i.m., **HYDERGINE 1.5 mg tab, CERELOID 1 mg tab.**
5. **Phentolamine:** 5 mg i.v. repeated as required; **REGITINE, FENTANOR 10 mg/ml inj.**
6. **Prazosin:** Start with 0.5–1 mg at bedtime; usual dose 1–4 mg BD or TDS; **PRAZOPRES 0.5, 1.0 and 2.0 mg tabs. MINIPRESS XL: PRAZOSIN GITS 2.5 mg and 5 mg tablets; 1 tab OD.**
7. **Terazosin:** Usual maintenance dose 2–10 mg OD; **HYTRIN, TERALFA, OLYSTER 1, 2, 5 mg tab.**
8. **Doxazosin:** 1 mg OD initially, increase upto 8 mg BD;
DOXACARD, DURACARD, DOXAPRESS 1, 2, 4 mg tabs.
9. **Alfuzosin:** 2.5 BD-QID or 10 mg OD as modified release tab. **ALFUSIN, ALFOO 10 mg ER tab.**
10. **Tamsulosin:** **URIMAX, DYNAPRES 0.2, 0.4 mg MR cap; CONTIFLO-OD 0.4 mg cap; 1 cap (max 2) in the morning with meals.**
11. **Yohimbine:** 2 mg oral; **YOHIMBINE 2 mg tab.**



Preparations

1. **Propranolol**: Oral—10 mg BD to 160 mg QID (average 40–160 mg/day). Start with a low dose and gradually increase according to need; i.v.—2 to 5 mg injected over 10 min with constant monitoring. It is not injected s.c. or i.m. because of irritant property. **INDERAL, CIPLAR 10, 40, 80 mg tab, 1 mg/ml inj., BETABLOC 10, 40 mg tab.**
2. **Sotalol**: 80 mg BD–160 mg TDS oral; **SOTAGARD 40, 80 mg tabs.**
3. **Pindolol**: 5–15 mg BD; **PINADOL 5 mg tab, VISKEN 10, 15 mg tab.**
4. **Metoprolol**: 25 mg BD–100 mg QID oral, 5–15 mg slow i.v. inj; **BETALOC 25, 50, 100 mg tab, 5 mg/ml inj., LOPRESOR, METOLAR 50, 100 mg tab.**
5. **S(-) Metoprolol**: 12.5 mg BD–50 mg QID; **METPURE-XL 12.5, 25, 50 mg ER tabs.**
6. **Atenolol**: 25 mg OD–50 mg BD; **BETACARD, ATEN, TENORMIN 25, 50, 100 mg tabs.**
7. **S(-) Atenolol**: 12.5–50 mg OD; **ATPURE, ADBETA 12.5, 25, 50 mg tabs.**
8. **Acebutolol**: 200 mg BD–400 mg TDS oral; 20–40 mg slow i.v. injection; **SECTRAL 200, 400 mg tabs, 10 mg/2 ml amp.**
9. **Bisoprolol**: 2.5–10 mg OD; **CONCOR, CORBIS 5 mg tab.**
10. **Esmolol**: 0.5 mg/kg i.v. injection followed by 0.05–0.2 mg/kg/min i.v. infusion; **MINIBLOCK 100 mg/10 ml, 250 mg/10 ml inj.**
11. **Celiprolol**: 100 mg OD–300 mg BD; **CELIPRES 100, 200 mg tab.**
12. **Nebivolol**: 5 mg OD (start with 2.5 mg OD in elderly); **NODON 5 mg tab, NEBICARD 2.5, 5 mg tabs.**
13. **Labetalol**: Start with 50 mg BD, increase to 100–200 mg TDS oral. In hypertensive emergencies 20–40 mg slow i.v. injection every 10 min till desired response is obtained. **NORMADATE 50, 100, 200 mg tab; LABESOL, LABETA 50 mg tab, 20 mg/4 ml inj.**
14. **Carvedilol**: *for CHF*: Start with 3.125 mg BD for 2 weeks, if well tolerated, gradually increase to max. of 25 mg BD. *for hypertension/angina*: 6.25 mg BD initially, titrate to max. of 25 mg BD. **CARVIL, CARLOC, CARVAS 3.125, 6.25, 12.5, 25 mg tabs; ORICAR 12.5, 25 mg tabs.**

TOPICAL DRUGS FOR GLAUCOMA



Preparations

1. **Timolol**: Start with 0.25% eye drops BD, change to 0.5% drops in case of inadequate response. 0.5% OD as gel forming solution. **GLUCOMOL, OCUPRES, IOTIM, LOPRES 0.25% and 0.5% eye drops. TIMOLAST 0.5% gel forming eye drops (long acting).**
Timolol 0.5% + Latanoprost 0.005%: **LAPROST PLUS, LATOCHEK-T eye drops.**
2. **Betaxolol**: 0.5% topically in eye BD; **OPTIPRES, IOBET, OCUBETA 0.5% eye drops.**
3. **Levobunolol**: 0.5% topically in eye OD; **BETAGAN 0.5% ophthalmic solution.**
4. **Dipivefrine**: 0.1% topically in eye BD; **PROPINE 0.1% eye drops.**
5. **Apraclonidine**: 0.5–1.0% topically in eye; **ALFADROPS-DS 1% eye drops.**
6. **Brimonidine**: 0.2% topically in eye TDS;
ALPHAGAN-P, BRIMODIN-P 0.15% eye drops, IOBRIM 0.2% eye drops.

7. **Latanoprost:** 0.005% topically in eye OD in evening;
LACOMA, XALATAN, LATOPROST, 9 PM 50 µg/ml eye drops; LACOMA-T, LAPROST-PLUS, LATOCHEK-T with timolol 0.5% eye drops (store in cold place).
8. **Travoprost:** 0.004% topically in eye OD in evening; TRAVATAN 0.004% eye drops (refrigeration of the eye drops not required); TRAVACOM 0.004% with timolol 0.5% eye drops.
9. **Bimatoprost:** 0.03% as eye drops OD in evening; LUMIGAN, CAREPROST 0.03% eye drops; the eye drop need not be stored in refrigerator; CAREPROST-PLUS, GANFORT with timolol 0.5% eye drop.
10. **Pilocarpine:** 0.5%–4% topically in eye; CARPINE, PILOCAR 0.5%, 1%, 2%, 4% eye drops.
11. **Dorzolamide:** 2% topically in eye BD–TDS; DORTAS, DORZOX 2% eye drops.

2

Autacoids and Related Drugs

HISTAMINERGIC AGONISTS

Nonselective agonists (H₁ + H₂ + H₃)

Histamine
Betahistine

Selective H₁ agonists

2-Methyl histamine
2-Pyridyl ethylamine
2-Thizolyl ethylamine

Selective H₂ agonists

Dimaprit
Impromidine

Selective H₃ agonists

(R) α -Methylhistamine
Imetit

H₁ ANTAGONISTS

(Conventional antihistaminics)

Highly sedative

Diphenhydramine
Dimenhydrinate
Promethazine
Hydroxyzine

Moderately sedative

Pheniramine
Cyproheptadine
Meclozine
Cinnarizine

Mildly sedative

Chlorpheniramine
Dexchlorpheniramine
Triprolidine
Clemastine

Second generation (nonsedating) anti- histaminics

Fexofenadine
Loratadine
Desloratadine
Cetirizine
Levocetirizine
Azelastine
Mizolastine
Ebastine

Preparations

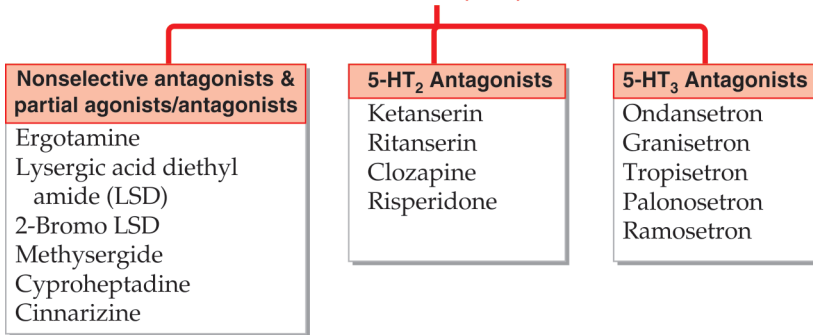
Betahistine (Histaminergic agonist): 4–8 mg 6–8 hourly; VERTIN 8 mg tab.

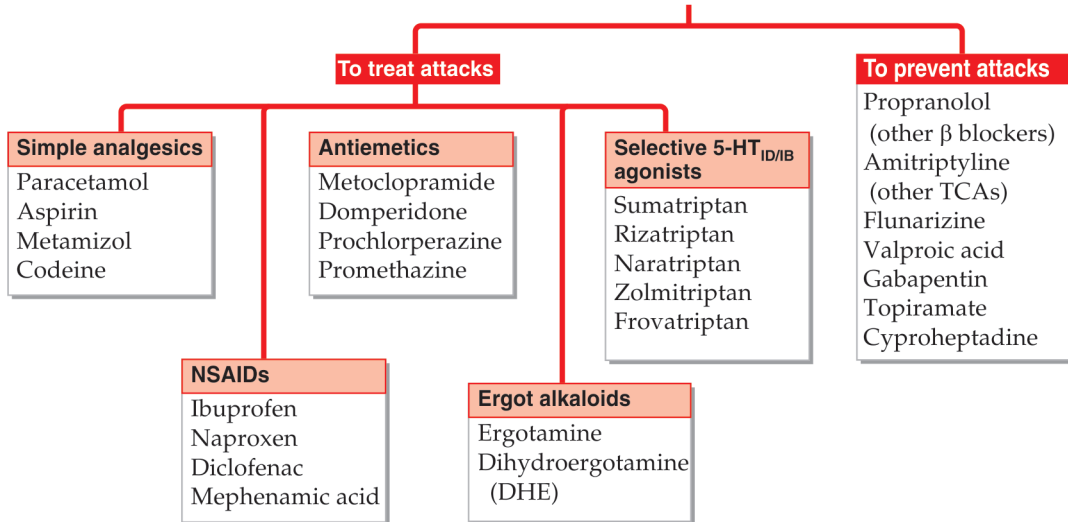
1. Diphenhydramine: 25–50 mg oral; BENADRYL 25 mg cap, 12.5 mg/5 ml syr.
2. Dimenhydrinate: 25–50 mg oral, i.m.; DRAMAMINE 16 mg/5 ml syr, 50 mg tab, GRAVOL 50 mg tab.
3. Promethazine: 25–50 mg oral, i.m. (1 mg/kg); PHENERGAN 10, 25 mg tab., 5 mg/ml elixer, 25 mg/ml inj.
4. Hydroxyzine: 25–50 mg oral, i.m.; ATARAX 10, 25 mg tab., 10 mg/5 ml syr, 6 mg/ml drops, 25 mg/ml inj.
5. Pheniramine: 20–50 mg oral, i.m.; AVIL 25 mg, 50 mg tab, 15 mg/5 ml syr, 22.5 mg/ml inj.
6. Cyproheptadine: 4 mg oral; PRACTIN, CIPLACTIN 4 mg tab., 2 mg/5 ml syrup.
7. Meclozine (Meclizine): 25–50 mg oral;
In DILIGAN 12.5 mg + niacin 50 mg tab., In PREGNIDOXIN 25 mg + Caffeine 20 mg tab.
8. Cinnarizine: 25–50 mg oral; STUGERON, VERTIGON 25 and 75 mg tab.
9. Chlorpheniramine: 2–4 mg (0.1 mg/kg) oral, i.m.; PIRITON, CADISTIN 4 mg tab.
10. Dexchlorpheniramine: 2 mg oral; POLARAMINE 2 mg tab., 0.5 mg/5 ml syrup.
11. Triprolidine: 2.5–5 mg oral; ACTIDIL 2.5 mg tab, ACTIFED 2.5 mg with pseudoephedrine 60 mg.
12. Clemastine: 1–2 mg oral; TAVEGYL 1 mg tab., 0.5 mg/5 ml syr.
13. Fexofenadine: 120–180 mg oral; ALLEGRA, ALTIVA, FEXO 120, 180 mg tab.
14. Loratadine: 10 mg oral; LORFAST, LORIDIN, LORMEG, 10 mg tab, 1 mg/ml susp.
15. Desloratadine: 5 mg oral; DESLOR, LORDAY, NEOLORIDIN 5 mg tab.
16. Cetirizine: 10 mg oral; ALERID, CETZINE, ZIRTIN, SIZON 10 mg tab, 5 mg/5 ml syr.
17. Levocetirizine: 5 mg oral; LEVORID, LEVOSIZ 5 mg, 10 mg tab, TECZINE, LEVOCET 5 mg tab, 2.5 mg/5 ml syr.
18. Azelastine: 4 mg oral, 0.28 mg intranasal; AZEP NASAL SPRAY 0.14 mg per puff nasal spray.

19. Mizolastine: 10 mg oral; **ELINA 10 mg tab.**
20. Ebastine: 10 mg oral; **EBAST 10 mg tab.**
21. Rupatadine: 10 mg oral; **RUPAHIST 10 mg tab.**

Note: For H₂-Antagonists (H₂-Antihistaminics) See p. 118, 119.

5-HYDROXY TRYPTAMINE (5-HT) ANTAGONISTS

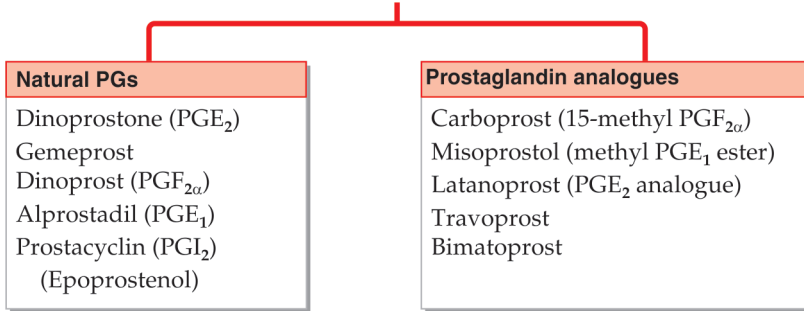


DRUGS FOR MIGRAINE

Preparations

- Ergotamine:** 1 mg oral/sublingual, repeat as required (max. 6 mg), 0.25–0.5 mg s.c./i.m.;
ERGOTAMINE 1 mg tab, 0.5 mg/ml inj.
MIGRIL: Ergotamine 2 mg, caffeine 100 mg, cyclizine 50 mg tab.
VASOGRAIN: Ergotamine 1 mg, caffeine 100 mg, paracetamol 250 mg, prochlorperazine 2.5 mg tab.
- Dihydroergotamine (DHE):** 2–6 mg oral (max. 10 mg/day), 0.5–1.0 mg i.m., s.c.; **DHE** 1 mg tab, **MIGRANIL** 1 mg/ml inj.
- Sumatriptan:** 6 mg s.c., 50–100 mg oral at the onset of migraine attack, may be repeated once within 24 hours if required. Those not responding to the first dose should not be given the second dose; 25 mg nasal spray, may be repeated once after 2 hours;
SUMINAT, SUMITREX 25, 50, 100 mg tabs, MIGRATAN 50, 100 mg tabs, SUMITREX-INJ KIT 6 mg in 0.5 ml inj; also **SUMINAT 25 mg per actuation nasal spray.**
- Rizatriptan:** 5-10 mg at the onset of migraine attack, may be repeated after 2 hours if required. Those not responding to the first dose should not be given the second dose; **RIZACT, RIZATAN 5 mg, 10 mg tabs.**
- Flunarizine:** 10–20 mg OD, children 5 mg OD; **NOMIGRAIN, FLUNARIN 5 mg, 10 mg caps/tab.**

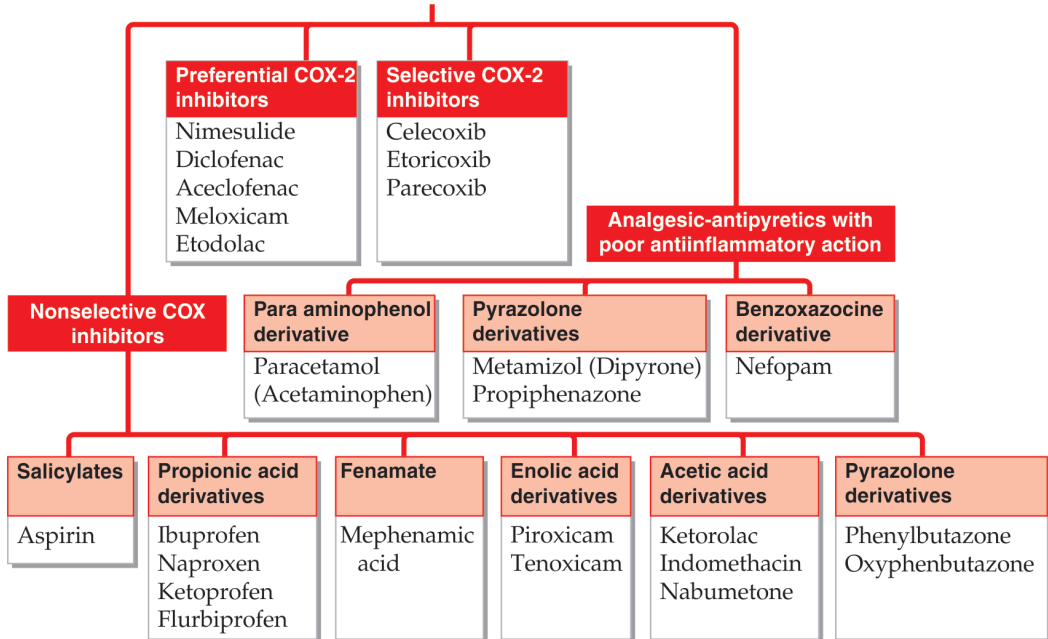
Note: For preparations of other drugs, *see* Index.

PROSTAGLANDINS (PGs)

Prostaglandins (PGs)

- PGE₂ (Dinoprostone):** **PROSTIN-E₂** for induction/augmentation of labour, midterm abortion.
Vaginal gel (1 mg or 2 mg in 2.5 ml) 1 mg inserted into posterior fornix, followed by 1–2 mg after 6 hour if required.
Vaginal tab (3 mg) 3 mg inserted into posterior fornix, followed by another 3 mg if labour does not start within 6 hour.
Extraamniotic solution (10 mg/ml in 0.5 ml amp.) infrequently used.
Intravenous solution (1 mg/ml in 0.75 ml amp., 10 mg/ml in 0.5 ml amp) i.v. route rarely used, more side effects.
Oral tablet PRIMIPROST 0.5 mg tab, one tab. hourly till induction, max 1.5 mg per hr; rarely used.
Cervical gel CERVIPRIME (0.5 mg in 2.5 ml prefilled syringe) 0.5 mg inserted into cervical canal for preinduction cervical softening and dilatation in patients with poor Bishop's score.
- Gemeprost:** **CERVAGEM 1 mg vaginal pessary:** for softening of cervix in first trimester—1 mg 3 hr before attempting dilatation; for 2nd trimester abortion/molar gestation—1 mg every 3 hours, max. 5 doses.
- PGF_{2α} (Dinoprost):** **PROSTIN F₂ ALPHA intraamniotic injection, 5 mg/ml in 4 ml amp.** for midterm abortion/induction of labour (rarely used).
- 15-methyl PGF_{2α} (Carboprost):** **PROSTODIN 0.25 mg in 1 ml amp;** 0.25 mg i.m. every 30–120 min for PPH, midterm abortion, missed abortion.
- Misoprostol (methyl–PGE₁ ester):** 200 µg oral 6 hourly; **CYTOLOG 200 µg tab, MISOPROST 100, 200 µg tab. T-PILL + MISO Mifepristone 200 mg tab (3 tabs) + misoprostol 200 µg (2 tabs);** mifepristone 3 tab orally followed 2 days later by misoprostol 2 tab orally for termination of pregnancy of upto 49 days.
- PGE₁ (Alprostadi):** 0.5 mg by slow i.v. infusion; **PROSTIN–VR, BIOGLANDIN 0.5 mg in 1 ml inj.**
- PGI₂ (Prostacyclin, Epoprostenol):** 0.5 mg by i.v. infusion or injection in extracorporeal circulation; | **FLÖLAN 0.5 mg per vial for reconstitution.**

Note: For preparations of other analogues, *see* Index.

NONSTEROIDAL ANTIINFLAMMATORY DRUGS/ANTIPYRETIC-ANALGESICS

Preparations

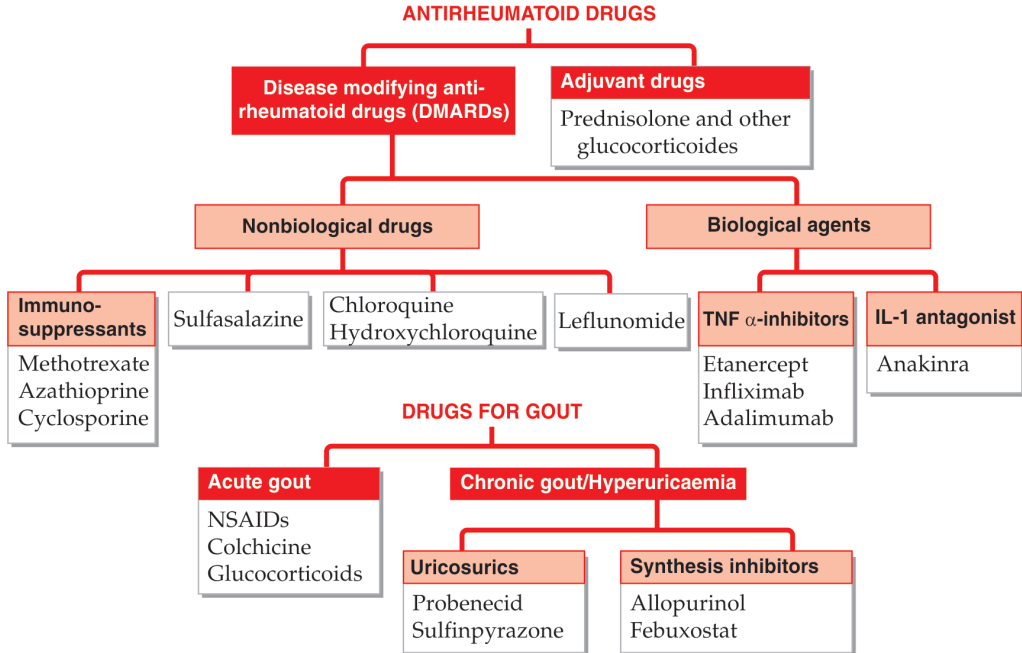
- Aspirin:** Antiinflammatory dose 3–5 g/day (75–100 mg/kg/day); analgesic-antipyretic dose 0.3–0.6 g 6–8 hourly; antiplatelet dose 75–150 mg/day. **ASPIRIN 350 mg tab, COLSPRIN 100, 325 mg tabs, ECOSPRIN 75, 150, 325 mg tabs, DISPRIN 325 mg (with calcium carbonate 105 mg + citric acid 35 mg) tab, LOPRIN 75, 162.5 mg tabs.**
BIOSPIRIN: Lysine acetylsalicylate 900 mg + glycine 100 mg/vial for dissolving in 5 ml water and i.v. injection.
- Indomethacin:** 25–50 mg BD–QID. Those not tolerating the drug orally may be given nightly suppository.
IDICIN, INDOCAP 25 mg cap, 75 mg SR cap, ARTICID 25, 50 mg cap, INDOFLAM 25, 75 mg caps, 1% eye drop. RECTICIN 50 mg suppository.
- Ibuprofen:** 400–800 mg TDS;
BRUFEN, EMFLAM, IBUSYNTH 200, 400, 600 mg tab, IBUGESIC also 100 mg/5 ml susp.
- Naproxen:** 250 mg BD–TDS;
NAPROSYN, NAXID, ARTAGEN, XENOBID 250 mg tab, NAPROSYN also 500 mg tab.
- Ketoprofen:** 50–100 mg BD–TDS;
KETOFEN 50, 100 mg tab; OSTOFEN 50 mg cap. RHOFENID 100 mg tab, 200 mg SR tab; 100 mg/2 ml amp.
- Flurbiprofen:** 50 mg BD–QID;
ARFLUR 50, 100 mg tab, 200 mg SR tab, FLUROFEN 100 mg tab, OCUFLUR 0.03% eye drops.
- Mephenamic acid:** 250–500 mg TDS; **MEDOL 250, 500 mg cap; MEFTAL 250, 500 mg tab, 100 mg/5 ml susp. PONSTAN 125, 250, 500 mg tab, 50 mg/ml syrup.**
- Diclofenac:** 50 mg TDS, then BD oral, 75 mg deep i.m.; **VOVERAN, DICLONAC, MOVONAC 50 mg enteric coated tab, 100 mg S.R. tab, 25 mg/ml in 3 ml amp. for i.m. inj. DICLOMAX 25, 50 mg tab, 75 mg/3 ml inj.**
Diclofenac potassium: VOLTAFLAM 25, 50 mg tab, ULTRA-K 50 mg tab; VOVERAN 1% topical gel.
- Aceclofenac:** 100 mg BD; **ACECLO, DOLOKIND 100 mg tab, 200 mg SR tab.**

10. **Piroxicam:** 20 mg BD for two days followed by 20 mg OD; **DOLONEX, PIROX 10, 20 mg cap, 20 mg dispersible tab, 20 mg/ml inj in 1 and 2 ml amps; PIRICAM 10, 20 mg cap.**
11. **Tenoxicam:** 20 mg OD; **TOBITIL 20 mg tab.**
12. **Ketorolac:** 10–20 mg oral 6 hourly, 15–30 mg i.m./i.v. 6 hourly (max 90 mg/day); **KETOROL, ZOROVON, KETANOV, TOROLAC 10 mg tab, 30 mg in 1 ml amp., KETLUR, ACULAR 0.5% eye drops.**
13. **Nimesulide:** 100 mg BD; **NIMULID, NIMEGESIC, NIMODOL 100 mg tab, 50 mg/5 ml susp.**
14. **Meloxicam:** 7.5–15 mg OD; **MELFLAM, MEL-OD, MUVIK, M-CAM 7.5 mg, 15 mg tabs.**
15. **Nabumetone:** 500 mg OD; **NABUFLAM 500 mg tab.**
16. **Etodolac:** 200–400 mg BD-TDS; **ETOVA 200, 300, 400 mg tabs.**
17. **Celecoxib:** 100–200 mg BD; **CELECT, CELCOX, COLCIBRA, COBIX 100, 200 mg tabs.**
18. **Etoricoxib:** 60–120 mg OD; **TOROCOXA, ETOXIB, ETOSHINE, NUCOXIA 60, 90, 120 mg tabs.**
19. **Parecoxib:** 40 mg oral/i.m./i.v. repeated after 6–12 hours (max. 80 mg/day); **PAROXIB 40 mg tab, REVALDO, VALTO-P 40 mg/vial inj.**
20. **Paracetamol:** 325–650 mg (children 10–15 mg/kg) 3–5 times a day (max. 2600 mg/day); also 80–250 mg as suppository in infants and children; **CROCIN 0.5 g tab, 125 mg/5 ml and 250 mg/5 ml syr, 100 mg/ml pediatric drops, CROCIN PAIN RELIEF 650 mg with caffeine 50 mg tab; METACIN, PARACIN 500 mg tab, 125 mg/5 ml syrup, 150 mg/ml ped. drops, ULTRAGIN, PYRIGESIC, CALPOL 500 mg tab, 125 mg/5 ml syrup, NEOMOL, FEVASTIN, FEBRINIL 300 mg/2 ml inj. JUNIMOL-RDS 80, 170, 250 mg suppository, PARACETAMOL RECTAL SUPPOSITORY 80, 170 mg.**
21. **Metamizol:** 0.5–1.5 g oral/i.m./i.v.; **ANALGIN 0.5 g tab; NOVALGIN, BARALGAN 0.5 g tab, 0.5 g/ml in 2 ml and 5 ml amps; ULTRAGIN 0.5 g/ml inj in 2 ml amp and 30 ml vial.**

22. **Propiphenazone**: 300–600 mg TDS; marketed only in combination in several 'over the counter' preparations—in **SARIDON**, **ANAFEBRIN**: propiphenazone 150 mg + paracetamol 250 mg tab, **DART**: propiphenazone 150 mg + paracetamol 300 mg + caffeine 50 mg tab.
23. **Nefopam**: 30–60 mg TDS oral, 20 mg i.m. 6 hourly; **NEFOMAX** 30 mg tab, 20 mg in 1 ml amp.

Topical NSAIDs

1. Diclofenac 1% gel: **VOLINI GEL**, **RELAXYL GEL**, **DICLONAC GEL**
2. Ibuprofen 10% gel: **RIBUFEN GEL**
3. Naproxen 10% gel: **NAPROSYN GEL**
4. Ketoprofen 2.5% gel: **RHOFENID GEL**
5. Flurbiprofen 5% gel: **FROBEN GEL**
6. Nimesulide 1% gel: **NIMULID TRANS GEL**, **ZOLANDIN GEL**, **NIMEGESIC-T-GEL**
7. Piroxicam 0.5% gel: **DOLONEX GEL**, **MOVON GEL**, **PIROX GEL**, **MINICAM GEL**



Preparations

Antirheumatoid drugs

1. **Chloroquine**: 150 mg (base) per day;
LARIAGO, RESOCHIN, NIVAQUIN-P 250 mg as phosphate (150 mg base) tab.
2. **Hydroxychloroquine**: initially 200 mg BD followed by 200 mg OD for maintenance;
ZHQUINE, ZYQ 200 mg tab.
3. **Sulfasalazine**: 1–3 g/day in 2–3 divided doses; *SALAZOPYRIN, SAZO-EN 0.5 g tab.*
4. **Leflunomide**: 100 mg/day for 3 days loading dose followed by 20 mg OD; *LEFRA 10 mg, 20 mg tabs.*
5. **Methotrexate**: 7.5–15 mg weekly oral; *NEOTREXATE, BIOTREXATE 2.5 mg tab.*
6. **Azathioprine**: 50–150 mg/day; *IMURAN 50 mg tab.*
7. **Etanercept**: 25–50 mg s.c. once or twice weekly; *ENBREL, ENBROL 25 mg/0.5 ml and 50 mg/1 ml inj.*

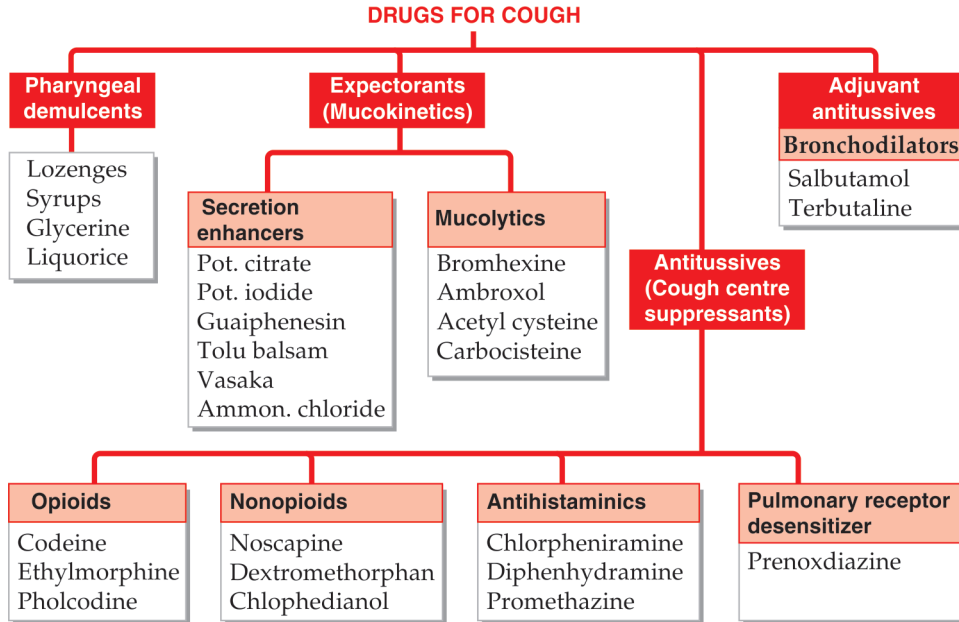
Note: For preparations of corticosteroids, see Index.

Drugs for gout

1. **Colchicine**: For control of acute attack – 0.5 mg 1–3 hourly to a total of 3 doses; maintenance dose 0.5–1 mg/day; for prophylaxis 0.5–1.5 mg/day; *ZYCOLCHIN, GOUTNIL 0.5 mg tab.*
2. **Probenecid**: 0.25–1.0 g BD; *BENEMID, BENCID 0.5 g tab.*
3. **Allopurinol**: Start with 100 mg OD, gradually increase to maintenance dose of 300 mg/day; maximum 600 mg/day. *ZYLORIC 100, 300 mg tabs., ZYLOPRIM, CIPLORIC 100 mg cap.*
4. **Febuxostat**: 40–80 mg OD; *FABULAS, FABUSTAT, ZURIG, 40, 80, 120 mg tabs.*

3

Drugs for Respiratory Disorders



Preparations

1. Sod./Pot. citrate/acetate: 0.3–1.0 g TDS.
2. Guaiphenesin: 100–200 mg TDS.
3. Tolu balsam: 0.3–0.6 g TDS.
4. Vasaka syrup: 2–4 ml TDS.
5. Ammonium chloride: 50–200 mg TDS.
6. Bromhexine: 8 mg TDS, child 1–5 yr 4 mg BD, 5–10 yr 4 mg TDS; **BROMHEXINE 8 mg tab, 4 mg/5 ml elixer.**
7. Ambroxol: 15–30 mg TDS;
AMBRIL, AMBROLITE, AMBRODIL, MUCOLITE 30 mg tab, 30 mg/5 ml liq, 7.5 mg/ml drops.
8. Carbocisteine: 250–750 mg TDS; **MUCODYNE 375 mg cap, 250 mg/5 ml syr.**
9. Acetylcysteine: 200 mg/ml solution by nebulization or instillation through tracheostomy tube;
MUCOMIX 200 mg/ml inj in 1, 2, 5 ml amps.
10. Codeine: 15–30 mg TDS; children 2–6 years 7.5 mg, 6–12 years 15 mg; **CODINE 15 mg tab, 15 mg/5 ml linctus.**
11. Ethylmorphine: 10–30 mg TDS; **DIONINDON 16 mg tab.**
12. Pholcodine: **10–15 mg BD–TDS.**
13. Noscopine: 15–30 mg, children 2–6 years 7.5 mg, 6–12 years 15 mg;
COSCOPIN 7 mg/5 ml syrup, COSCOTABS 25 mg tab.
14. Dextromethorphan: 10–20 mg TDS, child 2–6 yr 2.5–5 mg, 6–10 yrs 5–10 mg.
15. Chlophedianol: 20–40 mg BD–TDS;
DETIGON, TUSSIGON 20 mg/5 ml linctus with Ammon. chloride 50 mg and menthol 0.25 mg.
16. Prenoxdiazine: 100–200 mg TDS. **PRENOXID 100, 200 mg tab.**

Some combined antitussive-expectorant formulations

ASTHALIN EXPECTORANT: Salbutamol 2 mg, guaiphenesin 100 mg per 10 ml syr; dose 10–20 ml.

ASCORIL-C: Codeine 10 mg, chlorpheniramine 4 mg per 5 ml syr.

AXALIN: Ambroxol 15 mg, guaiphenesin 50 mg, salbutamol 1 mg, menthol 1 mg per 5 ml syr.

BRONCHOSOLVIN: Guaiphenesin 100 mg, terbutaline 2.5 mg, bromhexine 8 mg per 10 ml susp.

CADICOFF, GRILINCTUS: Dextromethorphan 5 mg, chlorpheniramine 2.5 mg, guaiphenesin 50 mg, amm. chloride 60 mg per 5 ml syr.

BENADRYL COUGH FORMULA: Diphenhydramine 14 mg, amm. chlor. 138 mg, sod. citrate 57 mg, menthol 1.1 mg per 5 ml syrup; dose 5–10 ml, children 2.5–5 ml.

BRO-ZEDEX: Bromhexine 8 mg, guaiphenesin 100 mg, terbutaline 2.5 mg, menthol 5 mg per 10 ml syrup; dose 10 ml.

CADISTIN EXPECTORANT: Chlorpheniramine 2 mg, glyceryl guaiacolate 80 mg, amm. chlor. 100 mg, sod. citrate 44 mg, menthol 0.8 mg, terpin hydrate 4 mg, tolu balsam 6 mg, vasaka syrup 0.13 ml per 5 ml syrup; dose 10 ml.

CHERICOF: Dextromethorphan 10 mg, chlorpheniramine 2 mg, phenylpropanolamine 12.5 mg per 5 ml liq.

CLISTIN: Dextromethorphan 10 mg, Carbinoxamine 4 mg, amm. chlor. 240 mg, sod. citrate 240 mg per 10 ml syrup.

COREX: Chlorpheniramine 4 mg, codeine phos. 10 mg, menthol 0.1 mg per 5 ml syrup; dose 5 ml, children 1.25–2.5 ml.

COSCOPIN LINCTUS: Noscapine 7 mg, chlorpheniramine 2 mg, citric acid 29 mg, sod. citrate 3 mg, amm. chlor. 28 mg per 5 ml syrup; dose 10–20 ml.

COSOME: Bromhexine 8 mg, phenylephrine 10 mg, chlorpheniramine 4 mg per 10 ml syr; dose 10 ml.

SOLVIN EXPECTORANT: Bromhexine 4 mg, pseudoephedrine 30 mg tablet and in 10 ml liquid; dose 1 tablet or 5 ml liquid.

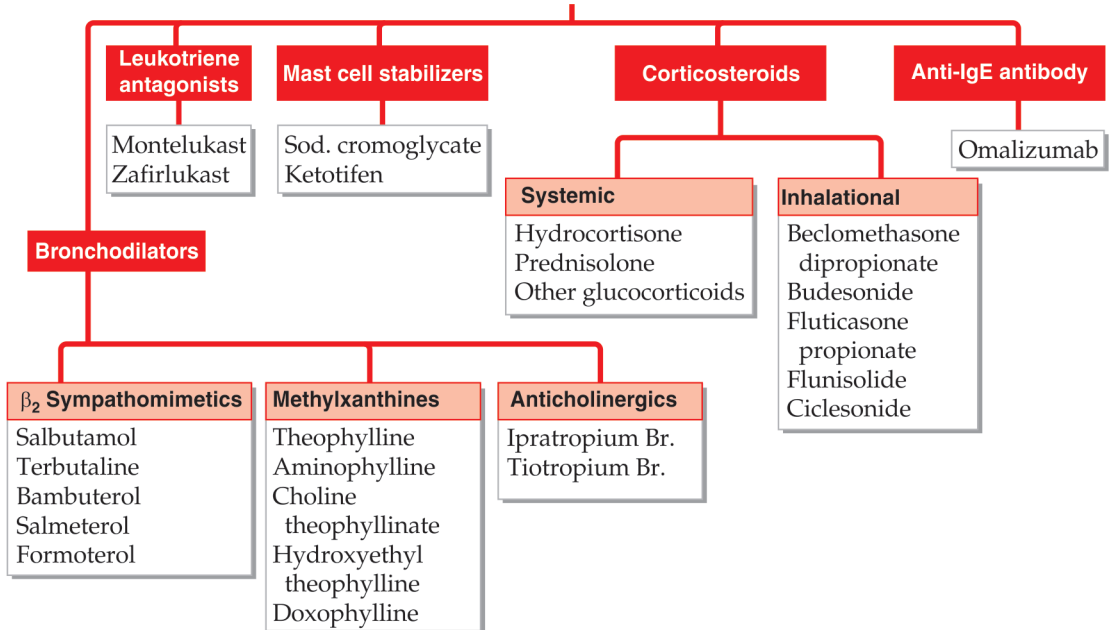
TOSSEX: Codeine phos 10 mg, chlorpheniramine 4 mg, menthol 1.5 mg, sod. citrate 75 mg per 5 ml liquid; dose 5 ml.

VENTORLIN EXPECTORANT: Salbutamol 2 mg, guaiphenesin 100 mg per 10 ml syrup; dose 10 ml, children 2.5–7.5 ml.

ZEET EXPECTORANT: Diphenhydramine 8 mg, amm. chlor. 100 mg, guaiphenesin 50 mg, bromhexine 4 mg, menthol 1 mg per 5 ml syr.

ZEET LINCTUS: Dextromethorphan 10 mg, guaiphenesin 50 mg, phenylpropanolamine 25 mg per 5 ml syr; dose 5 ml.

DRUGS FOR BRONCHIAL ASTHMA



Preparations

- Salbutamol (Albuterol):** 2–4 mg oral, 0.25–0.5 mg i.m./s.c., 100–200 µg by inhalation; **ASTHALIN** 2, 4 mg tab., 8 mg SR tab., 2 mg/5 ml syrup, 100 µg metered dose inhaler; 5 mg/ml respirator soln., 200 µg rota caps; **CROYSAL** 0.5 mg/ml inj, **SALOL** 2.5 mg/3 ml inj; **VENTORLIN** 2 mg/5 ml syr, 4 mg, 8 mg CR caps., **DERIHALER** 100 µg metered dose inhaler.
- Terbutaline:** 5 mg oral, 0.25 mg s.c., 250 µg by inhalation; **TERBUTALINE**, **BRICAREX** 2.5, 5 mg tab., 3 mg/5 ml syrup, 0.5 mg/ml inj; **MISTHALER** 250 µg/metered dose, 10 mg/ml nebulizing soln.; **BRICANYL** 0.5 mg/ml inj, 2.5 mg, 5 mg tabs, 1.5 mg/5 ml syr.
- Bambuterol:** 10–20 mg OD in the evening; **BAMBUDIL** 10 mg, 20 mg tabs, 5 mg/5 ml oral soln; **BETADAY** 10, 20 mg tabs.
- Salmeterol:** 50–100 µg by inhalation; **SALMETER**, **SEROBID** 25 µg per metered dose inhaler; 2 puffs BD; severe cases 4 puffs BD; also **SEROBID ROTACAPS** 50 µg; 1–2 caps BD by inhalation.
SEROFLO—100/250/500 ROTACAPS: Salmeterol 50 µg + fluticasone 100 µg/250 µg/500 µg per rotacap
SEROFLO—125/250, COMBITIDE—125/250, INHALERS: Salmeterol 25 µg + fluticasone 125 µg or 250 µg per puff.
- Formoterol:** 12–24 µg by inhalation twice daily; **FORATEC** 12 µg rotacaps.
- Theophylline (anhydrous):** 100–300 mg TDS (15 mg/kg/day), **THEOLONG** 100, 200 mg SR cap., **DURALYN-CR** 400 mg continuous release cap, **UNICONTIN** 400 mg, 600 mg CR tabs, **THEOBID** 200, 300 mg tabs.
- Aminophylline (Theophylline-ethylenediamine; 85% theophylline):** water soluble, can be injected i.v. but not i.m. or s.c., 250–500 mg oral or slow i.v. injection; children 7.5 mg/kg i.v.; **AMINOPHYLLINE** 100 mg tab, 250 mg/10 ml inj.
- Hydroxyethyl theophylline (Etophylline, 80% theophylline):** water soluble; can be injected i.v. and i.m. (but not s.c.), 250 mg oral/i.m./i.v.; **DERIPHYLLIN** 100 mg tab., 300 mg SR tab., 220 mg/2 ml inj.

9. **Choline theophyllinate (Oxtriphylline; 64% theophylline):** 250–500 mg oral;
CHOLIPHYLLINE 125 mg cap., 125 mg/5 ml elixir.
10. **Theophylline ethanolate of piperazine:** 250–500 mg oral or i.v.;
CADIPHYLLATE, 80 mg/5 ml elixir; **ETOPHYLATE** 125 mg/5 ml syrup.
11. **Doxophylline:** 400 mg OD-BD, Children 12 mg/kg/day; **DOXORIL** 400 mg tab, 100 mg/5 ml syr.
12. **Ipratropium bromide:** 40–80 µg by inhalation; **IPRAVENT** 20 µg/puff metered dose inhaler, 2 puffs 3–4 times daily; **250 µg/ml respirator soln.**, 0.4–2 ml nebulized in conjunction with a β_2 agonist 2–4 times daily.
13. **Tiotropium bromide:** 18 µg by inhalation; **TIOVA** 18 µg rotacaps; 1 rotacap by inhalation OD.
14. **Montelukast:** 10 mg OD; children 2–5 yr 4 mg OD, 6–14 yr 5 mg OD in the evening;
EMLUKAST, **MONTAIR**, **VENTAIR** 4 mg, 5 mg, 10 mg tabs.
15. **Zafirlukast:** 20 mg BD; children 5–11 yr 10 mg BD;
ZUVAIR 10 mg, 20 mg tabs.
16. **Sodium cromoglycate:** 2–10 mg by inhalation 3–4 times a day;
FINTAL inhaler: 1 mg metered dose aerosol; 2 puffs 4 times daily.
CROMAL-5 INHALER: 5 mg metered dose aerosol, 2 puffs 4 times daily.
17. **Ketotifen:** 1–2 mg BD; children 0.5 mg BD; **ASTHAFEN** 1 mg tab, 1 mg/5 ml syrup; **KETOVENT** 1 mg tab.
18. **Beclomethasone dipropionate:** Initially 100–200 µg BD by inhalation, increase as needed upto 400 µg QID;
BECLATE INHALER 50 µg, 100 µg, 200 µg per metered dose, 200 doses inhaler, **BECORIDE** 50, 100, 250 µg per puff inhaler.
BECLATE ROTACAPS (with rotahaler) 100, 200, 400 µg powder per cap.
AEROCORT INHALER 50 µg/metered aerosol dose with salbutamol 100 µg.
AEROCORT ROTACAPS 100 µg with salbutamol 200 µg rotacaps (with rotahaler).
19. **Budesonide:** 200–400 µg BD–QID by inhalation in asthma; 200–400 µg/day by intranasal spray for allergic rhinitis.

PULMICORT 100, 200, 400 μg /metered dose inhaler, BUDECORT 100 μg /metered dose inhaler.

FORACORT: Formoterol 6 μg + Budesonide 100 μg /200 μg rotacaps.

RHINOCORT 50 μg per metered dose nasal spray; BUDENASE AQ 100 μg /metered dose aqueous nasal spray; for prophylaxis and treatment of seasonal and perennial allergic or vasomotor rhinitis, nasal polyposis; initially 2 puffs in each nostril every morning, maintenance 1 puff in each nostril in the morning.

20. **Fluticasone propionate:** 100–250 μg BD (max 1000 μg /day) by inhalation; FLOHALE INHALER 25 μg , 50 μg , 125 μg per actuation, FLOHALE ROTACAPS 50 μg , 100 μg , 250 μg rotacaps. FLOMIST 50 μg per actuation nasal spray.
21. **Flunisolide:** 25 μg by local spray in each nostril BD-TDS; SYNTARIS 25 μg per actuation nasal spray (for allergic rhinitis).
22. **Ciclesonide:** 80–160 μg by inhalation OD in the evening; CICLEZ 80 μg and 160 μg per metered dose inhaler.

Note: For preparations of systemic corticosteroids, see Index.

Some combined antiasthma formulations

BRONKOPLUS: Salbutamol 2 mg, anhydrous theophylline 100 mg tab., also per 5 ml syrup.

BRONKOTUS: Bromhexine 8 mg, salbutamol 2 mg tab., also syrup—bromhexine 4 mg, salbutamol 2 mg per 5 ml.

DUOLIN INHALER, COMBIMIST INHALER Salbutamol 100 μg + ipratropium 20 μg per metered dose inhaler.

DUOLIN ROTACAP salbutamol 200 μg + ipratropium 40 μg per rotacap.

DUOLIN RESPULES, COMBIMIST RESPULES salbutamol 2.5 mg + ipratropium 500 μg in 2.5 ml respirator solution.

TERPHYLIN: Terbutaline 2.5 mg, etophylline 100 mg tab.

THEO ASTHALIN: Salbutamol 2 mg, theophylline anhydrous 100 mg tab.

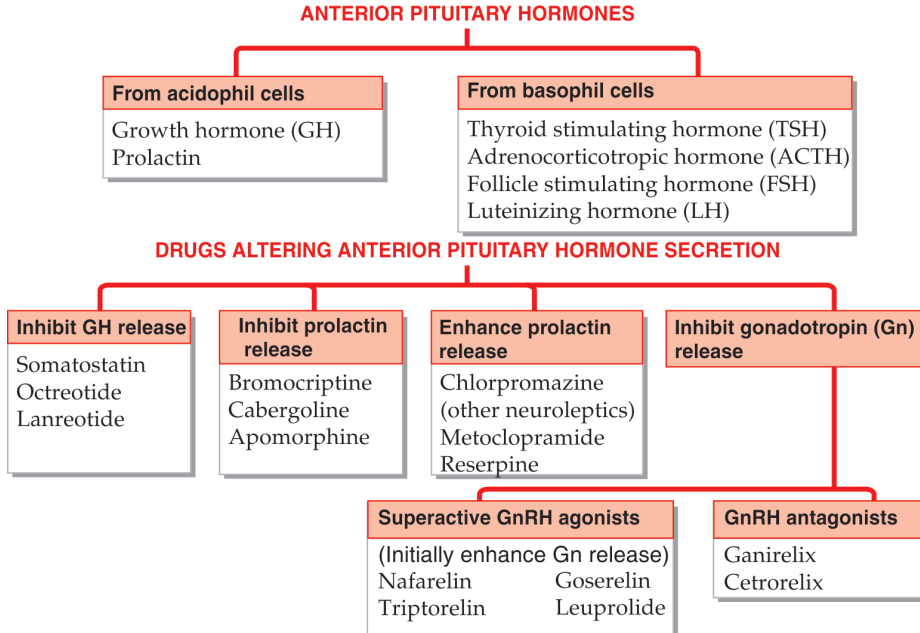
THEO ASTHALIN-SR: Salbutamol 4 mg, theophylline 300 mg SR tab, also syrup—Salbutamol 2 mg, theophylline 100 mg per 10 ml.

THEOBRIC: Terbutaline 2.5 mg, theophylline 100 mg tab.

THEOBRIC SR: Terbutaline 5 mg, theophylline 300 mg SR tab.

4

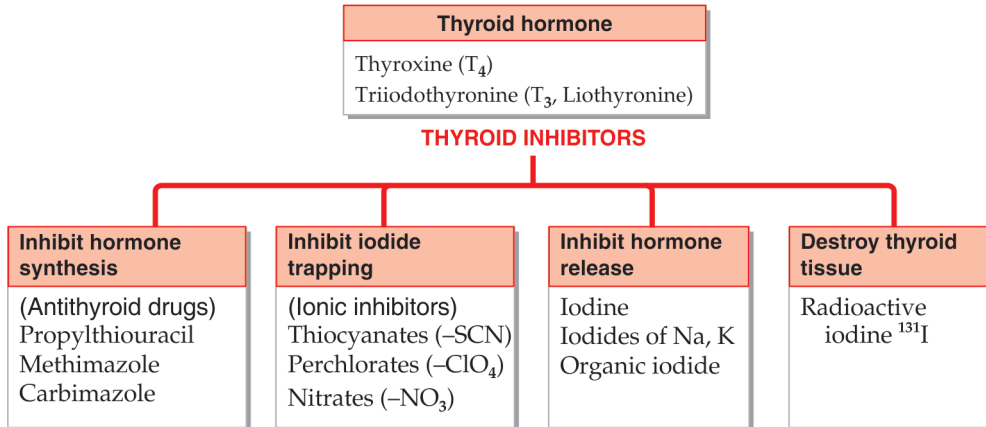
Hormones and Related Drugs



Preparations

- 1. Growth hormone (Somatropin: recombinant human GH):** For pituitary dwarfism: 0.03–0.06 mg/kg s.c./i.m. in the evening daily or on alternate days. For adult GH deficiency 150–300 µg/day s.c., later adjusted according to response; **NORDITROPIN 5,10,15 mg inj., HUMATROPE 6 mg, 12 mg cartridges, 1.33 and 5.33 mg vials.**
- 2. Menotropins (FSH + LH):** obtained from urine of menopausal women: **PREGNORM, PERGONAL, GYNOGEN 75/150; 75 IU FSH + 75 IU LH activity per amp, also 150 IU FSH + 150 IU LH per amp.**
- 3. Urofollitropin or Menotropin (pure FSH):** **METRODIN, FOLIGEST, FOLICULIN, PUREGON 75 IU and 150 IU per amp.**
- 4. Human chorionic gonadotropin (HCG)** derived from urine of pregnant women. **CORION, PROFASI, PUBERGEN 1000 IU, 2000 IU, 5000 IU, 10,000 IU, all as dry powder with separate solvent for injection.**
- 5. Somatostatin:** For upper g.i.bleeding 250 µg slow i.v. injection over 3 min followed by 3 mg i.v. infusion over 12 hours. **STILMEN, SOMATOSAN, SOMASTAT 250 µg and 3 mg amps.**
- 6. Octreotide:** 100 µg i.v. followed by 25 µg/hour; **SANDOSTATIN, OCTRIDE 50 µg, 100 µg in 1 ml amp, SANDOSTATIN LAR (microsphere formulation) 20 mg/5 ml inj.**
- 7. Bromocriptine:** Start with 1.25 mg BD, titrate upward upto 10 mg BD; **PROCTINAL, PARLODEL, SICRIPTIN, BROMOGEN 1.25 mg, 2.5 mg tabs.**
- 8. Cabergoline:** Start with 0.25 mg twice weekly, increase upto 1 mg twice weekly as needed; **CABERLIN 0.5 mg tab, CAMFORTE 0.5, 1 mg tabs.**
- 9. Nafarelin:** For endometriosis 200 µg intranasal spray BD; For precocious puberty 800 µg intranasal spray BD; **NASAREL 2 mg/ml solution for nasal spray, 200 µg per actuation.**

10. **Triptorelin:** For endometriosis and carcinoma prostate: 3.75–7.5 mg of depot injection i.m. every 4 weeks; For female infertility: 0.1 mg s.c. daily for 10 days starting on 2nd day of menstruation; For precocious puberty: 50 µg/kg i.m. of depot injection every 4 weeks.
DECAPEPTYL DAILY 0.1 mg inj, DECAPEPTYL DEPOT 3.75 mg inj.
11. **Leuprolide:** For palliative treatment of advanced carcinoma prostate—1 mg s.c. OD or 3.75 mg i.m./s.c. once a month of depot preparation; **LUPRIDE 1 mg inj, 3.75 mg depot inj, PROGTASE 1 mg/ml inj.**

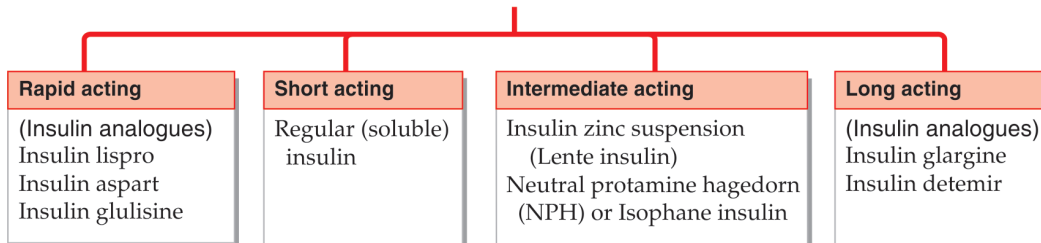


Preparations

L-Thyroxine sod: Adult hypothyroidism—start with 50 µg/day, increase every 2–3 weeks by 25–50 µg to the optimum dose of 100–200 µg/day adjusted by the clinical response and serum TSH level. Cretinism—6–8 µg/kg/day; **ELTROXIN, 25, 50, 100 µg tabs, ROXIN 100 µg tab, THYRONORM, 12.5, 25, 50, 62.5, 75, 88, 100, 112, 125, 137, 150 µg tabs, THYROX 25, 50, 75, 100 µg tabs.**

- Propylthiouracil:** 50–150 mg TDS followed by 25–50 mg BD–TDS for maintenance. **PTU 50 mg tab.**
- Methimazole:** 5–10 mg TDS initially, maintenance dose 5–15 mg daily in 1–2 divided doses.
- Carbimazole:** 5–15 mg TDS initially, maintenance dose 2.5–10 mg daily in 1–2 divided doses; **NEO MERCAZOLE, THYROZOLE, ANTITHYROX 5 mg tab.**
- Lugol's solution (5% iodine in 10% Pot. iodide solution):** **LUGOL'S SOLUTION, COLLOID IODINE 10%: 5–10 drops/day. COLLOSOL 8 mg iodine/5 ml liq.**
- Iodide (Sod./Pot.):** 5–10 mg/day prophylactic for endemic goiter; 100–300 mg/day before partial thyroidectomy in Graves' disease.

INSULINS

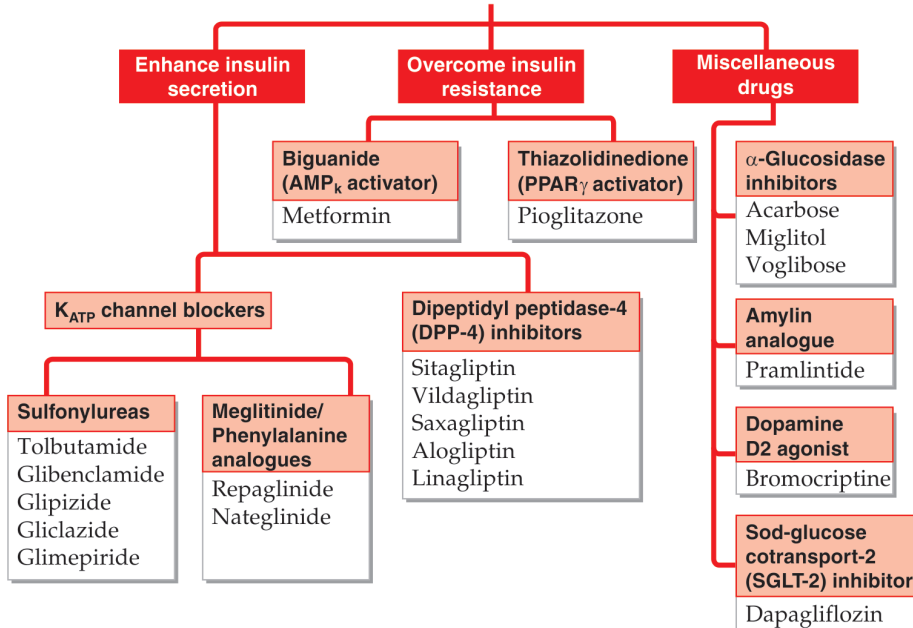


Preparations

(Dose to be individualized according to requirement)

1. ACTRAPID, RAPIDICA: Highly purified pork regular insulin; 40 U/ml.
2. LENTARD, ZINULIN: Highly purified pork lente insulin; 40 U/ml.
3. ACTRAPHANE, RAPIMIX, MIXTARD: Highly purified pork regular insulin (30%) and isophane insulin (70%) 40 U/ml.
4. ACTRAPID MC: Monocomponent pork regular insulin; 40 U/ml, 100 U/ml.
5. MONOTRAD MC: Monocomponent pork lente insulin; 40 U/ml.
6. HUMAN ACTRAPID: Human regular insulin; 40 U/ml, 100 U/ml, ACTRAPID HM PENFIL 100 U/ml pen inj., WOSULIN-R 40 U/ml inj and 100 U/ml pen injector cartridges.
7. HUMAN MONOTRAD, HUMINSULIN-L: Human lente insulin; 40 U/ml, 100 U/ml.
8. HUMAN INSULATARD, HUMINSULIN-N: Human isophane insulin 40 U/ml, WOSULIN-N 40 U/ml inj and 100 U/ml cartridges for pen injector.
9. HUMAN ACTRAPHANE, HUMINSULIN 30/70, HUMAN MIXTARD: Human soluble insulin (30%) and isophane insulin (70%), 40 U/ml, and 100 U/ml vial. WOSULIN-30/70 40 U/ml inj and 100 U/ml cartridges.
10. ACTRAPHANE HM PENFIL: Human soluble insulin 30% + isophane insulin 70% 100 U/ml pen injector.
11. INSUMAN 50/50: Human soluble insulin 50% + isophane insulin 50% 40 U/ml inj; HUMINSULIN 50:50, HUMAN MIXTARD 50; WOSULIN 50/50 40 U/ml inj. and 100 U/ml cartridges.
12. **Insulin Lispro (rDNA origin):** HUMALOG 100 U/ml, 3 ml cartridge and 10 ml vial; to be injected s.c. within 15 min before or immediately after a meal.
13. **Insulin Aspart:** NOVOLOG, NOVORAPID 100 U/ml inj; NOVOMIX 30 FLEXPEN inj (biphasic insulin aspart).
14. **Insulin Glargine:** LANTUS OPTISET 100 U/ml prefilled pen injector 3 ml and vial 5 ml.

ORAL ANTIDIABETIC DRUGS



Preparations

1. Tolbutamide: 0.5–3 g/day in 2–3 divided doses; **RASTINON 0.5 g tab.**
2. Glibenclamide (Glyburide): 2.5–15 mg/day in 1–2 doses; **DAONIL, EUGLUCON, BETANASE 2.5, 5 mg tab.**
3. Glipizide: 5–20 mg/day in 1–2 doses; **GLYNASE, GLIDE, MINIDIAB 5 mg tab.**
4. Gliclazide: 40–240 mg/day in 1–2 doses;
DIAMICRON 80 mg tab, DIAZIDE 20, 80 mg tab, GLIZID 30, 40, 80 mg tab.
5. Glimepiride: 1–6 mg per day in 1–2 doses; **AMARYL, GLYPRIDE, GLIMER 1, 2 mg tab.**
6. Metformin: 0.5–2.5 g/day in 1–2 doses; **GLYCIPHAGE, GLYCOMET 0.5, 0.85 g tab.**
7. Repaglinide: 1–8 mg/day in 3–4 doses; **EUREPA, REGAN, RAPLIN 0.5, 1, 2 mg tab.**
8. Nateglinide: 180–480 mg/day in 3–4 doses; **GLINATE, NATELIDE 60, 120 mg tab.**
9. Pioglitazone: 15–45 mg OD; **PIONORM, PIOREST, PIOZONE 15, 30 mg tab.**
10. Acarbose: 50–100 mg TDS taken just before each major meal;
GLUCOBAY 50, 100 mg tabs, ASUCROSE, GLUCAR 50 mg tab.
11. Miglitol: 25–100 mg TDS at beginning of each meal; **MIGTOR, DIAMIG, ELITOX 25, 50 mg tab.**
12. Voglibose: 0.2–0.3 mg TDS just before meals; **VOGLITOR, VOLIX, VOLIBO 0.2 and 0.3 mg tabs.**
13. Sitagliptin: 100 mg OD-BD before meals; **JANUVIA 100 mg tab.**
14. Vildagliptin: 50–100 OD or BD before meals; **GALVUS, JALRA, ZOMELIS 50 mg tab.**
15. Saxagliptin: 5 mg OD; half dose in renal failure; **ONGLYZA 2.5, 5 mg tabs.**

CORTICOSTEROIDS**Glucocorticoids****Short acting**

Hydrocortisone
(Cortisol)

Intermediate acting

Prednisolone
Methyl prednisolone
Triamcinolone
Deflazacort

Long acting

Dexamethasone
Betamethasone

Mineralocorticoids

Desoxycorticosterone
acetate (DOCA)
Fludrocortisone
Aldosterone

TOPICAL STEROIDS**Potent**

Beclomethasone dipropionate (0.025%)
Betamethasone benzoate (0.025%)
Betamethasone valerate (0.12%)
Halcinonide (0.1%)
Clobetasol propionate (0.05%)
Fluocinolone acetonide (0.025%)
Fluocortolone (0.5%)
Triamcinolone acetonide (0.1%)
Dexamethasone sod. phos. (0.1%)

Moderately potent

Fluocinolone acetonide (0.01%)
Fluocortolone (0.025%)
Clobetasol butyrate (0.05%)
Mometasone (0.1%)
Fluticasone propionate (0.05%)
Hydrocortisone acetate (2.5%)

Mild

Hydrocortisone
acetate (0.1–1.0%)
Hydrocortisone
butyrate (0.001%)

Preparations

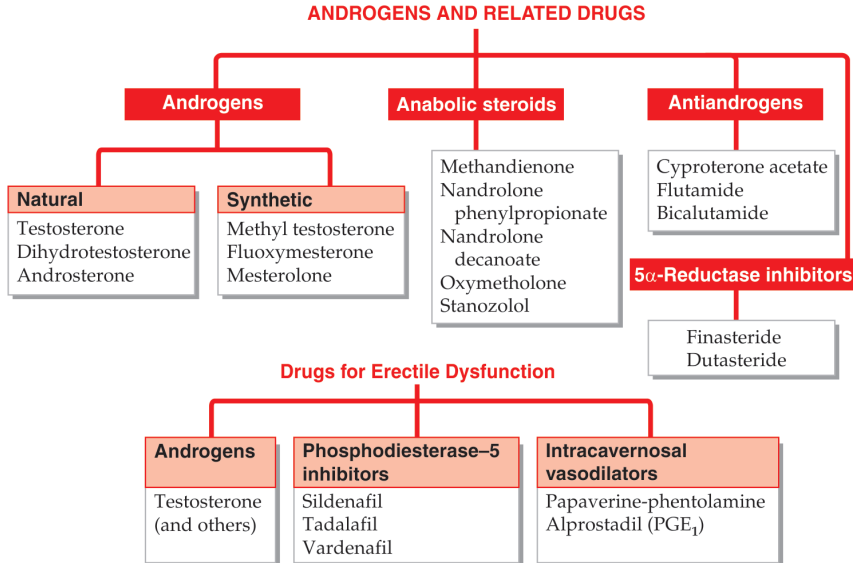
- 1. Hydrocortisone:** 20–30 mg/day oral for replacement therapy; 100 mg i.v. 8 hourly (as hemisuccinate); 100–200 mg i.m./intraarticular (as acetate), 2.0 g as retention enema;
LYCORTIN-S, EFCORLIN SOLUBLE 100 mg/2 ml vial (as hemisuccinate for i.v. inj.) WYCORT, EFCORLIN 25 mg/ml vial (as acetate for i.m./intraarticular inj.). PRIMACORT 100, 200, 400 mg/vial inj; ENTOFOAM 2 g in 20 g foam cream (10%) for retention enema.
- 2. Prednisolone:** 5–60 mg/day oral, 10–40 mg i.m./intraarticular; DELTACORTRIL, HOSTACORTIN-H, 5, 10 mg tab, 20 mg/ml (as acetate) for i.m., intraarticular inj., WYSOLONE, NUCORT, 5, 10, 20, 40 mg tab.
- 3. Methyl prednisolone:** 4–32 mg/day oral, 0.5–1.0 g slow i.v. injection for pulse therapy;
SOLU-MEDROL methylprednisolone (as sod. succinate) 4 mg tab; 40 mg, 125 mg, 0.5 g (8 ml) and 1.0 g (16 ml) vial, for i.m. or slow i.v. inj., DEESOLONE 4 mg, 16 mg tab, 0.5 g, 1.0 g inj.
- 4. Triamcinolone:** 4–32 mg/day oral, 5–40 mg i.m./intraarticular;
KENACORT, TRICORT 1, 4, 8 mg tab., 10 mg/ml, 40 mg/ml (as acetonide) for i.m., intraarticular inj., LEDERCORT 4 mg tab., KENALOG-S EYE 0.1% with neomycin 0.25% and gramicidin 0.025% eye oint.
- 5. Dexamethasone:** 0.5–5 mg/day oral, 4–20 mg i.v. or i.m.;
DECADRON, DEXONA 0.5 mg tab, 4 mg/ml (as sod. phosphate) for i.v., i.m. inj, 0.5 mg/ml oral drops;
WYMESONE, DECDAN 0.5 mg tab, 4 mg/ml inj, OCUDEX, MINIDEX, DEXONA 0.1% eye drops.
- 6. Betamethasone:** 0.5–5 mg/day oral, 4–20 mg i.v./i.m. inj;
BETNESOL, BETACORTRIL, CELESTONE 0.5 mg, 1 mg tab, 4 mg/ml (as sod. phosphate) for i.v., i.m. inj., 0.5 mg/ml oral drops. BETNELAN 0.5 mg, 1 mg tabs, BETNESOL EYE/EAR 0.1% drops and oint.
- 7. Deflazacort:** Initially 60–120 mg/day, maintenance 6–18 mg/day, children 0.25–1.5 mg/kg on alternate days.
DEFLAR, DEFZA, DFZ 1, 6, 30 mg tabs, DEFGLU 6, 30 mg tabs.
- 8. Desoxycorticosterone acetate (DOCA):** 2–5 mg sublingual, 10–20 mg i.m. once or twice weekly;
in DOCABOLIN 10 mg/ml inj. (along with nandrolone).

9. **Fludrocortisone:** Replacement therapy in Addison's disease 50–200 µg daily. Congenital adrenal hyperplasia in patients with salt wasting 50–200 µg/day.
Idiopathic postural hypotension 100–200 µg/day. **FLORICORT 100 µg tab.**

Topical Steroids

1. Beclomethasone dipropionate 0.025% **BECLATE** cream
2. Betamethasone benzoate 0.025% **TOPICASONE** cream, oint.
3. Betamethasone valerate 0.12% **BETNOVATE** cream, oint., **BETASONE** cream
4. Halcinonide 0.1% **CORTILATE, HALOG** cream
5. Clobetasol propionate 0.05% **LOBATE, TENOVATE, DERMOTYL** cream
6. Dexamethasone sod. phosphate 0.1% **DECADRON** cream (with Neomycin 0.35%)
7. Dexamethasone trimethyl-acetate 0.1% **MILLICORTENOL** cream
8. Fluocinolone acetonide 0.025% **FLUCORT** oint., **LUCI** oint.
9. Fluocortolone 0.5% **ULTRALAN** oint.
10. Triamcinolone acetonide 0.1% **LEDERCORT** oint.
11. Fluocinolone acetonide 0.01% **FLUCORT-H** oint. and skin lotion
12. Clobetasol butyrate 0.05% **EUMOSONE** cream
13. Fluocortolone 0.25% **COLSIPAN** oint.
14. Mometasone 0.1% **MOMATE, CUTIZONE** oint, cream
15. Fluticasone propionate 0.05% **FLUTIVATE, MOLIDERM** cream
16. Hydrocortisone + (urea 12%) 1% **COTARYL-H** cream.
17. Hydrocortisone acetate 2.5% **WYCORT** oint.

18. Hydrocortisone acetate 0.1–1.0% LYCORTIN 1% oint., in CORTOQUINOL 1% with quiniodochlor, 4% cream, GENTACYN-HC TOPICAL 1% with gentamicin 0.1%, CORTISON-KEMICETINE 0.5% with chloramphenicol 0.5%.
19. Hydrocortisone butyrate 0.001% LOCOID cream



Preparations

Androgens

1. Testosterone (free): 25 mg i.m. daily to twice weekly; **AQUAVIRON 25 mg in 1 ml inj.**
2. Testosterone propionate: 25–50 mg i.m. daily to twice weekly; **TESTOVIRON, PARENDREN, TESTANON 25, 50 mg/ml inj.**
3. **TESTOVIRON DEPOT 100**: testo. propionate 25 mg + testo. enanthate 100 mg in 1 ml amp; 1 ml i.m. weekly.
4. **TESTOVIRON DEPOT 250**: testo. propionate 250 mg + testo. enanthate 250 mg in 1 ml amp; 1 ml i.m. every 2–4 weeks.
5. **SUSTANON '100'**: testo. propionate 20 mg + testo. phenyl propionate 40 mg + testo. isocaproate 40 mg in 1 ml amp; 1 ml i.m. every 2–3 weeks.
6. **SUSTANON '250'**: testo. propionate 30 mg + testo. phenylpropionate 60 mg + testo. isocaproate 60 mg + testo. decanoate 100 mg in 1 ml amp; 1 ml i.m. every 3–4 weeks.
7. Testosterone undecanoate: **NUVIR, ANDRIOL**; **40 mg cap**, 1–3 cap daily for male hypogonadism, osteoporosis.
8. Mesterolone: 25 mg OD–TDS oral; **PROVIRONUM, RESTORE, MESTILON 25 mg tab.**
9. Dihydrotestosterone: 100–250 mg cutaneous application daily; **ANDRACTIM 25 mg/g gel for application over nonscrotal skin once daily.**

Anabolic Steroids

10. Methandienone: 2–5 mg OD–BD oral; children 0.04 mg/kg/day, 25 mg i.m. weekly; **ANABOLEX 2, 5 mg tab, 2 mg/ml drops, 25 mg/ml inj.**
11. Nandrolone phenyl propionate: 10–50 mg; children 10 mg; i.m. once or twice weekly; **DURABOLIN 10, 25 mg/ml inj.**

12. Nandrolone decanoate: 25–100 mg i.m. every 3 weeks, **DECADURABOLIN 25, 100 mg/ml inj.**
13. Oxymetholone: 5–10 mg, children 0.1 mg/kg, OD; **ADROYD 5 mg tab.**
14. Stanozolol: 2–6 mg/day; **MENABOL, NEURABOL, TANZOL 2 mg tab.**

Impeded Androgen

15. Danazol: 200–600 mg/day; **DANAZOL, LADOGAL, DANOGEN, GONABLOK 50, 100, 200 mg cap.**

Antiandrogens

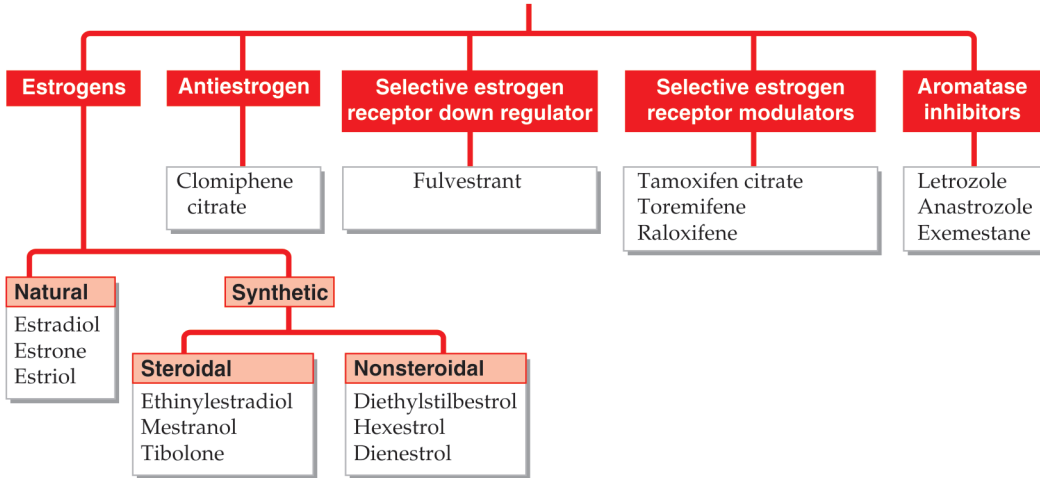
16. Cyproterone acetate: 2 mg OD; **GINETTE-35, DINAC-35** (cyproterone acetate 2 mg + ethinylestradiol 35 µg) tab.
17. Flutamide: 250 mg TDS; **PROSTAMID, FLUTIDE, CYTOMID 250 mg tab.**
18. Bicalutamide: 50 mg OD; **BIPROSTA, CALUTIDE, TABI 50 mg tab.**

5 α -Reductase Inhibitor

19. Finasteride: For benign hypertrophy of prostate (BHP) 5 mg OD, review after 6 months; for male pattern baldness 1 mg/day. **FINCAR, FINARA, FINAST 5 mg tab, FINPECIA, ASTIFINE 1 mg tab.**
20. Dutasteride: For BHP 0.5 mg/day. **DUPROST, DURIZE 0.5 mg tab.**

Drugs for Erectile Dysfunction

1. Sildenafil: 50 mg (max. 100 mg) 1 hour before intercourse; elderly 25 mg; **PENEGRA, CAVERTA, EDEGRA 25, 50, 100 mg tabs.**
2. Tadalafil: 10 mg (max. 20 mg) at least ½ hr before intercourse. **MEGALIS, TADARICH, TADALIS 10, 20 mg tab, MANFORCE 10 mg tab.**

ESTROGENS AND RELATED DRUGS

Preparations

Estrogens

1. **Estradiol benzoate/cypionate/enanthate/valerate:** 2.5–10 mg i.m.;
OVOCYCLIN-P 5 mg inj, PROGYNON DEPOT 10 mg/ml inj.
2. **Conjugated estrogens:** 0.625–1.25 mg/day oral for hormone replacement therapy;
PREMARIN 0.625 mg, 1.25 mg tab, 25 mg inj (for dysfunctional uterine bleeding).
3. **Ethinylestradiol:** for menopausal syndrome 0.02–0.2 mg/day oral;
LYNORAL 0.01, 0.05, 1.0 mg tab, PROGYNON-C 0.02 mg tab.
4. **Mestranol:** 0.1–0.2 mg/day oral; in OVULEN 0.1 mg tab, with ethynodiol diacetate 1 mg.
5. **Estriol succinate:** 4–8 mg/day initially, maintenance dose in menopause 1–2 mg/day oral;
EVALON 1, 2 mg tab, 1 mg/g cream for vaginal application in atrophic vaginitis 1–3 times daily.
6. **Fosfestrol tetrasodium:** initially 600–1200 mg slow i.v. inj for 5 days, maintenance dose 120–240 mg/day oral or 300 mg 1–3 times a week i.v.; HONVAN 120 mg tab, 60 mg/ml inj 5 ml amp.
7. **Dienestrol:** 0.01% topical; DIENESTROL 0.01% vaginal cream.
8. **Estradiol transdermal:** ESTRADERM-MX: Estradiol 25, 50 or 100 µg per 24 hr transdermal patches; apply to nonhairy skin below waist, replace every 3–4 days using a different site; add an oral progestin for last 10–12 days every month.
9. **Estradiol dermal gel:** 1–2.5 mg/day; OESTRAGEL, E₂GEL 3 mg/5 g gel in 80 g tube, SANDRENA 1 mg/g gel; apply 1.5–4 g gel over arms & shoulder daily.
10. **Tibolone:** 2.5 mg/day without interruption in postmenopausal women; LIVIAL, TIBOFEM 2.5 mg tab.

Antiestrogen

Clomiphene citrate: for infertility in women—50 mg/day for 5 days starting from 5th day of cycle, increase to 100 mg/day after 2–3 unsuccessful cycles (max. 200 mg/day); for oligozoospermia in men—25 mg daily for 24 days in a month upto 6 months; **CLOMID, FERTOMID, CLOFERT, CLOME 25, 50, 100 mg tabs.**

Selective Estrogen Receptor Down Regulator/Pure Estrogen Antagonist

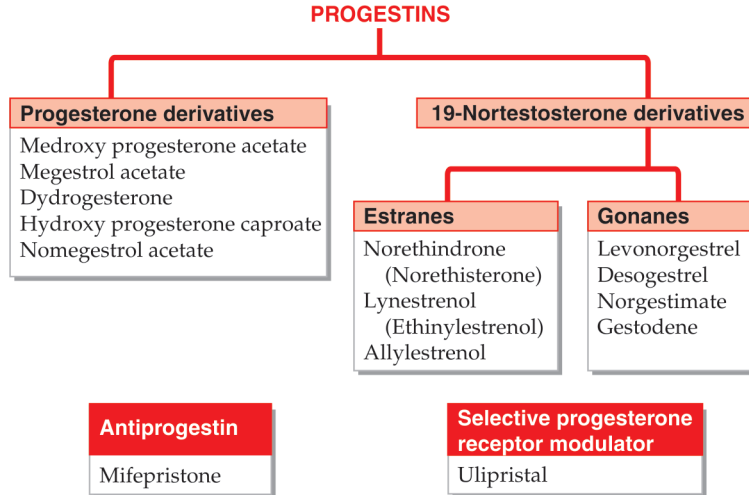
Fulvestrant: 250 mg i.m. (in gluteal region) monthly.

Selective Estrogen Receptor Modulators (SERMs)

1. **Tamoxifen citrate:** 20 mg/day in 1–2 doses (max. 40 mg/day).
TAMOXIFEN, MAMOFEN, TAMODEX 10, 20 mg tabs.
2. **Toremifene:** 60 mg OD.
3. **Raloxifene:** 60 mg/day; **OSRAL, BONMAX, RALOTAB, ESSERM 60 mg tab.**

Aromatase Inhibitors

1. **Letrozole:** 2.5 mg/day oral; **FEMARA, ONCOLET, LETOVAL, LETROZ 2.5 mg tab.**
2. **Anastrozole:** 1 mg/day oral; **ARMOTRAZ, ALTRAZ, ANABREZ 1 mg tab.**
3. **Exemestane:** 25 mg/day oral.



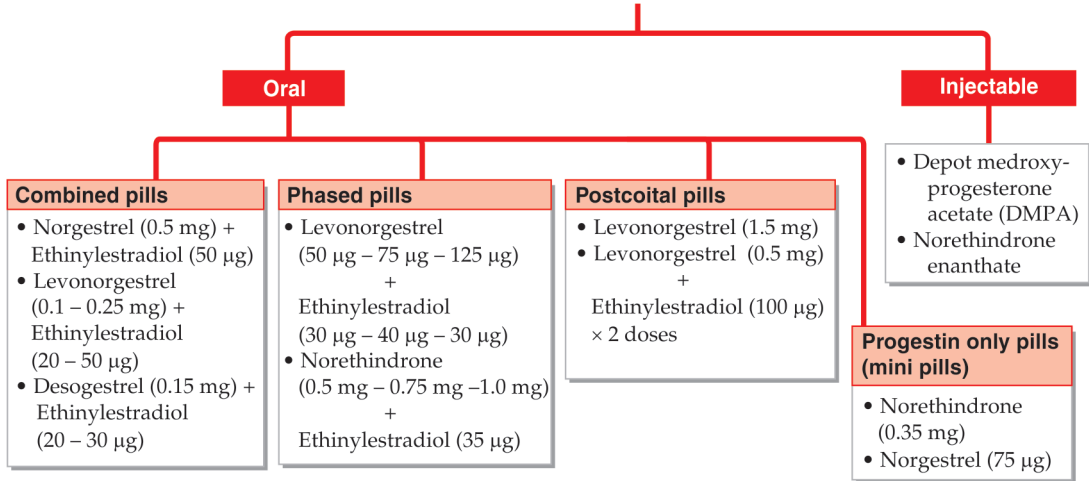
Preparations

1. **Progesterone**: 10–100 mg i.m. (as oily solution) OD; **PROGEST, PROLUTON, GESTONE** 50 mg/ml inj., 1 and 2 ml amp; 100–400 mg OD oral: **NATUROGEST, OGEST, DUBAGEST** 100, 200, 400 mg caps containing micro-**ri**z**ed** oily suspension.
2. **Hydroxyprogesterone caproate**: 250–500 mg i.m. at 2–14 days intervals; **PROLUTON DEPOT, MAINTANE INJ, PROCAPRIN** 250 mg/ml in 1 and 2 ml amp.
3. **Medroxyprogesterone acetate**: 5–20 mg OD–BD oral, 50–150 mg i.m. at 1–3 month interval; **FARLUTAL** 2.5, 5, 10 mg tab., **PROVERA, MEPRATE, MODUS** 10 mg tab, **DEPOT-PROVERA** 150 mg in 1 ml inj. (as contraceptive).
4. **Dydrogesterone**: 5–10 mg OD/TDS oral; **DUPHASTON** 5 mg tab.
5. **Norethindrone (Norethisterone)**: 5–10 mg OD–BD oral; **PRIMOLUT-N, STYPTIN, REGESTRONE, NORGEST** 5 mg tab; **REGESTRONE HRT, NORETA HRT** 1 mg tab (for HRT); **NORISTERAT** 200 mg/ml inj (as enanthate) for contraception 1 ml i.m every 2 months.
6. **Lynestrenol (Ethinylestrenol)**: 5–10 mg OD oral; **ORGAMETRIL** 5 mg tab.
7. **Allylestrenol**: 10–40 mg/day; **GESTANIN, FETUGARD, MAINTANE** 5 mg tab, **PROFAR** 25 mg tab.
8. **Levonorgestrel**: 0.1–0.5 mg/day; **DUOLUTON-L, OVRAL** 0.25 mg + ethinylestradiol 0.05 mg tab.
9. **Desogestrel**: 150 µg + ethinylestradiol 30 µg (**NOVELON**) tab, 1 tab OD, 3 weeks on and 1 week off cyclic therapy.

Antiprogesterin

Mifepristone: 200–600 mg single oral dose; **MIFEGEST, MIFEPRIN** 200 mg tab.

HORMONAL CONTRACEPTIVES



Combined Pills

1. Norgestrel 0.5 mg + Ethinylestradiol 50 μ g; **OVRAL-G**, 20 tabs.
2. Levonorgestrel 0.25 mg + Ethinylestradiol 50 μ g; **OVRAL**, **DUOLUTON-L**, 21 tabs.
3. Levonorgestrel 0.15 mg + Ethinylestradiol 30 μ g; **OVRAL-L**, **OVIPAUZ**, 21 tabs.
4. Levonorgestrel 0.1 mg + Ethinylestradiol 20 μ g; **LOETTE**, **OVILOW**, **COMBEE** 21 tabs.
5. Desogestrel 0.15 mg + Ethinylestradiol 30 μ g; **NOVELON**.
6. Desogestrel 0.15 mg + Ethinylestradiol 20 μ g; **FEMILON**.

Phased Pills

1. Levonorgestrel 50–75–125 μ g + Ethinylestradiol 30–40–30 μ g; **TRIQUILAR** (6 + 5 + 10 tablets)
2. Norethindrone 0.5–0.75–1.0 mg + Ethinylestradiol 35–35–35 μ g; **ORTHONOVUM 7/7/7** tabs.

Postcoital Pills

1. Levonorgestrel 0.25 mg + Ethinylestradiol 50 μ g; **OVRAL**, **DUOLUTON-L** (2 + 2 tabs)
2. Levonorgestrel 0.75 mg; **NORLEVO**, **ECEE2** (1 + 1 tab)
3. Levonorgestrel 1.5 mg **iPILL**, **NOFEAR-72** (1 tab).
4. Mifepristone 600 mg; **MIFEGEST**, **MIFEPRIN** 200 mg (3 tabs)
5. **Ulipristal** (selective progesterone receptor modulator) 30 mg single dose as soon as possible, before 120 hours of intercourse.

Mini Pills

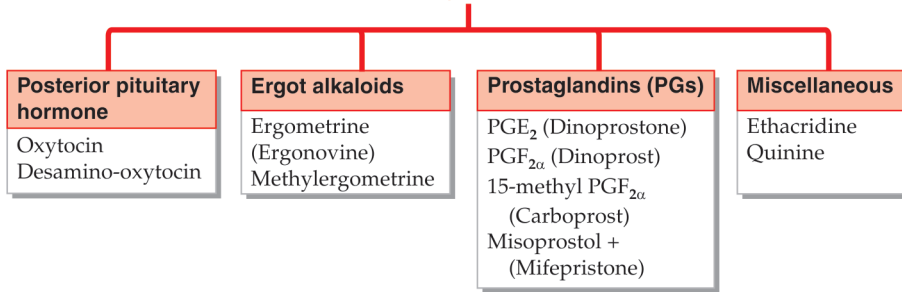
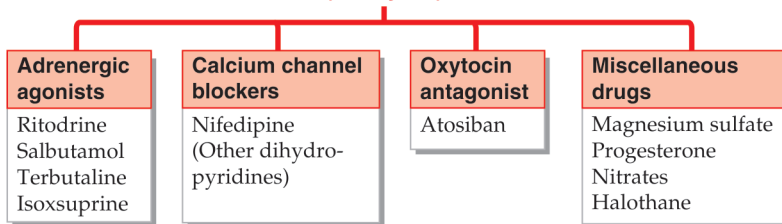
1. Norethindrone 0.35 mg
2. Norgestrel 75 μ g

Anti implantation SERM

Centchroman (Ormeloxifene): 30 mg twice weekly for 12 weeks and then 30 mg weekly; **CENTRON, SAHELI** 30 mg tab.

Injectable Contraceptives

1. Depot medroxyprogesterone acetate (DMPA): 150 mg i.m. at 3 month intervals.
DEPOT-PROVERA 150 mg in 1 ml vial for deep i.m. injection during first 5 days of menstrual cycle. Repeat every 3 months.
2. Norethindrone (Norethisterone) enanthate (NEE): 200 mg i.m. at 2 month intervals.
NORISTERAT 200 mg in 1 ml vial for deep i.m. injection during first 5 days of menstrual cycle. Repeat every 2 months.

**UTERINE STIMULANTS
(Oxytocics)****UTERINE RELAXANTS
(Tocolytics)**

Preparations

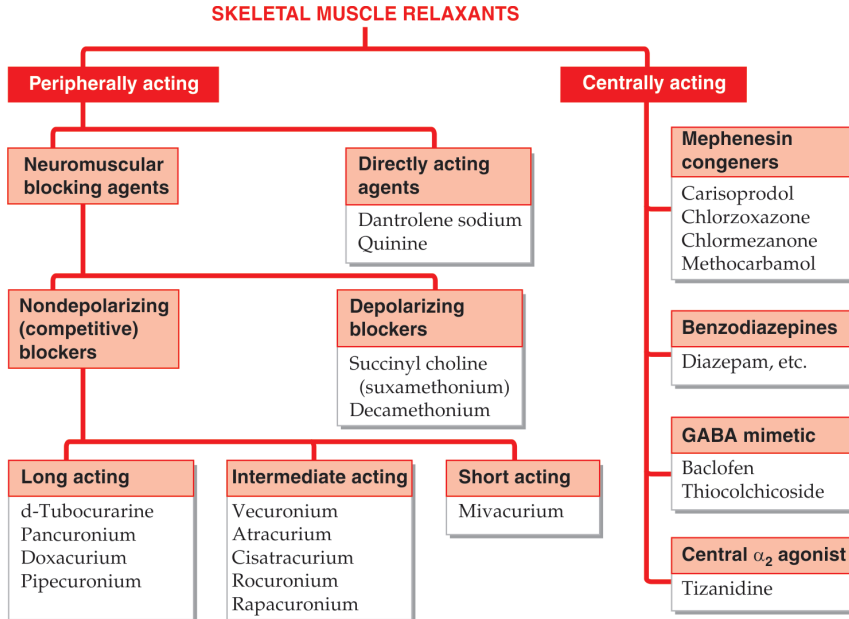
Uterine Stimulants

1. **Oxytocin:** for induction/augmentation of labour 2–10 milli IU/min i.v. infusion (total 2–4 IU); for postpartum haemorrhage 5 IU i.m. or i.v. infusion;
OXYTOCIN, SYNTOCINON 2 IU/2 ml and 5 IU/ml inj., PITOCIN 5 IU/0.5 ml inj.
2. **Desamino-oxytocin:** for induction 50 IU buccal every 30 min, for uterine inertia 25 IU buccal every 30 min; for breast engorgement 25–50 IU just before breast feeding; **BUCTOCIN 50 IU buccal tab.**
3. **Ergometrine:** 0.2–0.5 mg i.m./i.v., 0.25–0.5 mg TDS oral; **ERGOMETRINE 0.25, 0.5 mg tab, 0.5 mg/ml inj.**
4. **Methylergometrine:** 0.2–0.5 mg i.m./i.v., 0.125–0.25 mg TDS oral;
METHERGIN, METHERONE, ERGOMET 0.125 mg tab, 0.2 mg/ml inj.
5. **Ethacridine:** 150 mg extra-amniotic infusion; **EMCREDIL, VECREDIL 50 mg/50 ml inj.**

Note: For preparations of prostaglandins and uterine relaxants, see Index

5

Drugs Acting on Peripheral (somatic) Nervous System

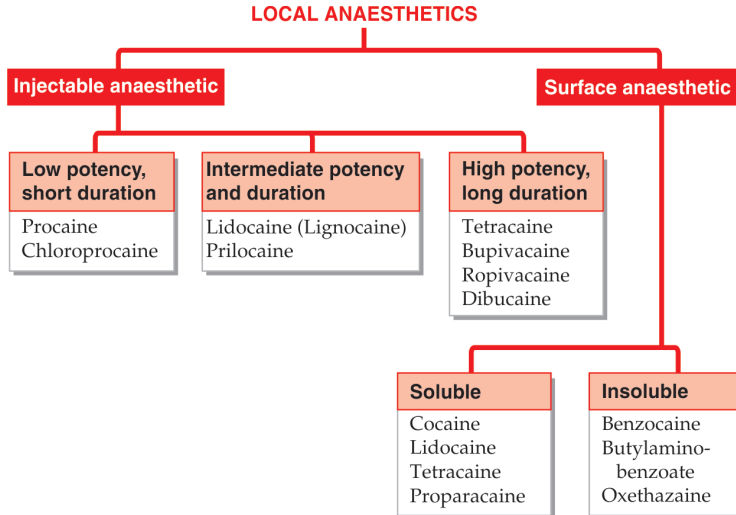


Preparations

(Note: Doses of neuromuscular blocking agents given below are initial paralysing doses for nitrous oxide-oxygen/opioid anaesthesia. These doses are to be reduced to 1/3–1/2 in patients anaesthetised with ether/halothane/isoflurane etc.)

1. **Pancuronium:** 0.04–0.1 mg/kg i.v.; **PAVULON, PANURON, NEOCURON** 2 mg/ml in 2 ml amp.
2. **Doxacurium:** 0.03–0.08 mg/kg i.v.
3. **Pipecuronium:** 0.05–0.08 mg/kg i.v.; **ARDUAN** 4 mg/2 ml inj.
4. **Vecuronium:** 0.08–0.1 mg/kg i.v.; **NORCURON, NEOVEC** 4 mg amp. and 10 mg vial; dissolve in 1–2.5 ml solvent supplied.
5. **Atracurium:** 0.3–0.6 mg/kg i.v.; **TACRIUM** 10 mg/ml in 2 ml vial.
6. **Cisatracurium:** 0.15–0.2 mg/kg i.v.
7. **Rocuronium:** 0.6–0.9 mg/kg i.v.; **CUROMID, ROCUNIUM** 50 mg/5 ml, 100 mg/10 ml vials.
8. **Mivacurium:** 0.07–0.15 mg/kg i.v.
9. **Succinylcholine (Suxamethonium):** 0.5–0.8 mg/kg i.v.; **MIDARINE, SCOLINE, MYORELEX, ENTUBATE** 50 mg/ml in 2 ml amp.
10. **Dantrolene:** 25–100 mg QID oral, 1 mg/kg i.v. repeated as required.
11. **Carisoprodol:** 350 mg TDS–QID oral; **CARISOMA** 350 mg tab; **SOMAFLAM** 175 mg + ibuprofen 400 mg tab.
12. **Chlorzoxazone:** 500 mg BD–TDS; **ULTRAZOX** 250 mg + diclofenac 50 mg + paracetamol 325 mg tab; **MOBIZOX** 500 mg + diclofenac 50 mg + paracetamol 500 mg tab; **PARAFON** 250 mg + paracetamol 300 mg tab; **FLEXON-MR** 250 mg + ibuprofen 400 mg + paracetamol 325 mg tab.
13. **Chlormezanone:** 100–200 mg TDS–QID; **DOLOBAK** 100 mg + paracetamol 450 mg tab.
14. **Methocarbamol:** 400–800 mg TDS oral, 100–200 mg i.m./i.v.; **ROBINAX** 0.5 g tab, 1 TDS: 100 mg/ml inj. for i.v. or i.m. use. **ROBIFLAM** 750 mg + ibuprofen 200 mg tab; **NEUROMOL-MR** 400 mg + paracetamol 500 mg tab.

15. **Baclofen**: 10 mg BD–25 mg TDS oral; **LIORESAL**, **LIOFEN** 10, 25 mg tabs.
16. **Thiocolchicoside**: 4 mg TDS-QID; **NUCOXIA-MR**: thiocolchicoside 4 mg + etoricoxib 60 mg tabs.
17. **Tizanidine**: 2 mg TDS; max 24 mg/day; **SIRDALUD** 2, 4, 6 mg tab; **TIZAN** 2, 4 mg tab; **BRUFEN-MR**, **TIZAFEN** 2 mg + ibuprofen 400 mg tab; **TIZANAC** 2 mg + diclofenac 50 mg tab, **PROXYVON-MR** 2 mg + nimesulide 100 mg cap.

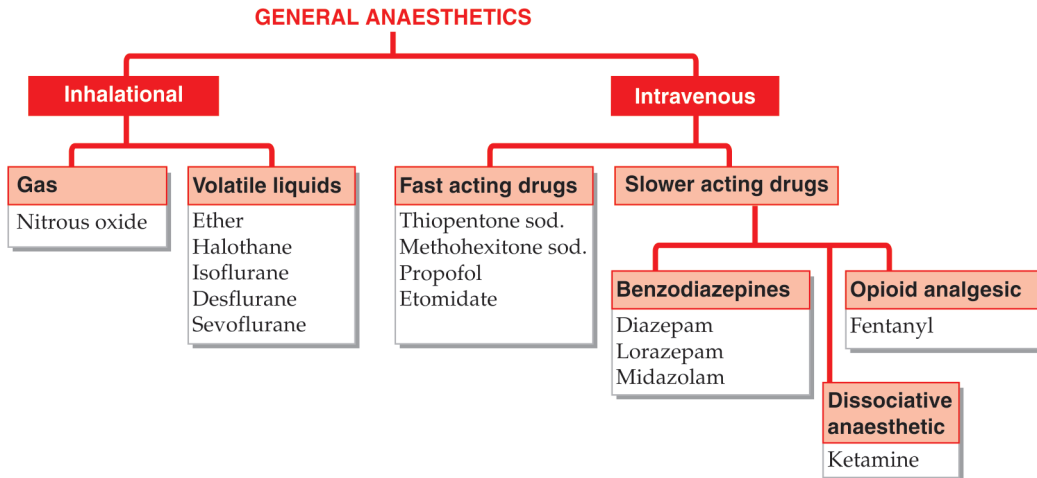


Preparations

1. **Lidocaine (lignocaine):** 0.5–2% for nerve block, 1–5% topically; **XYLOCAINE**, **GESICAIN** 4% topical solution, 2% jelly, 2% viscous, 5% ointment, 1% and 2% injection (with or without adrenaline), 5% heavy (for spinal anaesthesia); 100 mg/ml spray (10 mg per puff)
2. **Bupivacaine:** 0.25–0.5% for nerve block, 0.5–0.75% for spinal anaesthesia; **MARCAIN** 0.5%, 1% (hyperbaric for spinal anaesthesia). **SENSORCAINE** 0.25%, 0.5% inj, 0.5% heavy inj.
3. **Tetracaine (Amethocaine):** 0.25% for nerve block, 0.25–0.5% for spinal anaesthesia, 1% topically; **ANETHANE** powder for preparing solution, 1% oint.
4. **Eutectic Lidocaine-prilocaine:** 5% for cutaneous anaesthesia; **PRILOX** 5% cream
5. **Dibucaine:** 0.25–0.5% for nerve block and spinal anaesthesia, 1% for surface anaesthesia; **NUPERCAINE** 0.5% inj, **NUPERCAINAL** 1% oint, in **OTOGESIC** 1% ear drops.
6. **Benzocaine:** 5–20% topically; in **PROCTOQUINOL** 5% oint., **ZOKEN** 20% gel.
7. **Butylaminobenzoate:** 1–5% topically; in **PROCTOSEDYL-M** 1% oint with framycetin and hydrocortisone for anal application.
8. **Benoxinate:** 0.4% for corneal anaesthesia; **BENDZON** 0.4% eye drops.
9. **Oxethazaine:** 0.2% for gastric mucosal anaesthesia;
MUCAINE 0.2% in alumina gel + magnesium hydroxide suspension; 5–10 ml orally.
TRICAINE-MPS: Oxethazaine 10 mg with methyl polysiloxane 125 mg, alum. hydroxide gel 300 mg, mag. hydroxide 150 mg per 5 ml gel.

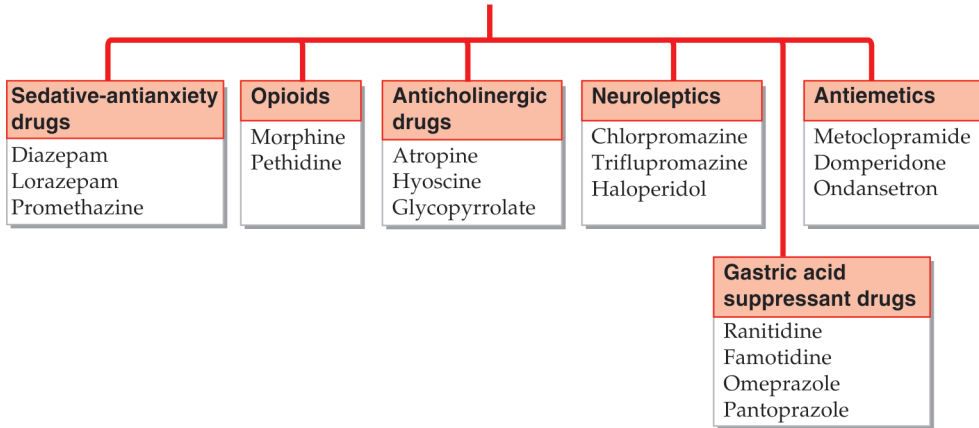
6

Drugs Acting on Central Nervous System



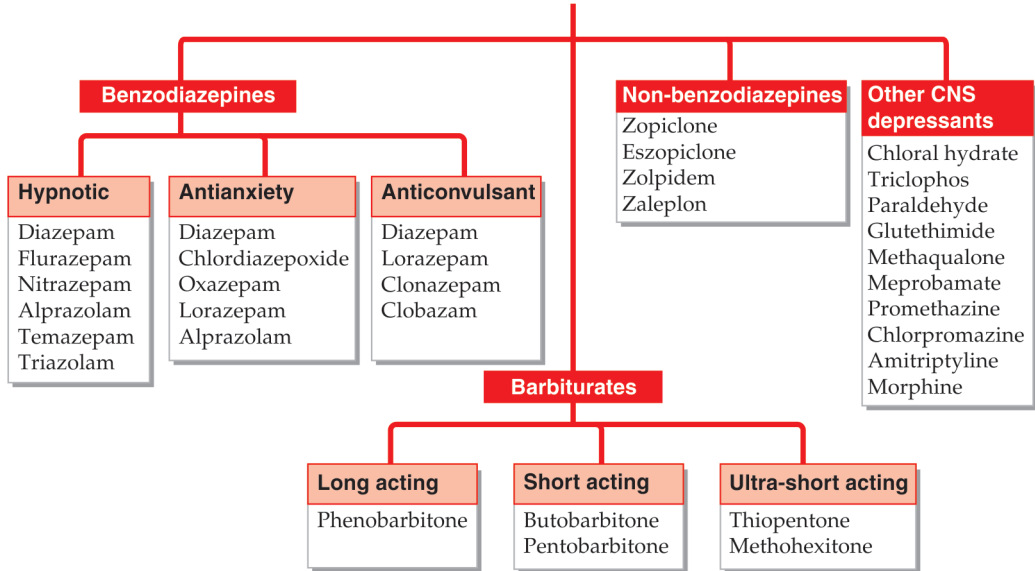
Preparations

1. Thiopentone sod.: 3–5 mg/kg i.v. for induction;
PENTOTHAL, INTRAVAL SODIUM 0.5, 1.0 g for preparing injectable solution freshly.
2. Propofol: 2 mg/kg bolus i.v. injection for induction, 9 mg/kg/hr for maintenance;
PROPOVAN 10 mg/ml and 20 mg/ml in 10, 20 ml vials.
3. Diazepam: 0.25–0.5 mg/kg by slow injection in a running i.v. drip; VALIUM, CALMPOSE 10 mg/2 ml inj.
4. Lorazepam: 0.04 mg/kg (2–4 mg total for adult) i.v.; CALMESE 4 mg/2 ml inj.
5. Midazolam: 1–2.5 mg i.v. bolus injection, 0.02–0.1 mg/kg/hour i.v. infusion for maintenance;
MEZOLAM, FULSED, SHORTAL 1 mg/ml and 5 mg/ml inj.
6. Ketamine: 1–3 mg/kg i.v., 5 mg/kg i.m.; KETMIN, KETAMAX, ANEKET 50 mg/ml in 2 ml amp, 10 ml vial.
7. Fentanyl: 2–4 µg/kg i.v.; TROFENTYL, FENT, FENDOP 50 µg/ml in 2 ml amp, 10 ml vial.

PREANAESTHETIC MEDICATION DRUGS**Preanaesthetic Medication Drugs**

Note: See Index for preparations

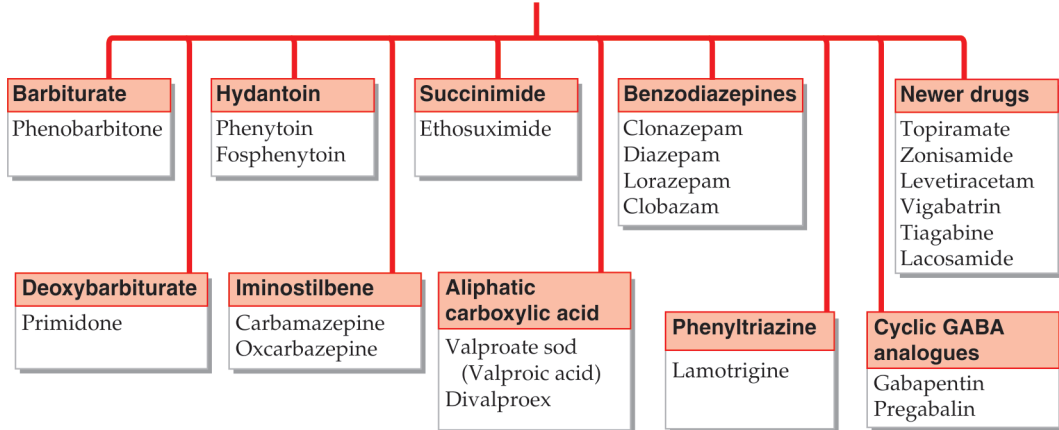
SEDATIVE-HYPNOTIC DRUGS



Preparations

1. **Phenobarbitone:** 30–60 mg OD–TDS (as antiepileptic) 100–200 mg i.m./i.v.;
GARDENAL 30, 60 mg tab; LUMINAL 30 mg tab; PHENOBARBITONE SOD 200 mg/ml inj.
2. **Diazepam:** 2.5–10 mg (as hypnotic), 5–30 mg/day (as antianxiety);
VALIUM 2, 5, 10 mg tab., 10 mg/2 ml inj., CALMPOSE 5, 10 mg tab, 2 mg/5 ml syr, 10 mg/2 ml inj.
3. **Flurazepam:** 15–30 mg (as hypnotic); NINDRAL, FLURAZ 15 mg cap.
4. **Nitrazepam:** 5–10 mg (as hypnotic); SEDAMON, HYPNOTEX, NITRAVET 5, 10 mg tab/cap.
5. **Alprazolam:** 0.25–1.0 mg (hypnotic dose), 0.25–1.0 mg TDS for anxiety; ALPRAX 0.25, 0.5, 1.0 mg tabs., 0.5, 1.0, 1.5 mg SR tabs; ALZOLAM 0.25, 0.5, 1.0 mg tabs; 1.5 mg SR tab, RESTYL 0.25, 0.5, 1.0 mg tab, RESTYL-SR 0.5, 1.0, 1.5 mg SR tab, ALPROCONTIN 0.5, 1.0, 1.5 mg CR tabs.
6. **Temazepam:** 10–20 mg (as hypnotic).
7. **Triazolam:** 0.125–0.25 mg (as hypnotic).
8. **Zopiclone:** 7.5 mg (hypnotic dose), elderly 3.75 mg; ZOPICON, ZOLIUM, ZOPITRAN 7.5 mg tab.
9. **Zolpidem:** 5–10 mg (max 20 mg) as hypnotic; elderly and liver disease patients 2.5–10 mg;
NITREST, ZOLDEM, DEM 5, 10 mg tabs.
10. **Zaleplon:** 5–10 mg (max 20 mg) hypnotic dose; ZAPLON, ZASO, ZALEP 5, 10 mg tabs.

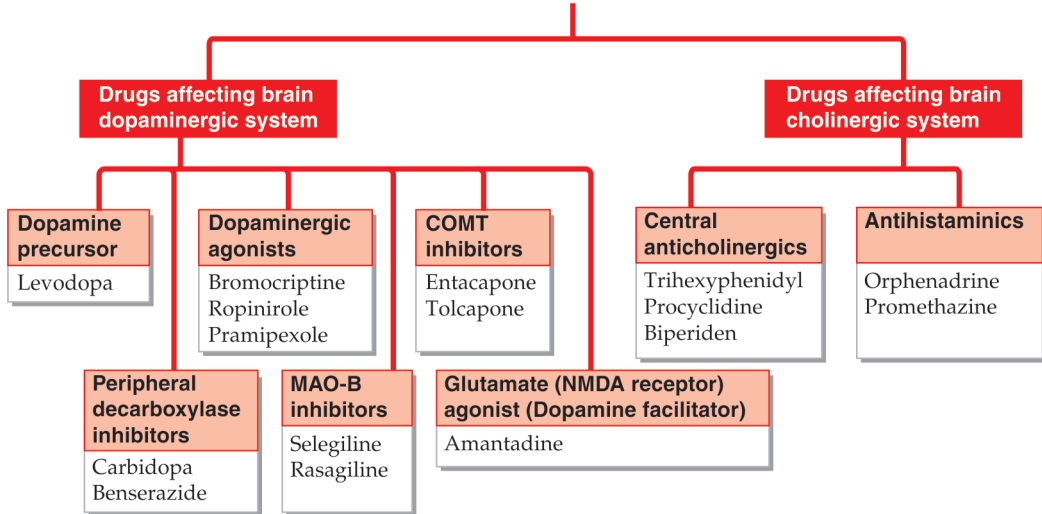
Note: See Index for preparations of other drugs.

ANTIEPILEPTIC DRUGS

Preparations

- 1. Phenobarbitone:** 60 mg OD–TDS (child 3–6 mg/kg/day), 100–200 mg i.m./i.v.;
GARDENAL 30, 60 mg tab; LUMINAL 30 mg tab; PHENOBARBITONE SOD 200 mg/ml inj.
- 2. Primidone:** 250–500 mg BD (child 10–20 mg/kg/day); MYSOLINE 250 mg tab.
- 3. Phenytoin:** 100–200 mg BD (child 5–8 mg/kg/day) oral, 25 mg/min slow i.v. injection (max 1.0 g);
DILANTIN 25 mg, 100 mg cap., 100 mg/4 ml oral suspension, 100 mg/2 ml inj.; EPTOIN 50, 100 mg tab, 25 mg/ml syr; FENTOIN-ER 100 mg extended release cap.
- 4. Fosphenytoin:** 25–100 mg (as phenytoin sod. equivalent)/min i.v. injection (max 1.0 g) for generalized convulsive status epilepticus; FOSOLIN 50 mg/ml inj in 2 ml and 10 ml amp.
- 5. Carbamazepine:** 200–400 mg TDS, children 15–30 mg/kg/day;
TEGRETOL, MAZETOL 100, 200, 400 mg tab, 100 mg/5 ml syr; CARBATOL 100, 200, 400 mg tab; MAZETOL-SR, TEGRITAL-CR 200, 400 mg sustained release tabs.
- 6. Oxcarbazepine:** 300–600 mg BD; OXCARB, OXEP, OXETOL 150, 300, 600 mg tabs.
- 7. Ethosuximide:** 20–30 mg/kg/day; ZARONTIN 250 mg/5 ml syr.
- 8. Valproic acid (Sodium valproate):** Adults—start with 200 mg TDS, maximum 800 mg TDS; children—15–30 mg/kg/day; VALPARIN CHRONO 200, 300, 500 mg tabs, 200 mg/5 ml syr, ENCORATE 200, 300, 500 mg regular tabs and controlled release tabs, 200 mg/5 ml syr, 100 mg/ml inj.
- 9. Divalproex:** Epilepsy—initially 15 mg/kg/day, increase gradually as required (max 60 mg/kg/day);
Bipolar disorder—250–500 mg TDS;
Migraine 250–500 mg BD; DIPROEX, VALANCE, DEPAKOTE 125, 250, 500 mg tabs.
- 10. Clonazepam:** Adults 0.5–5 mg TDS, children 0.02–0.2 mg/kg/day; status epilepticus 1–2 mg slow i.v. inj;
LONAZEP, CLONAPAX, RIVOTRIL 0.5, 1.0, 2.0 mg tab.

11. **Diazepam:** for status epilepticus—10 mg (0.2–0.3 mg/kg) slow i.v. injection (2 mg/min), repeat fractional doses as required (max 100 mg/day); for febrile convulsions 0.5 mg/kg rectal instillation, repeat 12 hourly for 48 hours;
VALIUM, CALMPOSE, PLACIDOX 10 mg/2 ml inj.
12. **Lorazepam:** for status epilepticus—4 mg (0.1 mg/kg in children) slow i.v. injection (2 mg/min);
CALMESE 4 mg/2 ml inj.
13. **Clobazam:** start with 10–20 mg at bed time, can be increased upto 60 mg/day;
FRISIUM, LOBAZAM, CLOZAM 5, 10, 20 mg cap.
14. **Lamotrigine:** 50 mg/day initially, increase upto 300 mg/day as needed.
LAMITOR, LAMETEC, LAMIDUS 25, 50, 100 mg tabs.
15. **Gabapentin:** start with 300 mg OD, increase to 300–600 mg TDS as required;
NEURONTIN, GABANTIN 300 mg, 400 mg cap, GABAPIN 100, 300, 400 mg cap.
16. **Pregabalin:** 75–150 mg BD, max. 600/day (used primarily for neuropathic pain).
PREEGA, NEUGABA, TRUGABA 75, 150 mg caps.
17. **Vigabatrin:** 2–4 g/day, child 40–100 mg/kg/day.
18. **Topiramate:** Initially 25 mg OD, increase weekly upto 100–200 mg BD as required, child 5–10 mg/kg/day.
TOPEX, EPITOP, TOPAMATE, NEXTOP 25, 50, 100 mg tabs.
19. **Zonisamide:** 25–100 mg BD (not for children); **ZONISEP, ZONICARE, ZONIT 50, 100 mg cap.**
20. **Levetiracetam:** 0.5 g BD, increase upto 1.0 g BD; children 4–15 years 10–30 mg/kg/day.
EPIFAST, TORLEVA, LEVROXA, LEVTAM 250, 500, 750 mg tabs.

ANTIPARKINSONIAN DRUGS

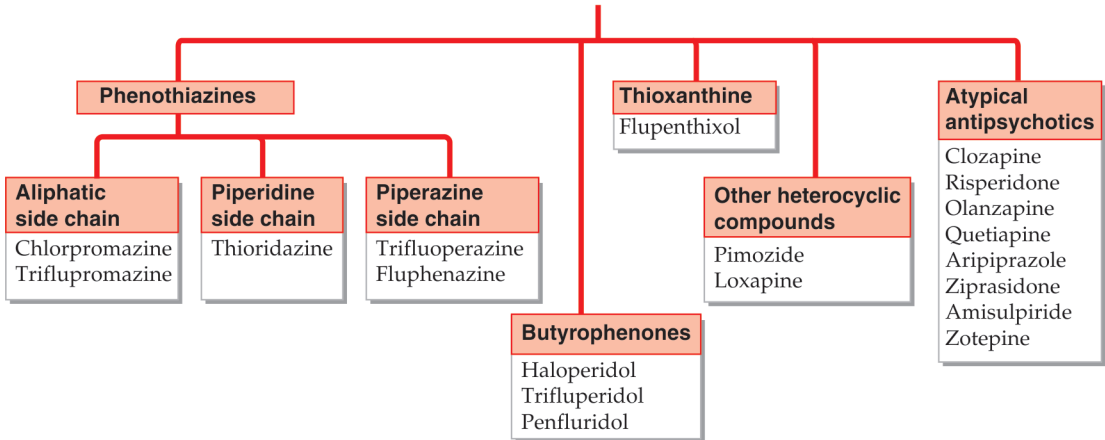
Preparations

- Levodopa:** Start with 0.25 g BD after meals, gradually increase till adequate response is obtained. Usual dose is 2–3 g/day. **LEVOPA, BIDOPAL 0.5 g tab.**
- Carbidopa/Benserazide + Levodopa combination:** Usual daily maintenance dose of levodopa is 0.4–0.8 g along with 75–100 mg carbidopa or 100–200 mg benserazide, given in 3–4 divided doses. Therapy is started at a low dose and suitable preparations are chosen according to the needs of individual patients, increasing the dose as required.

	<i>Carbidopa</i>	<i>Levodopa</i>
	<i>(per tab/cap)</i>	
TIDOMET-LS, SYNDOPA-110,	10 mg	+ 100 mg
SINEMET, DUODOPA-110	10 mg	+ 100 mg
TIDOMET PLUS, SYNDOPA PLUS	25 mg	+ 100 mg
TIDOMET FORTE, SYNDOPA-275	25 mg	+ 250 mg
BENSPAR, MADOPAR: Benserazide 25 mg + levodopa 100 mg cap.		

- Bromocriptine:** Start with 1.25 mg once at night, increase gradually as needed upto 5–10 mg TDS, as supplement to carbidopa-levodopa combination.
PROCTINAL, PARLODEL, SICRIPTIN 1.25 mg, 2.5 mg tabs, ENCRIP 2.5, 5 mg tabs.
- Ropinirole:** Starting dose is 0.25 mg TDS, titrated to a maximum of 4–8 mg TDS. Early cases generally require 1–2 mg TDS.
ROPITOR, ROPARK, ROPEWAY 0.25, 0.5, 1.0, 2.0 mg tabs; also 1, 2, 4 and 8 mg ER tabs.

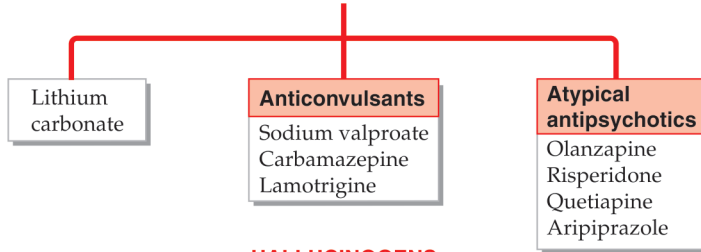
5. **Pramipexole:** Starting dose 0.125 mg TDS, titrate to 0.5–1.5 mg TDS;
PRAMIPEX 0.5 mg tab., PARPEX 0.5, 1.0, 1.5 mg tabs, PRAMIROL 0.125, 0.25, 0.5, 1.0, 1.5 mg tabs.
6. **Selegiline:** 5 mg with breakfast and with lunch, either alone (in early cases) or with levodopa. Reduce by 1/4th levodopa dose after 2–3 days of adding selegiline. ELDEPRYL 5, 10 mg tab, SELERIN, SELGIN 5 mg tab.
7. **Rasagiline:** 1 mg OD in the morning;
RELGIN, RASALECT 0.5, 1.0 mg tabs; RASIPAR 1.0 mg tab.
8. **Entacapone:** 200 mg with each dose of levodopa-carbidopa (max 1600 mg/day);
ADCAPON 100 mg tab, COMTAN 200 mg tab.
9. **Amantidine:** 100 mg BD.
AMANTREL, COMANTREL 200 mg tab.
10. **Trihexyphenidyl (benzhexol):** 2–10 mg/day.
PACITANE, PARBENZ 2 mg tab.
11. **Procyclidine:** 5–20 mg/day; KEMADRIN 2.5, 5 mg tab.
12. **Biperiden:** 2–10 mg/day oral, i.m. or i.v.: DYSKINON 2 mg tab., 5 mg/ml inj.
13. **Orphenadrine:** 100–300 mg/day; DISIPAL, ORPHIPAL 50 mg tab.
14. **Promethazine:** 25–75 mg/day; PHENERGAN 10, 25 mg tab.

ANTIPSYCHOTIC DRUGS
(Neuroleptic drugs)

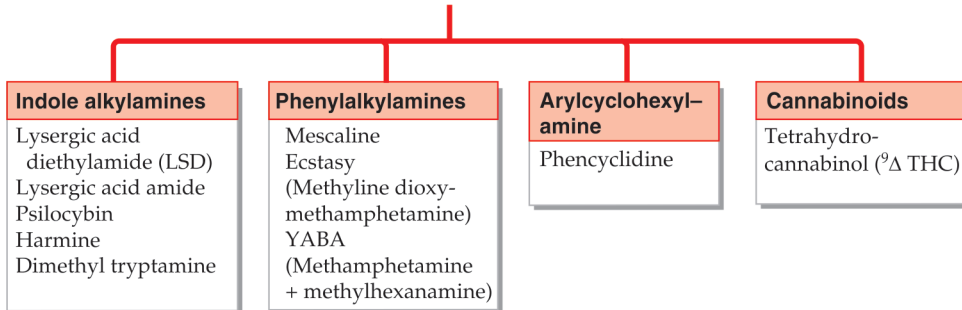
Preparations

1. **Chlorpromazine:** 100–800 mg/day; **CHLORPROMAZINE, LARGACTIL** 10, 25, 50, 100 mg tab. 5 mg/5 ml (pediatric) & 25 mg/5 ml (adult) syr., 50 mg/2 ml inj.
2. **Triflupromazine:** 50–200 mg/day; **SIQUIL** 10 mg tab; 10 mg/ml inj.
3. **Thioridazine:** 100–400 mg/day; **MELLERIL** 25, 100 mg tab, **THIORIL** 10, 25, 50 mg tab.
4. **Trifluoperazine:** 2–20 mg/day; **TRINICALM** 1, 5 mg tab, **NEOCALM** 5, 10 mg tab.
5. **Fluphenazine:** 1–10 mg/day; **ANATENSOL** 1 mg tab, 0.5 mg/ml elixir; **ANATENSOL DECANOATE** 25 mg/ml (as decanoate) for i.m. injection, 1–2 ml every 2–4 weeks.
6. **Haloperidol:** 2–20 mg/day; **SERENACE** 1.5, 5, 10, 20 mg tab; 2 mg/ml liq, 5 mg/ml inj., **SENORM** 1.5, 5, 10 mg tab, 5 mg/ml inj., **HALOPIDOL** 2, 20 mg tab, 2 mg/ml liq, 10 mg/ml drops.
7. **Trifluoperidol:** 1–8 mg/day; **TRIPERIDOL** 0.5 mg tab, 2.5 mg/ml inj.
8. **Penfluridol:** 20–60 mg (max. 120 mg) once weekly; **SEMAP, FLUMAP, PENFLUR** 20 mg tab.
9. **Flupenthixol:** 3–15 mg/day; **FLUANXOL** 0.5, 1, 3 mg tab; **FLUANXOL DEPOT** 20 mg/ml in 1 and 2 ml amp.
10. **Pimozide:** 2–6 mg/day; **ORAP, NEURAP, PIMODAC** 2, 4 mg tab.
11. **Loxapine:** 20–50 mg/day; **LOXAPAC** 10, 25, 50 mg caps, 25 mg/ 5 ml liquid.
12. **Clozapine:** 100–300 mg/day; **LOZAPIN, SIZOPIN, SKIZORIL** 25, 100 mg tabs.
13. **Risperidone:** 2–8 mg/day; **RESPIDON, SIZODON, RISPERSDAL** 1, 2, 3, 4 mg tabs.
14. **Olanzapine:** 2.5–20 mg/day; **OLACE, OLANDUS** 2.5, 5, 7.5, 10 mg tabs, **OLZAP** 5, 10 mg tab.
15. **Quetiapine:** 50–400 mg/day; **QUEL, SOCALM, SEROQUIN** 25, 100, 200 mg tabs.
16. **Aripiprazole:** 10–30 mg/day; **ARIPRA, ARILAN, BILIEF** 10, 15 mg tabs, **ARIVE** 10, 15, 20, 30 mg tabs.

DRUGS FOR MANIA AND BIPOLAR DISORDER



HALLUCINOGENS (Psychotomimetics, Psychedelics, Psychodysleptics)

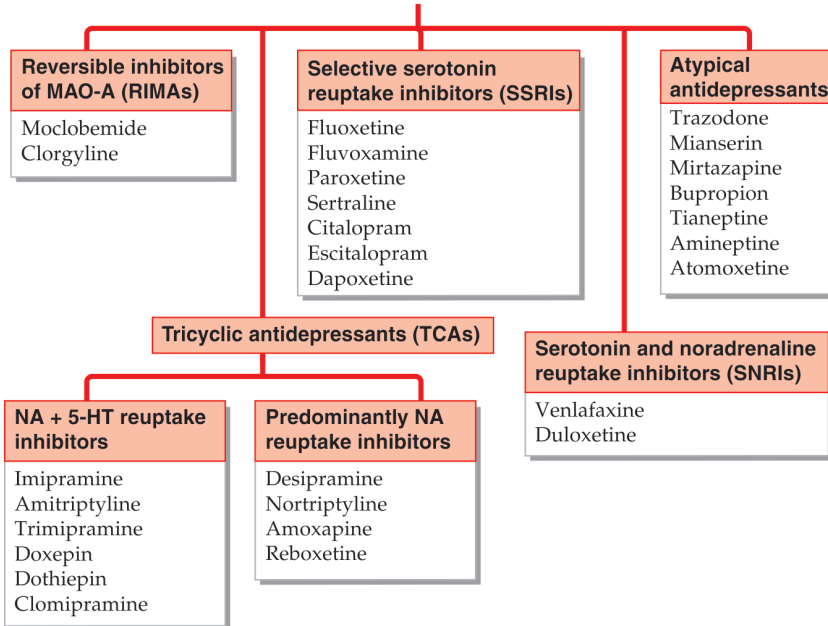


17. **Ziprasidone:** 80–160 mg/day; **AZONA, ZIPSYDON 20, 40, 80 mg tabs.**
18. **Amisulpiride:** 50–300 mg/day in 2 doses; **SULPITAC, AMIPRIDE, ZONAPRIDE 50, 100, 200 mg tabs.**
19. **Zotepine:** 25 mg TDS initially, increase upto 100 mg TDS; **ZOLEPTIL, NIPOLEPT 25, 50 mg tabs.**

Drugs for Mania and Bipolar Disorder

1. **Lithium carbonate:** Start at 600 mg/day, adjust dose to yield steady-state plasma level of 0.5–0.8 mEq/L (for bipolar disorder) or 0.8–1.1 mEq/L (for acute mania);
LICAB, LITHOSUN 300 mg tab, 400 mg SR tab.

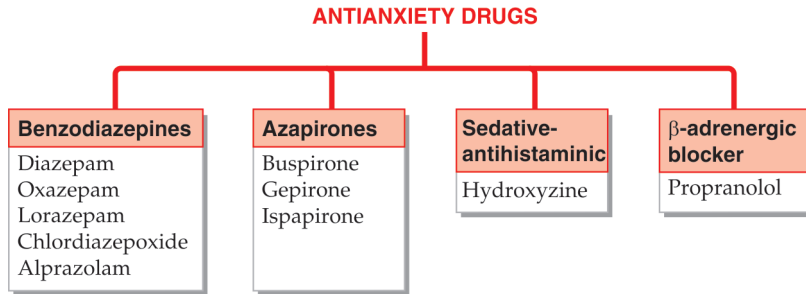
Note: See Index for preparations of other drugs.

ANTIDEPRESSANTS

Preparations

1. **Moclobemide:** 150 mg BD–TDS (max. 600 mg/day); **RIMAREX, TRIMA 150, 300 mg tabs.**
2. **Imipramine:** 50–200 mg/day; **DEPSONIL, ANTIDEP 25 mg tab, 75 mg SR cap.**
3. **Amitriptyline:** 50–200 mg/day; **AMLIN, SAROTENA, TRYPTOMER, 10, 25, 75 mg tabs.**
4. **Trimipramine:** 50–150 mg/day; **SURMONTIL 10, 25 mg tab.**
5. **Doxepin:** 50–150 mg/day; **SPECTRA, DOXIN, DOXETAR 10, 25, 75 mg tab/cap; NOCTADERM 5% cream (to relieve itching).**
6. **Clomipramine:** 50–150 mg/day; **CLOFRANIL 10, 25, 50 mg tab, 75 mg SR tab, CLONIL, ANAFRANIL 10, 25 mg tab;**
7. **Dothiepin (Dosulpin):** 50–150 mg/day; **PROTHIADEN, DOTHIN 25, 75 mg tab.**
8. **Nortriptyline:** 50–150 mg/day; **SENSIVAL, PRIMOX 25 mg tab.**
9. **Amoxapine:** 100–300 mg/day; **DEMOLOX 50, 100 mg tab.**
10. **Reboxetine:** 4–8 mg/day; **NAREBOX 4, 8 mg tabs.**
11. **Fluoxetine:** 20–40 mg/day; **FLUDAC 20 mg cap, 20 mg/5 ml susp; FLUNIL 10, 20 mg caps; FLUPAR, PRODAC 20 mg cap.**
12. **Fluvoxamine:** 50–200 mg/day; **FLUVOXIN 50, 100 mg tab.**
13. **Paroxetine:** 20–50 mg/day; **XET 10, 20, 30, 40 mg tabs.**
14. **Sertraline:** 50–150 mg/day; **SERENATA, SERLIN, SERTIL 50, 100 mg tabs.**
15. **Citalopram:** 20–40 mg/day; **CELICA 10, 20, 40 mg tabs.**
16. **Escitalopram:** 10–20 mg OD; **ESDEP, FELIZ-S 5, 10, 20 mg tabs.**
17. **Dapoxetine:** 60 mg 1 hour before intercourse, elderly 30 mg; **SUSTINEX, DURALAST, KUTUB 30, 60 mg tabs.**

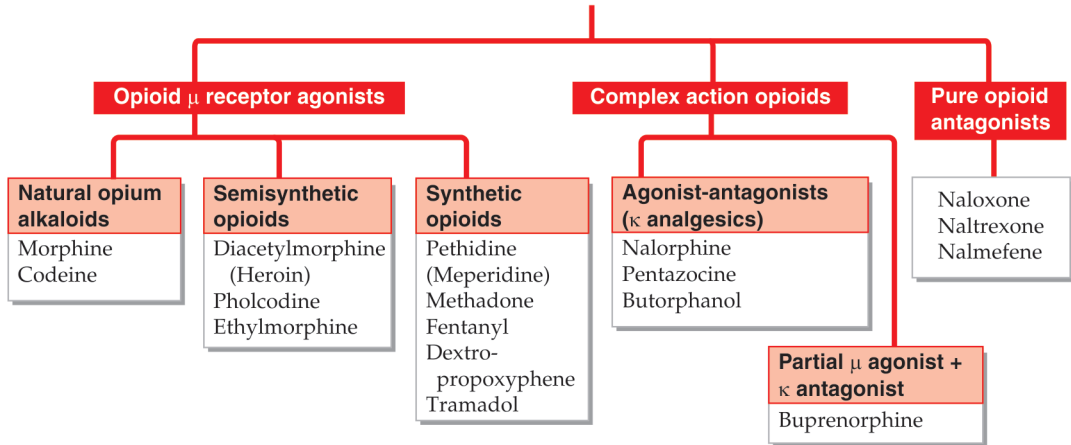
18. Trazodone: 50–200 mg/day; **TRAZODAC 25, 50 mg tab, TRAZONIL, TRAZALON 25, 50, 100 mg tabs.**
19. Mianserin: 30–100 mg/day; **TETRADEP 10, 20, 30 mg tab, SERIDAC 10, 30 mg tab.**
20. Bupropion: 150–300 mg/day; **SMOQUIT–SR, BUPRON–SR 150 mg tab.**
21. Mirtazapine: 15–45 mg/day; **MIRT 15, 30, 45 mg tabs, MIRTAZ 15, 30 mg tab.**
22. Venlafaxine: 75–150 mg/day; **VENLOR 25, 37.5, 75 mg tabs, VENIZ-XR 37.5, 75, 150 mg ER caps.**
23. Tianeptine: 12.5 mg BD–TDS; **STABLON 12.5 mg tab.**
24. Amineptine: 100 mg BD at breakfast and lunch; **SURVECTOR 100 mg tab.**
25. Duloxetine: 30–80 mg/day; **DELOK, DULANE, DUZAC 20, 30, 40 mg caps.**



Preparations

1. **Diazepam:** 5–30 mg/day in 2–3 divided doses;
VALIUM, PLACIDOX 2, 5, 10 mg tabs; CALMPOSE 5, 10 mg tab, 2 mg/5 ml syr.
2. **Chlordiazepoxide:** 20–100 mg/day in 2–3 divided doses, LIBRIUM 10, 25 mg tabs; EQUILIBRIUM 10 mg tab.
3. **Oxazepam:** 30–60 mg/day in 2–3 divided doses; SEREPAX 15, 30 mg tabs.
4. **Lorazepam:** 1–6 mg/day in 1–2 divided doses; LARPOSE, ATIVAN 1, 2 mg tab. CALMESE 1, 2 mg tabs, 4 mg/2 ml inj.
5. **Alprazolam:** 0.25–1.0 mg TDS; upto 6 mg/day in panic disorder; ALPRAX 0.25, 0.5, 1.0 mg tabs., 0.5, 1.0, 1.5 mg SR tabs; ALZOLAM 0.25, 0.5, 1.0 mg tabs; 1.5 mg SR tab, ALPROCONTIN 0.5, 1.0, 1.5 mg CR tabs. RESTYL-SR 0.5, 1.0, 1.5 mg SR tabs.
6. **Buspirone:** 5–15 mg 1–3 times daily; BUSCALM, ANXIPAR, BUSPIN 5, 10 mg tabs.
7. **Hydroxyzine:** 50–200 mg/day; ATARAX 10, 25 mg tabs, 10 mg/5 ml syr, 25 mg/2 ml inj.

OPIOID ANALGESICS AND ANTAGONISTS



Preparations

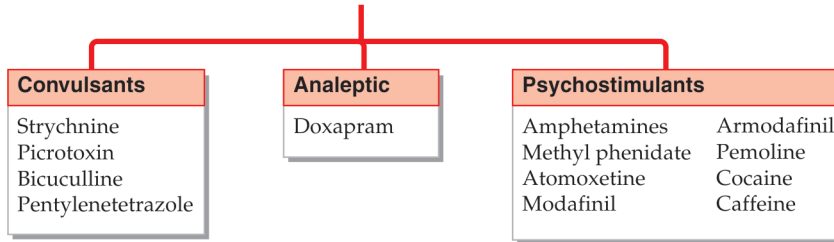
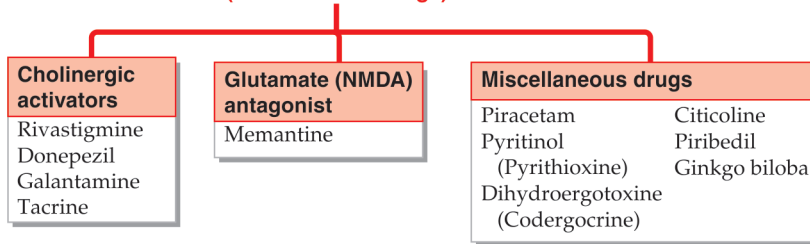
Opioid Analgesics

1. **Morphine:** 10–50 mg oral, 10–15 mg i.m. or s.c., 2–6 mg i.v.; 2–3 mg epidural/intrathecal; children 0.1–0.2 mg/kg i.m. or s.c. **MORPHINE SULPHATE** 10 mg/ml inj; **MORCONTIN** 10, 30, 60, 100 mg continuous release tabs; 30–100 mg BD; **RILIMORF** 10, 20 mg tabs, 60 mg SR tab.

2. **Codeine:** 30–60 mg oral; **CODEINE 15 mg tab, 15 mg/5 ml syr.**
3. **Pethidine:** 50–100 mg oral/i.m./s.c., 10–15 mg i.v. (rarely); **PETHIDINE 50, 100 mg tabs, 100 mg/2 ml inj.**
4. **Fentanyl:** 2–4 µg/kg i.v.; 12.5–100 µg/hr transdermal; **TROFENTYL, FENT 50 µg/ml in 2 ml amp and 10 ml vial, DUROGESIC transdermal patch delivering 12.5 µg/hr, 25 µg/hr, 50 µg/hr, 75 µg/hr and 100 µg per hour; the patch is changed every 3 days.**
5. **Methadone:** As analgesic 2.5–10 mg oral/i.m. (not s.c.); for methadone maintenance therapy 5–40 mg per day; **METHADONE 5 mg/ml and 10 mg/ml syr; 5, 10, 20, 40 mg tabs.**
6. **Dextropropoxyphene:** 60–120 mg oral; **PARVODEX 60 mg cap; PARVON, PROXYVON, WALAGESIC: dextropropoxyphene 65 mg + paracetamol 400 mg cap; WYGESIC, SUDHINOL 65 mg + paracetamol 650 mg cap.**
7. **Tramadol:** 50–100 mg oral/i.m./slow i.v. infusion (children 1–2 mg/kg) 4–6 hourly. **CONTRAMAL, DOMADOL, TRAMAZAC 50 mg cap, 100 mg SR tab; 50 mg/ml inj in 1 and 2 ml amps.**

Opioid Agonist-Antagonists and Pure Antagonists

1. **Pentazocine:** 50–100 mg, oral, 30–60 mg i.m., s.c., **FORTWIN 25 mg tab., 30 mg/ml inj., FORTSTAR, SUSEVIN 30 mg/ml inj; FORTAGESIC pentazocine 15 mg + paracetamol 500 mg tab.**
2. **Butorphanol:** 1–4 mg i.m./i.v.; **BUTRUM 1 mg/ml and 2 mg/ml inj.**
3. **Buprenorphine:** 0.3–0.6 mg i.m., s.c. or slow i.v., also sublingual 0.2–0.4 mg 6–8 hourly; **NORPHIN, TIDIGESIC 0.3 mg/ml inj. 1 and 2 ml amps. 0.2 mg sublingual tab; BUPRIGESIC, PENTOREL 0.3 mg/ml inj in 1, 2 ml amp.**
4. **Naloxone:** Adults 0.4–0.8 mg i.v. every 2–3 min (max 10 mg); neonates 10 µg/kg in the umbilical cord; **NAR-COTAN 0.4 mg in 1 ml (adult) and 0.04 mg in 2 ml (infant) amps; NALOX, NEX 0.4 mg inj.**
5. **Naltrexone:** 50 mg/day oral; **NALTIMA, NALTROX 50 mg tab.**

CNS STIMULANTS**COGNITION ENHANCERS
(Cerebroactive drugs)**

Preparations

CNS Stimulants

1. **Doxapram:** 40–80 mg i.m. or i.v.; 0.5–2 mg/kg/hr i.v. infusion. CAROPRAM 20 mg/ml in 5 ml amp.
2. **Methylphenidate:** Adults 5–10 mg BD, child 0.25 mg/kg/day (max 1 mg/kg/day); **RETALIN 5, 10, 20, 30 mg tab.**
3. **Atomoxetine:** 0.5 mg/kg OD in the morning (max 1.2 mg/kg/day) in children; adults 40 mg OD (max. 100 mg OD). **ATTENTROL 10, 18, 25, 40 mg caps; AXEPTA 18, 25 mg cap.**
4. **Modafinil:** 100-200 mg morning and afternoon (for day time sleepiness), 200 mg 1 hour before starting night shift. **MODALERT, PROVAKE 100, 200 mg tabs.**
5. **Caffeine:** 20–100 mg oral; in **CAFERGOT: Caffeine 100 mg + ergotamine 1 mg tab. MICROPYRIN: Caffeine 20 mg + aspirin 350 mg tab.**

Cognition Enhancers

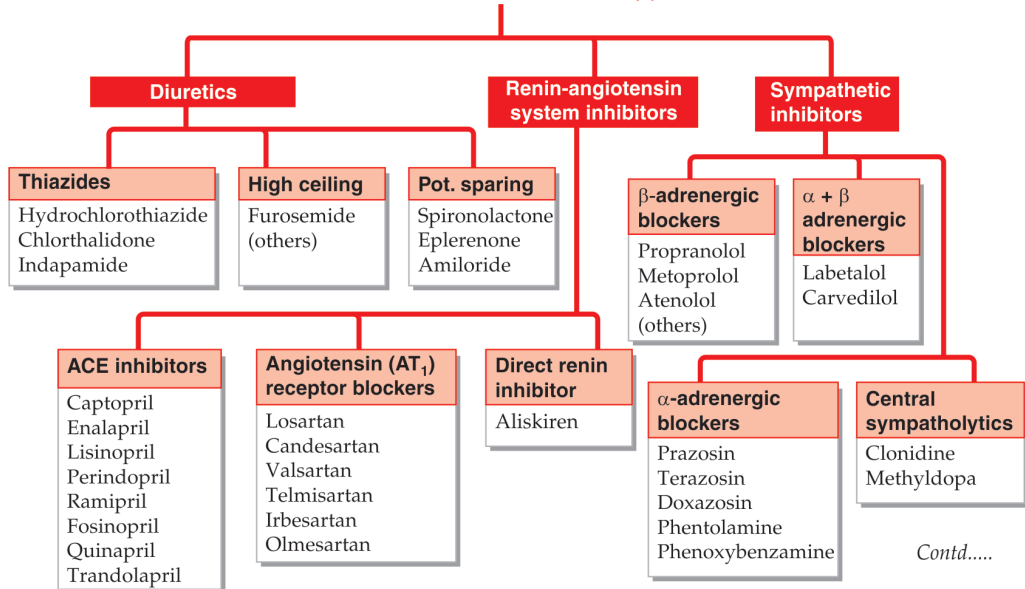
1. **Rivastigmine:** Start with 1.5 mg BD, increase every 2 weeks by 1.5 mg/day upto 6 mg/day; **EXELON, RIVAMER 1.5, 3.0, 6.0 mg caps.**
2. **Donepezil:** 5 mg once at bed time (max. 10 mg OD); **DONECEPT, DOPEZIL, DORENT 5, 10 mg tabs.**
3. **Galantamine:** 4 mg BD (max. 12 mg BD); **GALAMER 4, 8, 12 mg tabs.**
4. **Memantine:** 5 mg OD, increase up to 10 mg BD; **ADMENTA, MENTADEM 5, 10 mg tabs, ALMANTIN 5 mg tab.**
5. **Piracetam:** 0.8–1 g TDS; children 20 mg/kg BD–TDS; 1–3 g i.m. 6 hourly in stroke/head injury; **NORMABRAIN, NEUROCETAM, NOOTROPIL 400, 800 mg cap, 500 mg/5 ml syr., 300 mg/ml inj.**

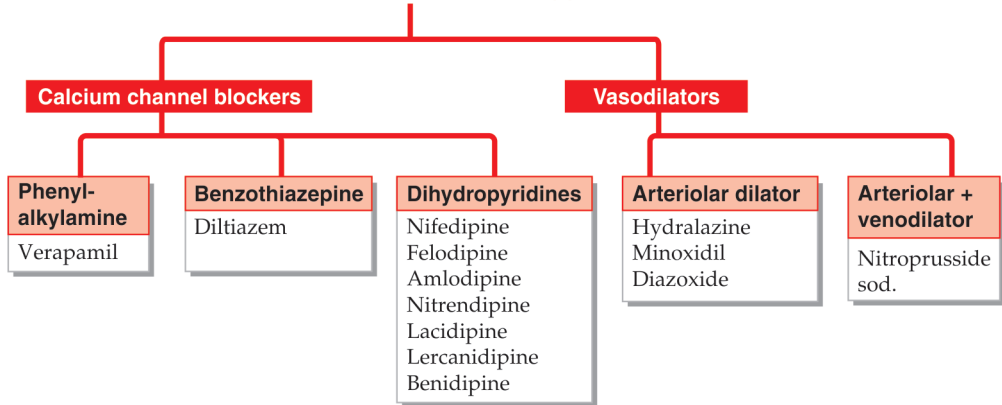
6. **Pyritinol (Pyrithioxine)**: 100–200 mg TDS, child 50–100 mg TDS oral, 200–400 mg 6 hourly (max. 1 g/day) i.v.;
ENCEPHABOL 100, 200 mg tab, 100 mg/5 ml susp, 200 mg dry powder in vial with solvent for i.v. infusion.
7. **Dihydroergotoxine (Codergocrine)**: 1–1.5 mg TDS oral/sublingual, 0.3 mg i.m. OD;
HYDERGINE 1 mg tab, 0.3 mg/ml inj, CERELOID 1 mg tab.
8. **Piribedil**: 50 mg OD–BD; TRIVASTAL-LA 50 mg tab.
9. **Ginkgo biloba**: 40–80 mg TDS; GINKOCER, BILOVAS, GINKOBA 40 mg tab.
10. **Citicoline**: Oral 200–600 mg/day in divided doses;
Parenteral 0.5–1.0 g/day i.m./i.v.
STROLIN 500 mg tab, CITILIN, CITINOVA 500 mg tab, 500 mg/2 ml inj.

7

Cardiovascular Drugs

ANTIHYPERTENSIVE DRUGS (1)



ANTIHYPERTENSIVE DRUGS (2)

Preparations

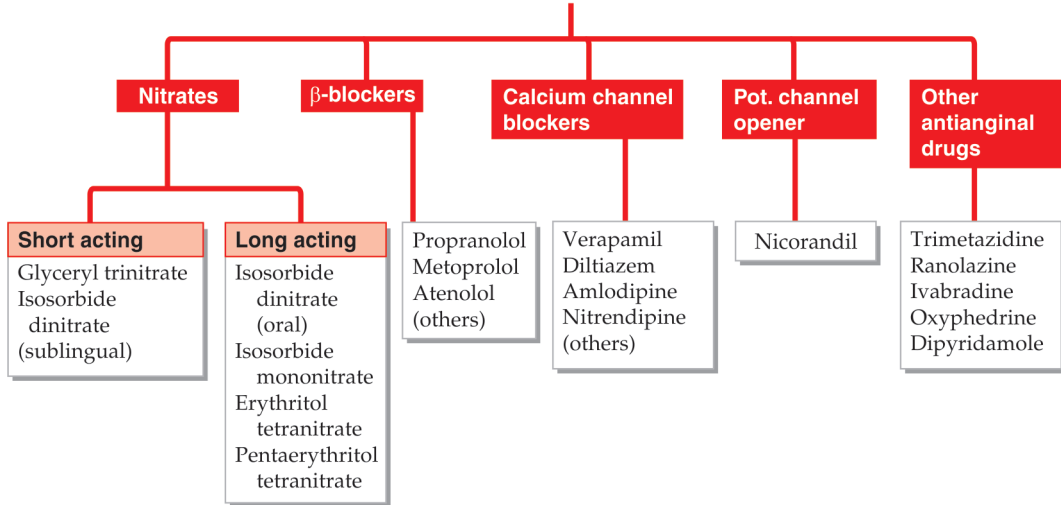
1. **Captopril:** Initially 25 mg BD, increase upto 50 mg TDS as needed. To be taken 1 hr before or 2 hr after a meal; **ANGIOPRIL 25 mg tab, ACETEN, CAPOTRIL 12.5, 25 mg tabs.**
2. **Enalapril:** 2.5 mg OD–20 mg BD; **ENAPRIL, ENVAS, ENAM 2.5, 5, 10, 20 mg tabs.**
3. **Lisinopril:** 5 mg OD–20 mg BD; **LINVAS, LISTRIL, LIPRIL 2.5, 5, 10 mg tabs, LISORIL 2.5, 5, 10, 20 mg tabs.**
4. **Perindopril:** 2 mg OD–4 mg BD; **COVERSYL 2, 4 mg tabs.**
5. **Ramipril:** 1.25 mg OD–5 mg BD; **CARDACE, RAMIRIL, CORPRIL, RPRIL 1.25, 2.5, 5 mg caps.**
6. **Benazepril:** 10 mg OD–20 mg BD; **BENACE 5, 10, 20 mg tabs.**
7. **Trandolapril:** 2 mg OD–4 mg BD; **ZETPRIL 1, 2 mg tabs.**
8. **Fosinopril:** 10–40 mg OD; **FOSINACE, FOVAS 10, 20 mg tabs.**
9. **Imidapril:** Start with 5 mg (elderly 2.5 mg) OD, max. 10 mg BD; **TANATRIL 5, 10 mg tabs.**
10. **Quinapril:** 10–40 mg/day; **ACCUPRIL-H Quinapril 20 mg + hydrochlorothiazide 12.5 mg tab.**
11. **Losartan:** 50 mg OD (max. 50 mg BD), liver disease and volume depleted patients 25 mg OD; **LOSAR, LOSACAR, TOZAR, ALSARTAN 25, 50 mg tabs.**
12. **Candesartan:** 8 mg OD (max. 8 mg BD), liver/kidney disease patients 4 mg OD; **CANDESAR 4, 8, 10 mg tabs, CANDILONG, CANDESTAN 4, 8 mg tabs.**
13. **Irbesartan:** 150–300 mg OD; **IROVEL, IRBEST 150, 300 mg tabs.**
14. **Valsartan:** 80–160 mg OD; **DIOVAN 40, 80, 160 mg tabs. STARVAL, VALZAAR 80, 160 mg tabs.**
15. **Telmisartan:** 20–80 mg OD; **TELMA, TELSAR, TELVAS 20, 40 mg tabs.**
16. **Olmesartan medoxomil:** 20–40 mg OD; **OLMAT 20, 40 mg tabs.**
17. **Aliskiren:** 150–300 mg OD; **RASILEZ 150 mg tab; RASILEZ-HC alongwith hydrochlorothiazide 12.5 mg.**

18. **Verapamil:** 40–160 mg TDS oral, 5 mg by slow i.v. inj; **CALAPTIN** 40, 80 mg tab, 120, 240 mg SR tab; **VPL** 5 mg/2 ml inj, **VASOPTEN** 40, 80, 120 mg tabs.
19. **Diltiazem:** 30–60 mg TDS–QID oral; **DILZEM** 30, 60 mg tabs, 90 mg SR tab; 25 mg/5 ml inj; **ANGIZEM** 30, 60, 90, 120, 180 mg tab, **DILTIME** 30, 60 mg tab; 90, 120 mg SR tab.
20. **Nifedipine:** 5–20 mg BD–TDS oral; **CALCIGARD**, **DEPIN**, **NIFELAT** 5, 10 mg cap, also 10 mg, 20 mg SR (RETARD) tab., **ADALAT RETARD** 10, 20 mg SR tab.
21. **Felodipine:** 5–10 mg OD (max. 10 mg BD); **FELOGARD**, **PLENDIL**, **RENDIL** 2.5, 5, 10 mg ER tab.
22. **Amlodipine:** 5–10 mg OD; **AMLOPRES**, **AMCARD**, **AMLOPIN**, **MYODURA** 2.5, 5, 10 mg tabs.
23. **S(–) Amlodipine:** 2.5–5 mg OD; **S-NUMLO** 1.25, 2.5, 5.0 mg tabs; **ESAM**, **S-AMCARD**, **ASOMEX** 2.5, 5.0 mg tabs.
24. **Nitrendipine:** 5–20 mg OD (max. 20 mg BD); **CARDIF**, **NITREPIN** 10, 20 mg tab.
25. **Lacidipine:** 4–6 mg OD; **LACIVAS**, **SINOPIL** 2, 4 mg tabs.
26. **Benidipine:** 4–8 mg OD; **CARITEC** 4, 8 mg tabs.
27. **Lercanidipine:** 10–20 mg OD; **LERKA**, **LEREZ** 10, 20 mg tabs.
28. **Hydrochlorothiazide:** 12.5–50 mg OD; **AQUAZIDE**, **HYDRAZIDE**, **HYDRIDE** 12.5, 25, 50 mg tabs.
29. **Chlorthalidone:** 25–100 mg OD; **HYTHALTON** 100 mg tab.
30. **Indapamide:** 2.5 mg OD; **LORVAS**, **NATRILIX** 2.5 mg tab, **NATRILIX-SR**, **DIURIX-SR** 1.5 mg tab.
31. **Clonidine:** Start with 100 µg OD or BD, max 300 µg TDS, orally or i.m.; **CATAPRES** 150 µg tab, **ARKAMIN** 100 µg tab.
32. **Methyldopa:** 0.25–0.5 g BD–QID; **EMDOPA**, **ALPHADOPA** 250 mg tab.
33. **Hydralazine:** 25–50 mg OD–TDS; **NEPRESOL** 25 mg tab.
34. **Sodium nitroprusside:** Initiate i.v. infusion with 0.02 mg/min, titrate with lowering of blood pressure upto 0.1–0.3 mg/min; **SONIDE**, **PRUSIDE**, **NIPRESS** 50 mg in 5 ml inj.

Note: See Index for preparations of other drugs.

Some combined antihypertensive formulations

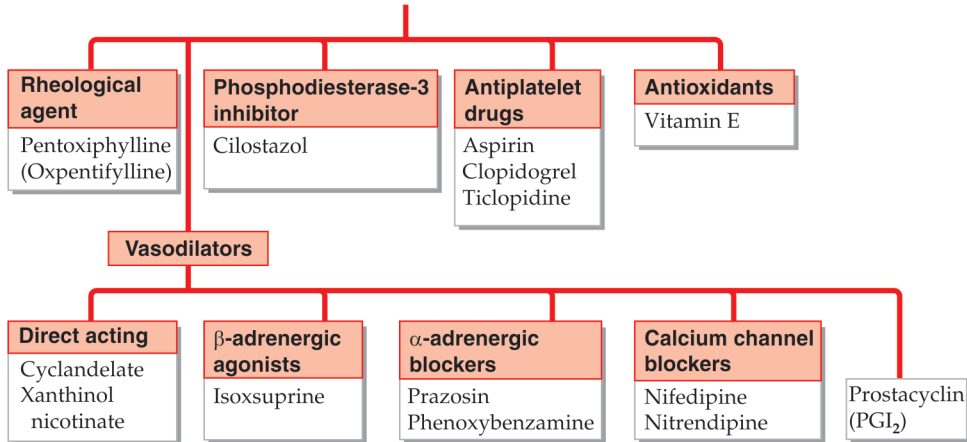
1. Amlodipine 5 mg + Lisinopril 5 mg—**AMLOPRES-L, LISTRIL-AM**
2. Amlodipine 5 mg + Atenolol 50 mg—**AMCARD-AT, AMLOPIN-AT, AMLOPRES-AT**
3. Amlodipine 5 mg + Enalapril 5 mg—**AMACE, AMTAS-E**
4. Atenolol 25 mg or 50 mg + Chlorthalidone 12.5 mg—**TENOCLOR, TENORIC**
5. Enalapril 10 mg + Hydrochlorothiazide 25 mg—**ENACE-D, VASONORM-H**
6. Ramipril 2.5 mg + Hydrochlorothiazide 12.5 mg—**CARDACE-H**
7. Losartan 50 mg + Hydrochlorothiazide 12.5 mg—**LOSAR-H, TOZAAR-H, LOSACAR-H**
8. Lisinopril 5 mg + Hydrochlorothiazide 12.5 mg—**LISTRIL PLUS, LISORIL-HT**
9. Losartan 50 mg + Ramipril 2.5 mg or 5 mg—**TOZAAR-R, LAPIDO-R**
10. Losartan 50 mg + Amlodipine 5 mg—**AMCARD-LP, AMLOPRES-Z, LOSACAR-A**
11. Losartan 50 mg + Ramipril 2.5 mg + Hydrochlorothiazide 12.5 mg—**LOSANORM-HR**
12. Irbesartan 150 mg + Hydrochlorothiazide 12.5 mg—**IROVEL-H, XARB-H.**

ANTIANGINAL DRUGS

Preparations

- 1. Glyceryl trinitrate (GTN), Nitroglycerine:**
0.5 mg sublingual, 5–15 mg oral; **ANGISED 0.5 mg tab, NITROLINGUAL spray, GTN spray 0.4 mg per spray; ANGISPAN-TR 2.5, 6.5 mg SR cap, NITROCONTIN, CORODIL 2.6, 6.4 mg CR tabs; One transdermal patch for 14–16 hr per day; NITRODERM-TTS 5 or 10 mg patch; 5–20 µg/min i.v.; MYOVIN, MILLISROL, NITROJECT 5 mg/ml inj.**
- 2. Isosorbide dinitrate:**
5–10 mg sublingual; **SORBITRATE 5, 10 mg tab; 10–20 mg oral; ISORDIL 5 mg sublingual & 10 mg oral tab; 20–40 mg sustained release oral; DITRATE 5, 10 mg tab; 20, 40 mg SR tab.**
- 3. Isosorbide-5-mononitrate:** 20–40 mg oral; **MONOTRATE 10, 20, 40 mg tab, 50 mg SR tab, 5-MONO, MONOSORBITRATE 10, 20, 40 mg tab.**
- 4. Erythrityl tetranitrate:** 15–60 mg oral; **CARDILATE 5, 15 mg tab.**
- 5. Pentaerythritol tetranitrate:** 10–40 mg oral; **PERITRATE 10 mg tab; 80 mg sustained release oral; PERITRATE-SA 80 mg SR tab.**
- 6. Nicorandil:** 5–20 mg BD; **NIKORAN, 5, 10 mg tabs, 2 mg/vial and 48 mg/multidose vial inj; KORANDIL 5, 10 mg tabs.**
- 7. Trimetazidine:** 20 mg TDS after meals; **FLAVEDON, CARVIDON, TRIVEDON 20 mg tabs, 35 mg modified release tab.**
- 8. Ranolazine:** 0.5–1.0 g BD as SR tab; **RANOZEX, REVULANT, RANX, CARTINEX, RANOLAZ 500 mg SR tab.**
- 9. Ivabradine:** 5–7.5 mg BD, elderly 2.5 mg BD; **IVABRAD, BRADIA 5, 7.5 mg tab.**
- 10. Oxyphedrine:** 8–24 mg TDS oral, 4–8 mg i.v. OD–BD; **ILDAMEN 8, 24 mg tab., 4 mg/2 ml inj.**

Note: See Index for preparations of β -blockers and calcium channel blockers.

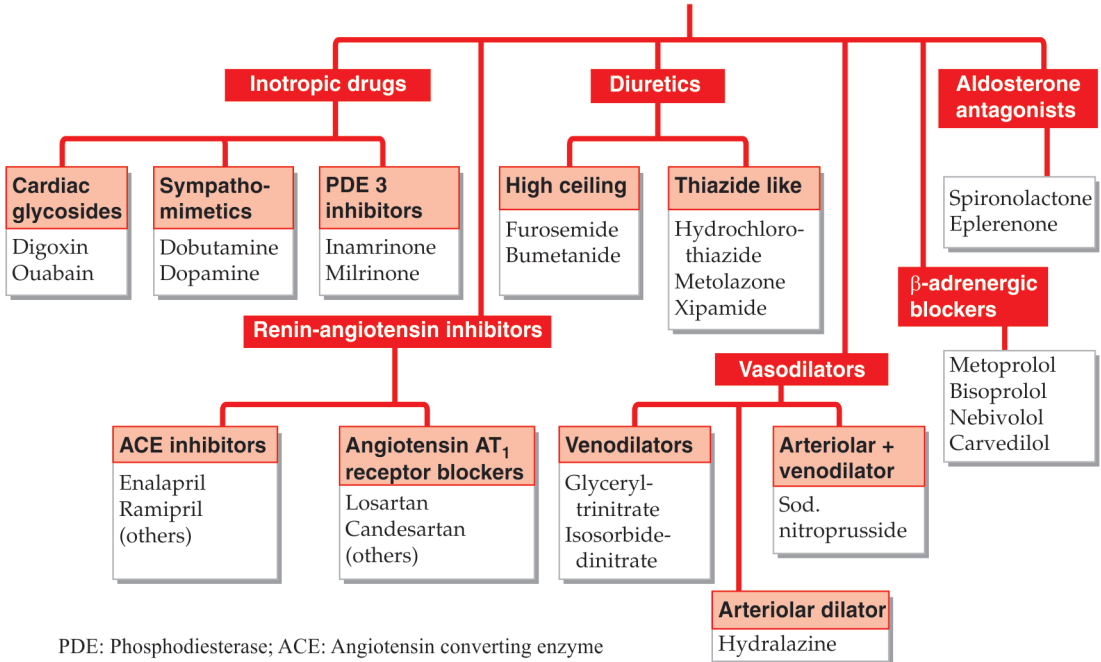
DRUGS FOR PERIPHERAL VASCULAR DISEASES

Preparations

1. **Pentoxifylline:** 400 mg BD-TDS; **TRENTAL-400**, **FLEXITAL** 400 mg SR tab, 300 mg/15 ml for slow i.v. injection.
2. **Cyclandelate:** 200–400 mg TDS; **CYCLOSPASMOL**, **CYCLASYN** 200, 400 mg tab/cap.
3. **Xanthinol nicotinate:** 300–600 mg TDS oral; 300 mg by i.m. or slow i.v. injection; **COMPLAMINA** 150 mg tab, 500 mg retard tab, 300 mg/2 ml inj.
4. **Cilostazol:** 100 mg BD half hour before or 2 hours after food; **CILODOC**, **PLETOZ**, **STILOZ** 50, 100 mg tabs.

Note: See Index for preparations of other drugs.

DRUGS FOR CONGESTIVE HEART FAILURE



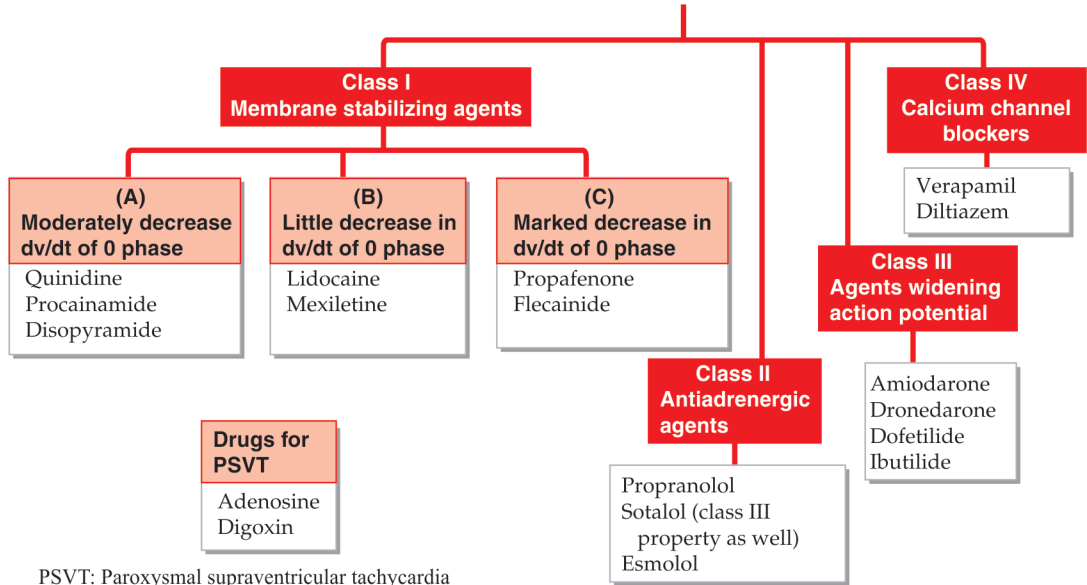
PDE: Phosphodiesterase; ACE: Angiotensin converting enzyme

Preparations

1. **Digoxin:** 0.25–0.5 mg/day (elderly 0.125–0.25 mg/day) oral adjusted according to response, 0.25 mg slow i.v. injection followed by 0.1 mg 1–2 hourly as needed; **DIGOXIN 0.25 mg tab, 0.05 mg/ml pediatric elixir, 0.5 mg/2 ml inj. LANOXIN 0.25 mg tab, CARDIOXIN, DIXIN 0.25 mg tab, 0.5 mg/2 ml inj.**
2. **Inamrinone (Amrinone):** 0.5 mg/kg i.v. bolus injection followed by 5–10 $\mu\text{g}/\text{kg}/\text{min}$ i.v. infusion (max. 10 mg/kg in 24 hours). **AMICOR, CARDIOTONE 5 mg/ml (as lactate) 20 ml amp.**
3. **Milrinone:** 50 $\mu\text{g}/\text{kg}$ i.v. bolus followed by 0.4–1.0 $\mu\text{g}/\text{kg}/\text{min}$ infusion; **PRIMACOR IV 10 mg/10 ml inj.**

Note: See Index for preparations of other drugs.

ANTIARRHYTHMIC DRUGS



PSVT: Paroxysmal supraventricular tachycardia

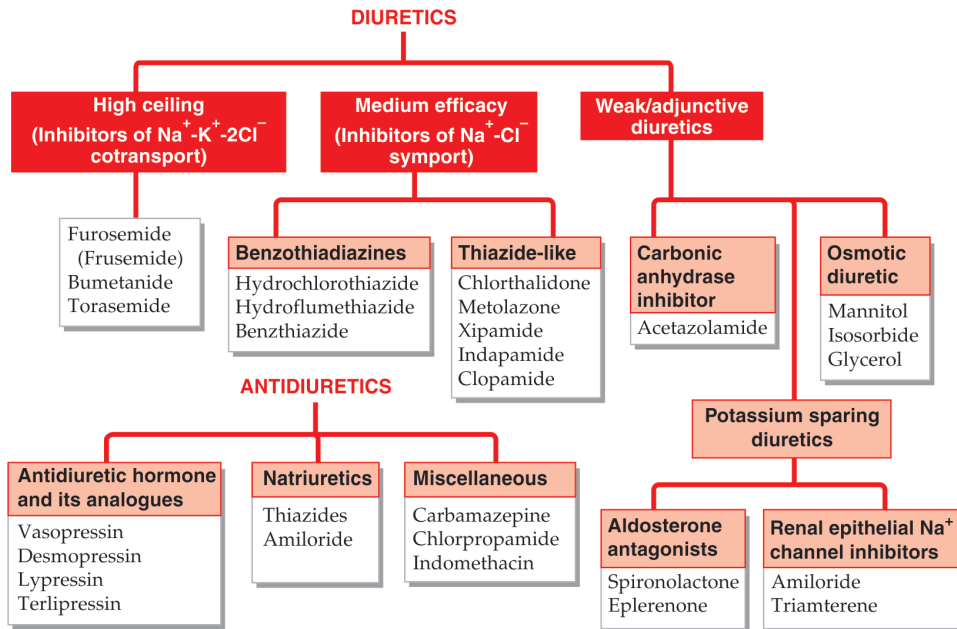
Preparations

- 1. Quinidine:** 100–200 mg TDS oral; rarely 100–300 mg slow i.v. inj. **QUINIDINE SULPHATE 200 mg tab; QUININGA 300 mg tab, 600 mg/2 ml inj, NATCARDINE 100 mg tab.**
- 2. Procainamide:** for abolition of arrhythmia—0.5–1 g oral or i.m. followed by 0.25–0.5 g every 2 hours; or 500 mg i.v. loading dose (25 mg/min injection) followed by 2mg/kg/hour. Maintenance dose—0.5 g every 4–6 hours; **PRONESTYL 250 mg tab., 1 g/10 ml inj.**
- 3. Disopyramide:** 100–150 mg 6 hourly oral; rarely 2 mg/kg by slow i.v. injection; **NORPACE, 100, 150 mg cap, REGUBEAT 100 mg tab.**
- 4. Lidocaine (Lignocaine):** 50–100 mg bolus followed by 20–40 mg every 10–20 min or 1–3 mg/min infusion; **XYLOCARD, GESICARD 20 mg/ml inj. (5, 50 ml vials).** These preparations for cardiac use contain no preservative. The local anaesthetic preparations should not be used for this purpose.
- 5. Mexiletine:** 100–250 mg i.v. over 10 min, 1 mg/min i.v. infusion. Oral: 150–200 mg TDS with meals; **MEXITIL 50, 150 mg caps, 250 mg/10 ml inj.**
- 6. Propafenone:** 150 mg BD–300 mg TDS oral; **RHYTHMONORM 150 mg tab.**
- 7. Propranolol:** 1 mg/min (max 5 mg) i.v. injection under close monitoring; 40–80 mg (max 160 mg) BD to QID oral; **INDERAL, CIPLAR 10, 40, 80 mg tabs, 1 mg/ml inj, BETABLOCK 10, 40 mg tabs.**
- 8. Sotalol:** 40–80 mg BD–QID oral; **SOTAGARD 40, 80 mg tabs.**
- 9. Esmolol:** 0.5 mg/kg in 1 min followed by 0.05–0.2 mg/kg/min i.v. infusion; **MINIBLOCK 100 mg/10 ml, 250 mg/10 ml inj.**
- 10. Amiodarone:** 400–600 mg/day orally for few weeks, followed by 100–200 mg OD for maintenance; 100–300 mg (5 mg/kg) slow i.v. injection over 30–60 min; **CORDARONE, ALDARONE, EURYTHMIC 100, 200 mg tabs, 150 mg/3 ml inj.**

11. **Verapamil:** 5 mg slow i.v. injection over 2–3 min (to terminate PSVT), 60–120 mg TDS orally for maintenance and to control ventricular rate in atrial fibrillation or flutter;
CALAPTIN 40, 80 mg tab; 120, 240 mg SR tab, 5 mg/2 ml inj.
12. **Diltiazem:** 25 mg by slow i.v. inj (to terminate PSVT and to rapidly control ventricular rate in atrial fibrillation or flutter), 30–60 mg TDS orally for maintenance;
DILZEM 30, 60 mg tabs, 90 mg SR tab; 25 mg/5 ml inj.
13. **Adenosine:** 6–12 mg (free base) by rapid i.v. injection in a central vein;
ADENOJECT, ADENOCOR, 3 mg adenosine base per ml in 2 ml and 10 ml amp.

8

Drugs Acting on Kidney



Preparations

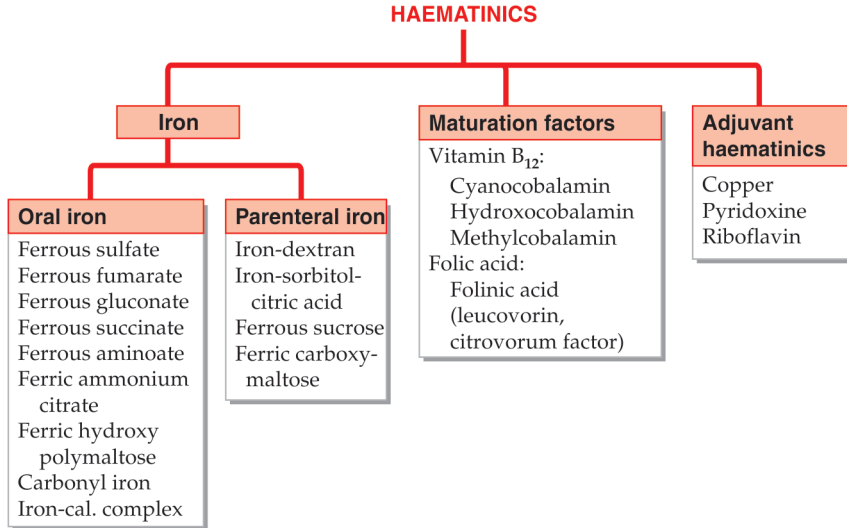
Diuretics

- Furosemide (Frusemide):** Usually 20–80 mg once daily in the morning. In renal insufficiency, upto 200 mg 6 hourly given by i.m./i.v. route. In pulmonary edema 40–80 mg i.v.;
LASIX 40 mg tab., 20 mg/2 ml inj. LASIX HIGH DOSE 500 mg tab, 250 mg/25 ml inj; (solution degrades spontaneously on exposure to light), SALINEX 40 mg tab, FRUSENEX 40, 100 mg tab.
- Bumetanide:** 1–5 mg oral once daily in the morning, 2–4 mg i.v./i.m. (max 15 mg/day in renal failure);
BUMET 1 mg tab, 0.25 mg/ml inj.
- Torasemide:** 2.5–20 mg once daily in the morning;
DIURETOR 10, 20 mg tabs, DYTOR, TIDE 5, 10, 20, 100 mg tabs.
- Hydrochlorothiazide:** 12.5–100 mg OD in the morning; AQUAZIDE, THIAZIDE, HYDRIDE 12.5, 25, 50 mg tabs, ESIDREX 50 mg tab.
- Chlorthalidone:** 50–100 mg OD in the morning;
HYTHALTON 50, 100 mg tab, HYDRAZIDE, THALIZIDE 12.5, 25 mg tabs.
- Metolazone:** 5–20 mg OD in the morning; XAROXOLYN 5, 10 mg tab, DIUREM, METORAL 2.5, 5, 10 mg tabs.
- Xipamide:** 20–40 mg OD in the morning; XIPAMID 20 mg tab.
- Indapamide:** 2.5–5 mg OD in the morning; LORVAS 2.5 mg tab.
- Cloпамide:** 10–60 mg OD in the morning; BRINALDIX 20 mg tab.
- Acetazolamide:** 250 mg OD–BD; DIAMOX, SYNOMAX 250 mg tab. IOPAR-SR 250 mg SR cap.
- Spironolactone:** 25–50 mg BD–QID; ALDACTONE 25, 50, 100 mg tabs; ALDACTIDE: Spironolactone 25 mg + hydroflumethiazide 25 mg tab; LACILACTONE, SPIROMIDE, Spironolactone 50 mg + furosemide 20 mg tab. TORLACTONE spironolactone 50 mg + torasemide 10 mg tab.

12. **Eplerenone**: 25–50 mg BD; **EPTUS, EPLERAN, ALRISTA 25, 50 mg tabs.**
13. **Triamterene**: 50–100 mg daily; **DITIDE, triamterene 50 mg + benzthiazide 25 mg tab; FRUSEMENE, triamterene 50 mg + furosemide 20 mg tab.**
14. **Amiloride**: 5–10 mg OD–BD; **BIDURET, KSPAR Amiloride 5 mg + hydrochlorothiazide 50 mg tab, LASIRIDE, AMIFRU amiloride 5 mg + furosemide 40 mg tab.**
15. **Mannitol**: 100–500 ml of 10–20% solution infused i.v.; **MANNITOL 10%, 20% in 100, 350 and 500 ml vac.**

Antidiuretics

1. **Aqueous Vasopressin (Arginine Vasopressin, AVP)**: 5–10 U i.v./i.m./s.c.; **PROSTACTON 10 U inj.**
2. **Lypressin**: 10 IU i.m. or s.c. or 20 IU diluted in 100–200 ml of dextrose solution and infused i.v. over 10–20 min; **PETRESIN, VASOPIN 20 IU/ml inj.**
3. **Terlipressin**: 2 mg i.v., repeat 1–2 mg every 4–6 hours as needed; **GLYPRESSIN, TERLINIS, T-PRESSIN 1 mg freeze dried powder with 5 ml diluent for inj.**
4. **Desmopressin (dDAVP)**: *Intranasal*: Adults 10–40 µg/day in 2–3 divided doses, children 5–10 µg at bed time
Oral: 0.1–0.2 mg TDS
Parenteral (s.c. or i.v.) 2–4 µg/day in 2–3 divided doses.
MINIRIN 100 µg/ml nasal spray (10 µg per actuation); 100 µg/ml intranasal solution in 2.5 ml bottle with applicator; 0.1 mg tablets; 4 µg/ml inj.



Preparations

Oral iron: Therapeutic dose: 100–200 mg elemental iron per day (children 3–5 mg/kg/day).
Prophylactic dose: 30 mg elemental iron (children 1 mg/kg) per day.

1. Ferrous sulfate (hydrated salt 20% iron, dried salt 32% iron); **FERSOLATE 200 mg tab.**
2. Ferrous fumarate (33% iron); **NORI-A 200 mg tab.**
3. Ferrous gluconate (12% iron); **FERRONICUM 300 mg tab, 400 mg/15 ml elixir.**
4. Colloidal ferric hydroxide (50% iron); **FERRI DROPS 50 mg/ml oral drops.**

Combination oral iron preparations

Trade name	Iron compound	Other ingredients
CONVIRON Cap	Fe. sulfate (dried) 60 mg	B ₁₂ 15 µg, folic acid 1.5 mg, B ₆ 1.5 mg, vit. C 75 mg
FERSOLATE-CM Tab	Fe. sulfate (dried) 195 mg	Cu sulfate 2.6 mg, Mn sulfate 2 mg
FESOVIT-SPANSULE Cap	Fe. sulfate (dried) 150 mg	B ₁₂ 15 µg, folic acid 1 mg, nicotinamide 50 mg, B ₆ 2 mg
FEFOL SPANSULE Cap	Fe. sulfate 150 mg	Folic acid 0.5 mg
HEMGLOB syr (15 ml)	Fe. gluconate 300 mg	B ₁₂ 15 µg, B ₁ 5 mg, B ₂ 5 mg, B ₆ 1.5 mg, niacinamide 45 mg
AUTRIN Cap	Fe. fumarate 300 mg	B ₁₂ 15 µg, folic acid 1.5 mg, vit. C 150 mg
DUMASULES Cap	Fe. fumarate 300 mg	B ₁₂ 7.5 µg, folic acid 0.75 mg, B ₁ 5 mg, niacinamide 50 mg, vit. C 75 mg, B ₆ 1.5 mg

Contd...

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HEMSYNERAL Cap	Fe. fumarate 200 mg	B ₁₂ 15 µg, folic acid 1.5 mg
HEMSI Syr (5 ml)	Fe. fumarate 100 mg	Vit. B ₁₂ 5 µg, folic acid 0.5 mg, Zn 3.3 mg, Cu 0.035 mg, Mn 0.2 mg
HEMATRINE Cap	Fe. succinate 100 mg	B ₁₂ 2.5 µg, folic acid 0.5 mg, vit. C 25 mg, niacinamide 15 mg
POLYRON tab, BIOFER tab, POLYFER chewable tab	Iron hydroxy polymaltose (Iron 100 mg)	Folic acid 0.35 mg
MUMFER Syr (5 ml) and drops (1 ml)	Iron hydroxy polymaltose (Iron 50 mg)	Folic acid 0.5 mg
FERRICARB Cap	Carbonyliron (Iron 100 mg)	Folic acid 1.5 mg, B ₁₂ 15 µg, Zinc sulf 88 mg, pyridoxin 3 mg, Sod. selenite 60 µg
HBFAST Tab	Carbonyliron (Iron 100 mg)	Folic acid 0.35 mg
FERROCHELATE Syr (5 ml) drops (1 ml)	Ferric ammon. cit. (Iron 60 mg) (Iron 20 mg)	B ₁₂ 5 µg, folic acid 1 mg, B ₁₂ 4 µg, folic acid 0.2 mg
RARICAP Tab	Iron cal. complex (Iron 25 mg)	Folic acid 0.3 mg
PROBOFEX Cap	Fe. aminoate (60 mg Iron)	B ₁₂ 15 µg, folic acid 1.5 mg, B ₆ 3 mg
DEXORANGE Cap/ syrup (15 ml)	Ferric ammon. cit. 160 mg	B ₁₂ 7.5 µg, folic acid 0.5 mg.

Parenteral Iron

1. **Iron-dextran:** 50 mg elemental iron/ml in colloidal solution; 2 ml deep i.m. injection by 'Z' track technique, daily or on alternate days; 2 ml by slow i.v. injection (taking 10 min) daily;
IMFERON, FERRI INJ: 2 ml amp.
2. **Iron-sorbitol-citric acid:** 50 mg elemental iron/ml; 1.5 ml daily or on alternate days by deep i.m. injection using 'Z' track technique;
FERIMAX: iron sorbitol-citric acid 75 mg, folic acid 0.75 mg, hydroxocobalamine 75 µg in 1.5 ml Amp.
3. **Ferrous-sucrose:** 100 mg slow i.v. inj. over 5 min daily or on alternate days. Not for i.m. or s.c. inj;
MICROFER, UNIFERON, ICOR 50 mg/2.5 ml and 100 mg/5 ml inj.
4. **Ferric-carboxymaltose:** 100 mg slow i.v. inj. daily or upto 1000 mg diluted in 100 ml saline and infused i.v. taking 15-30 min; infusion can be repeated after 1 week.
ENCICARB INJ 50 mg/ml in 2 ml and 10 ml vials.

Maturation factors

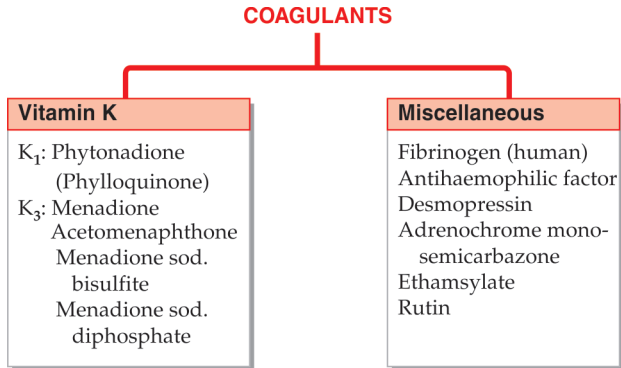
1. **Cyanocobalamin/Hydroxocobalamin:** Therapeutic dose: 30–1000 µg/day by i.m. or deep s.c. injection (not i.v.) for 10 days followed by weekly and then monthly doses; Prophylactic dose 3–10 µg/day oral; available only as combined formulations with other vitamins and iron:
NEUROBION FORTE (1000 µg/3 ml inj; 15 µg per tab), OPTINEURON (1000 µg/3 ml inj), NEUROXIN-12 (500 µg/10 ml inj), POLYBION (15 µg per cap), BECOSULES (5 µg/cap), AUTRIN (15 µg/cap).
2. **Methylcobalamin:** 0.5–1.5 mg/day oral;
BIOCOBAL, DIACOBAL, METHYLCOBAL 0.5 mg tab, MECOBA, BIGVIN 500 µg/ml inj.
3. **Folic acid:** Therapeutic dose 2–5 mg/day oral/i.m.; prophylactic dose 0.5 mg/day;
FOLVITE, FOLITAB 5 mg tab.

4. **Folinic acid:** 1–3 mg i.v.; **CALCIUM LEUCOVORIN** 3 mg/ml inj; **FASTOVORIN** 3 mg and 15 mg amps, 50 mg vial; **RECOVERIN** 15 mg tab, 15 mg and 30 mg vial for inj.

Erythropoietic factor

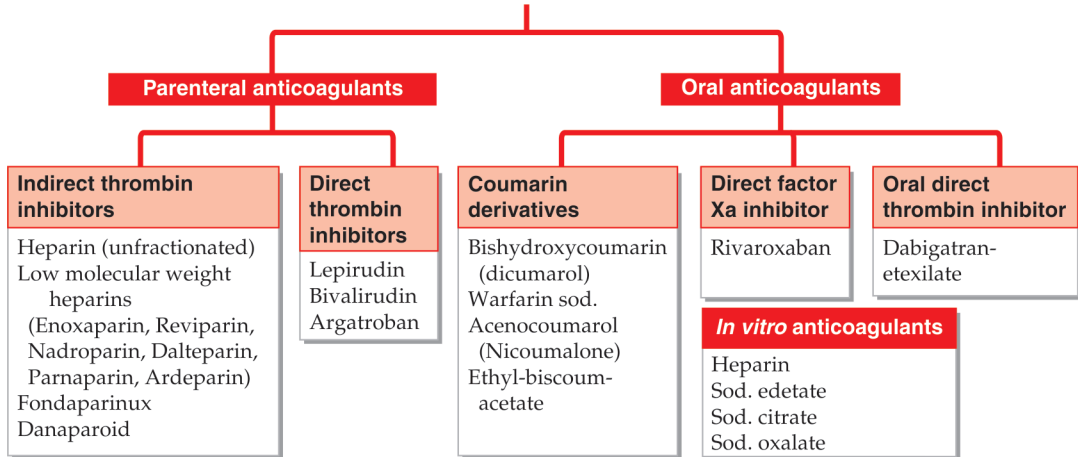
Recombinant human erythropoietin (Epoetin α , β): 25–100 IU/kg s.c./i.v. 3 times a week (max 600 IU/kg/week);

HEMAX 2000 IU/ml and 4000 IU/ml vials; EPREX 2000 IU, 4000 IU and 10,000 IU in 1 ml prefilled syringes; ZYROP (epoetin β) 2000 IU and 4000 IU vials.



Preparations

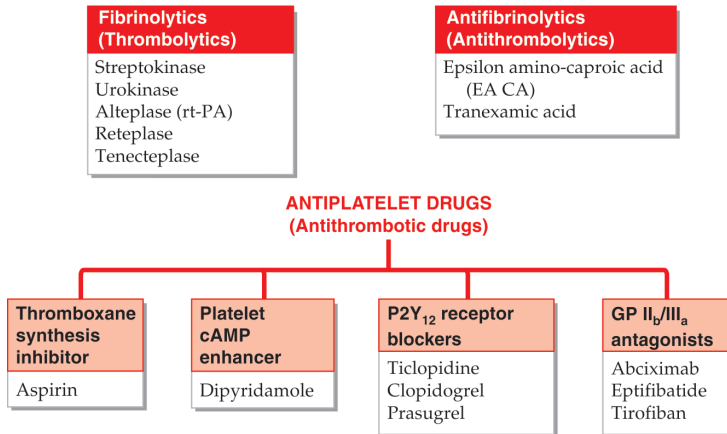
- Vitamin K:** 5–10 mg oral/i.m. repeated as required;
Phytonadione: VITAMIN-K, KVI, K-WIN 10 mg/ml for i.m. injection.
Menadione: 0.66 mg in GYNAE CVP with vit C 75 mg, ferrous gluconate 67 mg, cal. lactate 300 mg and citras bioflavonoid 150 mg per cap.
Acetomenaphthone: ACETOMENADIONE 5, 10 mg tab; KAPILIN 10 mg tab.
Menadione sod. bisulfite: 20 mg, in CADISPER-C with vit C 100 mg, adrenochrome monosemicarbazone, 1 mg, rutin 60 mg, methylhesperidin 40 mg, cal. phosphate 100 mg per tab.
STYPTOCID 10 mg with adrenochrome monosemicarbazone 0.5 mg, rutin 50 mg, vit C 37.5 mg, vit D 200 i.u., cal. phosphate 260 mg per tab.
- Fibrinogen:** 0.5 g by i.v. infusion; FIBRINAL 0.5 g Vac.
- Antihaemophilic factor:** 5–10 U/kg by i.v. infusion, repeated 6–12 hourly. FIBRINAL-H, ANTIHAEMOPHILIC FACTOR: 150 U or 200 U + fibrinogen 0.5 g/bottle for i.v. infusion.
- Adrenochrome monosemicarbazone:** 1–5 mg oral/i.m.; STYPTOCHROME 3 mg/2 ml inj.
- Rutin:** 60–200 mg BD–TDS oral/i.m.; In CADISPER-C 60 mg tab.
- Ethamsylate:** 250–500 mg TDS oral/i.v.;
ETHAMSYL, DICYNENE, HEMSYL, K. STAT 250, 500 mg tabs; 250 mg/2 ml inj.

ANTICOAGULANTS

Preparations

- Heparin (unfractionated):** 5000–10,000 U (children 50–100 U/kg) i.v. bolus dose followed by 750–1000 U/hr i.v. infusion;
Low dose (s.c.) regimen: 5000 U s.c. every 8–12 hours;
HEPARIN SOD., BEPARINE, NUPARIN 1000 and 5000 U/ml in 5 ml vials for injection.
- Low molecular weight (LMW) heparins:**
Enoxaparin: **CLEXANE 20 mg (0.2 ml) and 40 mg (0.4 ml) prefilled syringes; 20–40 mg OD, s.c. (start 2 hour before surgery).**
Reviparin: **CLIVARINE 13.8 mg (eq. to 1432 anti Xa IU) in 0.25 ml prefilled syringe; 0.25 ml s.c. once daily for 5–10 days.**
Nadroparin: **FRAXIPARINE 3075 IU (0.3 ml) and 4100 IU (0.4 ml) inj., CARDIOPARIN 4000 anti Xa IU/0.4 ml, 6000 anti Xa IU/0.6 ml, 100,000 anti Xa IU/10 ml inj.**
Dalteparin: 2500 IU s.c. OD for prophylaxis; 100 U/Kg 12 hourly or 200 U/Kg 24 hourly s.c. for treatment of deep vein thrombosis. **FRAGMIN 2500, 5000 IU prefilled syringes.**
Parnaparin: 0.6 ml s.c. OD for unstable angina and prophylaxis of DVT; **FLUXUM 3200 IU (0.3 ml), 6400 IU (0.6 ml) inj.**
Ardeparin: 2500–5000 IU s.c. OD; **INDEPARIN 2500 IU, 5000 IU prefilled syringes.**
- Fondaparinux:** 5–10 mg s.c. once daily; **FONDAPARINUX, ARIXTRA 5 mg/0.4 ml, 7.5 mg/0.6 ml and 10 mg/0.8 ml prefilled single dose syringe.**
- Bishydroxycoumarin (Dicumarol):** 200 mg for 2 days followed by 50–100 mg/day oral; **DICOUMAROL 50 mg tab.**
- Warfarin sod. (racemic):** 5–10 mg followed by 2–10 mg/day; **UNIWARFIN 1, 2, 5 mg tabs, WARF-5 5 mg tab.**

6. Acenocoumarol (Nicoumalone): 8–12 mg followed by 2–8 mg/day; **ACITROM, NISTROM 1, 2, 4 mg tabs.**
7. Ethylbiscoum acetate: 900 mg followed by 300–600 mg/day.
8. Sodium citrate: 1.65 g for 350 ml of blood (for transfusion); **ANTICOAGULANT ACID CITRATE DEXTROSE SOLUTION 2.2 g/100 ml (75 ml is used for 1 unit of blood).**
9. Sodium oxalate: 10 mg for 1 ml blood (for blood counts etc.).
10. Sodium edetate: 2 mg for 1 ml blood (for investigations).



Fibrinolytics

1. **Streptokinase:** *For myocardial infarction:* 7.5–15 lac IU infused i.v. over 1 hr. *For deep vein thrombosis and pulmonary embolism:* 2.5 lac IU loading dose over 1/2–1 hr, followed by 1 lac IU/hr for 24 hr; **STREPTASE, (freeze dried powder in vials) 2.5 lac, 7.5 lac and 15 lac IU/vial, ESKINASE, CARDIOSTREP 7.5 lac, 15 lac IU/vial.**
2. **Urokinase:** *For myocardial infarction:* 2.5 lac IU i.v. over 10 min followed by 5 lac IU over next 60 min (stop in between if full recanalization occurs) or 6000 IU/min for upto 2 hr.
For venous thrombosis and pulmonary embolism: 4400 IU/kg over 10 min i.v. followed by 4400 IU/kg/hr for 12 hr; **UROKINASE, UROPASE, 2.5 lac, 5 lac, 7.5 lac, 10 lac IU per vial inj.**
3. **Alteplase (recombinant tissue plasminogen activator (rt-PA):** *For MI:* 15 mg i.v. bolus injection followed by 50 mg over 30 min, then 35 mg over the next 1 hr. *For pulmonary embolism:* 100 mg i.v. infused over 2 hr; **ACTILYSE 50 mg vial with 50 ml solvent water.**
4. **Reteplase:** 10 mg i.v. over 10 min, repeat after 30 min.
5. **Tenecteplase:** 0.5 mg/kg single i.v. bolus injection. **ELAXIM 30 mg, 50 mg per vial inj.**

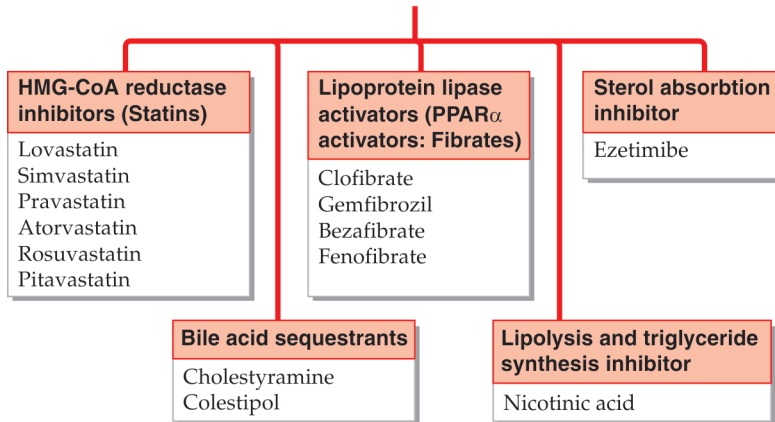
Antifibrinolytics

1. **Epsilon amino-caproic acid (EACA):** Initial priming dose is 5 g oral/i.v., followed by 1 g hourly till bleeding stops (max. 30 g in 24 hrs).
AMICAR, HEMOCID, HAMOSTAT 0.5 g tab., 1.25 g/5 ml syr., 5 g/20 ml inj.
2. **Tranexamic acid:** 10–15 mg/kg 2–3 times a day or 1–1.5 g TDS oral, 0.5–1 g TDS by slow i.v. infusion.
DUBATRAN, PAUSE, TRANAREST 500 mg tab, 500 mg/5 ml inj.

Antiplatelet Drugs

1. **Aspirin:** 75–150 mg OD oral; ASA 50 mg tab., COLSPRIN, DISPRIN CV–100: 100 mg soluble tab, LOPRIN 75 mg tab, ASPICOT 80 mg tab, ECOSPRIN 75, 150 mg tab.
2. **Dipyridamole:** 150–300 mg/day; PERSANTIN, 25, 100 mg tabs, THROMBONIL 75, 100 mg tabs; DYNASPRIN: dipyridamole 75 mg + aspirin 60 mg e.c. tab. CARDIWELL PLUS: dipyridamole 75 mg + aspirin 40 mg tab.
3. **Ticlopidine:** 250 mg BD with meals; TYKLID, TICLOVAS, TICLOP, 250 mg tab; ASTIC ticlopidine 250 mg + aspirin 100 mg tab.
4. **Clopidogrel:** 75 mg OD, CLODREL, CLOPILET, DEPLATT 75 mg tab; Clopidogrel 75 mg + aspirin 75 mg: CLODREL PLUS, CLOPITAB-A, THROMBOSPRIN, SYNPLATT tab.
5. **Prasugrel:** 10 mg OD: elderly and those below 60 kg body weight 5 mg OD; for urgent action 60 mg single loading dose; PRASULET, PRASUSAFE, PRASUREL 5 mg, 10 mg tabs.
6. **Abciximab:** (Glycoprotein II_b/III_a receptor antagonist) 0.25 mg/kg i.v. 10–60 min before PTCA, followed by 10 µg/min for 12 hr; REOPRO 2 mg/ml inj.
7. **Eptifibatide:** Initially 180 µg/kg/i.v. followed by 2 µg/kg/min i.v. infusion for upto 72 hours; CLOTIDE, UNIGRILIN, COROMAX 20 mg/10 ml and 75 mg/100 ml inj.
8. **Tirofiban:** Initially 0.4 µg/kg/min i.v. infusion for 30 min, followed by 0.1 µg/kg/min infusion for 48–108 hours. AGGRAMED, AGGRITOR, AGGRIBLOC 5 mg/100 ml infusion.

HYPOLIPIDAEMIC DRUGS



Preparations

1. Lovastatin: 10–40 mg/day; **ROVACOR, AZTATIN, LOVAMEG** 10, 20 mg tabs.
2. Simvastatin: 5–20 mg/day (max 80 mg); **SIMVOTIN, SIMCARD, ZOSTA** 5, 10, 20 mg tabs.
3. Pravastatin: 10–40 mg/day; **PRAVATOR** 10, 20 mg tabs.
4. Atorvastatin: 10–40 mg/day (max 80 mg); **AZTOR, ATORVA, ATORLIP** 5, 10, 20 mg tabs.
5. Rosuvastatin: 5–20 mg/day (max. 40 mg/day); **ROSUVAS, ROSYN** 5, 10, 20 mg tab.

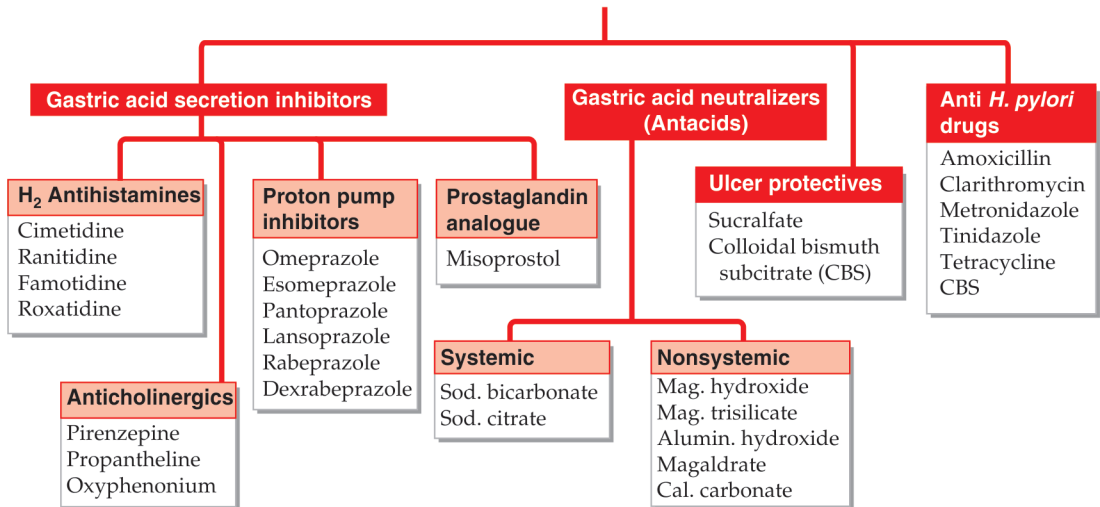
6. Pitavastatin: 1–4 mg/day; FLOVAS 1.0, 2.0 mg tabs.
7. Gemfibrozil: 600 mg BD; GEMPAR, NORMOLIP, 300 mg cap., LOPID 300 mg cap, 600 mg and 900 mg tabs.
8. Bezafibrate: 200 mg TDS with meals; BEZALIP 200 mg tab, 400 mg (retard) tab.
9. Fenofibrate: 200 mg OD with meals; FENOLIP, LIPICARD 200 mg cap.
10. Nicotinic acid: Start with 100 mg TDS, gradually increase to 2–6 g per day in divided doses. It should be taken just after food to minimize flushing and itching;
NIALIP, NEASYN-SR, 375, 500 mg tabs.
11. Ezetimibe: 10 mg OD; ZETICA, EZEDOC 10 mg tab.
Ezetimibe 10 mg + atorvastatin 10 mg: BITORVA, LIPIVAS-EZ, LIPONORM-EZ;
Ezetimibe 10 mg + simvastatin 10 mg: STARSTAT-EZ, SIMVAS-EZ.

Plasma Expanders

1. Human Albumin: 5–20% by i.v. infusion; ALBUDAC, ALBUPAN (20%) 50, 100 ml inj., ALBUMED 5%, 20% infusion (100 ml).
2. Dextran-70 (MW 70,000): 6% by i.v. infusion; DEXTRAN-70, LOMODEX- 70; 6% solution in dextrose or saline, 540 ml vac.
Dextran-40 (MW 40,000; low MW dextran): 10% by i.v. infusion LOMODEX 10% solution in dextrose or saline, 540 ml vac.
3. Polygeline (degraded gelatin polymer): 3.5% by i.v. infusion; HAEMACCEL, SERACCEL 500 ml vac. (as 3.5% solution in balanced electrolyte medium).
4. Hetastarch: 6% by i.v. infusion; EXPAN 6% in 100, 500 ml vac.

10 Gastrointestinal Drugs

DRUGS FOR PEPTIC ULCER



Preparations

- 1. Cimetidine:** 400 mg BD or 800 mg OD at bed time, 50 mg/hour i.v. infusion;
CIMETIDINE, 200 mg, 400 mg, 800 mg tabs, 200 mg/2 ml inj.
- 2. Ranitidine:** *For ulcer healing*–150 mg BD or 300 mg at bed time; *For prevention of ulcer recurrence*–150 mg at bed time; *For Zollinger-Ellison syndrome*–300 mg TDS or QID; Parenteral dose 50 mg i.m. or slow i.v. injection every 6–8 hours or 0.1–0.25 mg/kg/hr i.v. infusion; *ULTAC, ZINETAC 150 mg, 300 mg tabs; HISTAC, RANTAC, RANITIN, ACILOC 150 mg, 300 mg tabs, 50 mg/2 ml inj.*
- 3. Famotidine:** 40 mg at bed time or 20 mg BD (for healing); 20 mg at bed time for maintenance; upto 480 mg/day in ZE syndrome; parenteral dose 20 mg i.v. 12 hourly, or 2 mg/hr i.v. infusion.
FAMTAC, FAMONITE, TOPCID 20 mg, 40 mg tabs; FAMOCID, FACID 20, 40 mg tabs, 20 mg/2 ml inj.
- 4. Roxatidine:** 150 mg at bed time or 75 mg BD; maintenance 75 mg at bed time.
ROTANE, ZORPEX 75 mg, 150 mg SR tabs.
- 5. Omeprazole:** 20–60 mg/day, ZE syndrome 60–120 mg/day in two divided doses; *OMIZAC, NILSEC 20 mg cap. OMEZ, OCID, OMEZOL 10, 20 mg caps, PROTOLOC 20, 40 mg caps containing enteric coated granules. Capsules must not be opened or chewed; to be taken in the morning before meals.*
Esomeprazole (s-omeprazole): 20–40 mg OD; *NEXPRO, RACIPER, IZRA 20, 40 mg tab.*
- 6. Lansoprazole:** Ulcer healing dose: 15–30 mg OD; *LANZOL, LANZAP, LEVANT, LANPRO 15, 30 mg caps.*
- 7. Pantoprazole:** 40 mg OD; *PANTOCID, PANTODAC 20, 40 mg enteric coated tab; PANTIUM, PANTIN 40 mg tab, 40 mg inj for i.v. use.*
S(-) Pantoprazole: 20 mg OD; *PANPURE, ZOSECTA 20 mg tab.*
- 8. Rabeprazole:** 20 mg OD, ZE syndrome 60 mg/day;
RABLET, RAZO, RABLOC, RABICIP, HAPPI 10, 20 mg tab, 20 mg/ml vial for inj.

9. **Dexrabeprazole:** 10–20 mg OD; **DEXPURE**, 5, 10 mg tabs.
10. **Misoprostol (Methyl PGE₁ ester):** 200 µg QID; **CYTOLOG** 200 µg tab; **MISOPROST** 100 µg, 200 µg tabs.
11. **Magnesium hydroxide:** 0.4–1.0 g as often as required; **MILK OF MAGNESIA** 0.4 g/5 ml suspension.
12. **Aluminium hydroxide gel:** 0.6–2.4 g as required; **ALUDROX** 0.84 g tab, 0.6 g/10 ml suspension.
13. **Magaldrate:** 0.4–0.8 g as required; **STACID** 400 mg tab, 400 mg/5 ml susp;
ULGEL 400 mg with 20 mg simethicone per tab or 5 ml susp.
14. **Combination antacid preparations**
 - ACIDIN:** Mag. carb. 165 mg, dried alum. hydrox. gel 232 mg, cal. carb. 165 mg, sod. bicarb. 82 mg, with kaolin 105 mg and belladonna herb 30 µg per tab.
 - ALMACARB:** Dried alum. hydrox. gel 325 mg, mag. carb. 50 mg, methyl polysilox. 40 mg, deglycyrrhizinated liquorice 380 mg per tab.
 - ALLUJEL-DF:** Dried alum. hydrox. gel 400 mg, mag. hydrox. 400 mg, methyl polysilox. 30 mg per 10 ml susp.
 - DIGENE:** Dried alum. hydrox. gel 300 mg, mag. alum. silicate 50 mg, mag. hydrox. 25 mg, methylpolysilox. 10 mg per tab.
 - DIGENE GEL:** Mag. hydrox. 185 mg, alum. hydrox. gel 830 mg, sod. carboxymethyl cellulose 100 mg, methylpolysilox. 25 mg per 10 ml susp.
 - GELUSIL:** Dried alum. hydrox. gel 250 mg, mag. trisilicate 500 mg per tab.
 - GELUSIL LIQUID:** Mag. trisilicate 625 mg, alum. hydrox. gel 312 mg per 5 ml susp.
 - MUCAINE:** Alum. hydrox. 290 mg, mag. hydrox. 98 mg, oxethazaine 10 mg per 5 ml susp.
 - TRICAINE-MPS:** Alum. hydrox. gel 300 mg, mag. hydrox. 150 mg, oxethazaine 10 mg, simethicone 10 mg per 5 ml gel.
 - MAYLOX:** Dried alum. hydrox. gel 225 mg, mag. hydrox. 200 mg, dimethicone 50 mg per tab and 5 ml susp.
 - POLYCROL FORTE GEL:** Mag. hydrox. 100 mg, dried alum. hydrox. gel 425 mg, methylpolysilox. 125 mg per 5 ml susp.

15. **Sucralfate:** Ulcer healing dose: 1 g taken 1 hour before 3 major meals and at bed time; To prevent recurrences 1 g BD; **SUCRACE, ULCERFATE, RECUFATE 1 g tab.**
16. **Colloidal bismuth subcitrate (CBS, Tripotassium dicitrato-bismuthate):** 120 mg (as Bi₂O₃) taken 30 min before 3 major meals and at bed time; **TRYMO, DENOL 120 mg tab.**

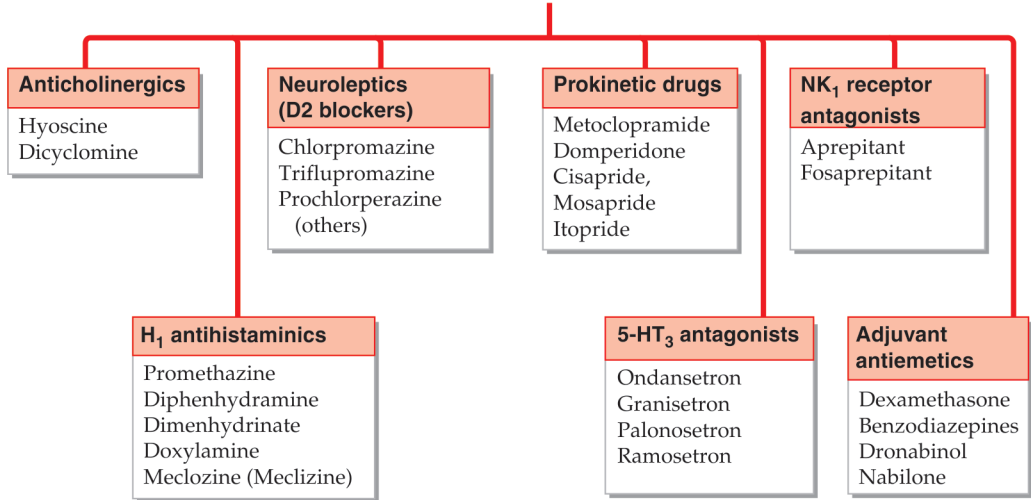
Anti-H. pylori antimicrobials

Amoxicillin:	750–1000 mg BD
Clarithromycin:	500 mg BD
Tetracycline:	500 mg QID
Metronidazole:	400 mg TDS
Tinidazole:	500 mg BD

Regimens consist of two of the above antimicrobials taken along with a proton pump inhibitor for 1–3 weeks.

Anti-H. pylori kits (one kit to be taken daily in 2 doses)

HP-KIT, HELIBACT, OMXITIN: Omeprazole 20 mg 2 cap + Amoxicillin 750 mg 2 tab + Tinidazole 500 mg 2 tab.
PYLOMOX: Lansoprazole 15 mg 2 cap + Amoxicillin 750 mg 2 tab + Tinidazole 500 mg 2 tab.
LANSI KIT: Lansoprazole 30 mg 1 cap + Amoxicillin 750 mg 1 tab + Tinidazole 500 mg 1 tab (one kit twice a day)
PYLOKIT, HELIGO: Lansoprazole 30 mg 2 cap + Clarithromycin 250 mg 2 cap + Tinidazole 500 mg 2 tab.
LANPRO AC: Lansoprazole 30 mg 2 cap + Clarithromycin 250 mg 2 tab + Amoxicillin 750 mg 2 tab.

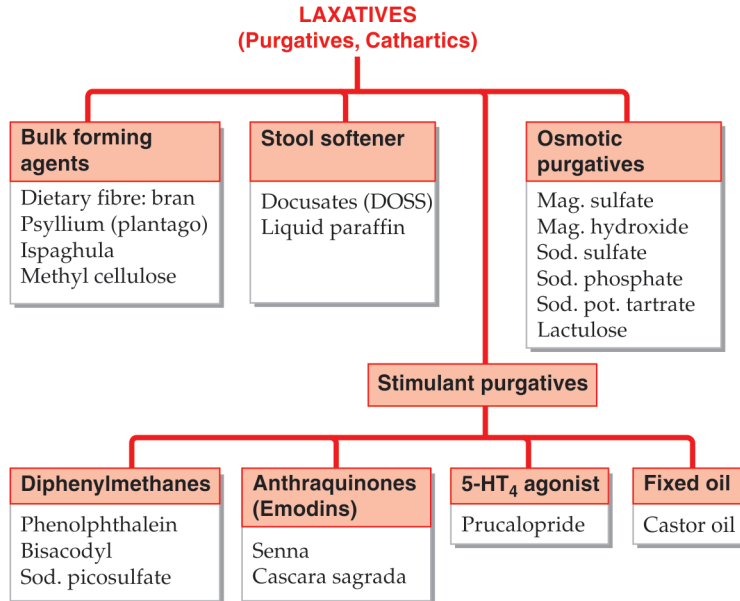
ANTIEMETICS

Preparations

1. **Hyoscine:** 0.2–0.4 mg oral/i.m./transdermal patch.
2. **Dicyclomine:** 10–20 mg oral.
3. **Promethazine theoclate:** 25–50 mg oral; **AVOMINE 25 mg tab.**
4. **Diphenhydramine:** 25–50 mg oral.
5. **Dimenhydrinate:** 25–50 mg oral.
6. **Meclozine:** 25–50 mg oral; **PREGNIDOXIN:** Meclozine 25 mg + caffeine 20 mg tab; **DILIGAN:** Meclozine 12.5 mg + nicotinic acid 50 mg.
7. **Doxylamine:** 10–20 mg at bed time (for morning sickness);
DOXINATE, GRAVIDOX, VOMNEX, NOSIC 10 mg tab (with pyridoxine 10 mg)
8. **Cinnarizine:** 25–50 mg oral.
9. **Chlorpromazine:** 10–25 mg oral/i.m.
10. **Prochlorperazine:** 5–10 mg BD/TDS oral, 12.5–25 mg by deep i.m. inj.;
STEMETIL 5 mg tab, 12.5 mg/ml inj in 1 ml amp, VOMTIL 5 mg tab.
11. **Metoclopramide:** 10 mg (children 0.25–0.5 mg/kg) TDS oral or i.m. For chemotherapy induced vomiting 0.3–2.0 mg/kg i.v./i.m.; **PERINORM, MAXERON, REGLAN, SIGMET, 10 mg tab; 5 mg/5 ml syr; 10 mg/2 ml inj; 50 mg/10 ml inj.**
12. **Domperidone:** 10–40 mg (Children 0.3–0.6 mg/kg) TDS;
DOMSTAL, DOMPERON, NORMETIC 10 mg tab, 1 mg/ml susp, MOTINORM 10 mg tab, 10 mg/ml drops.
13. **Mosapride:** 5 mg (elderly 2.5 mg) TDS; **MOZA, MOZASEF, MOPRIDE 2.5 mg, 5 mg tabs; MOZA MPS: 5 mg + methylpolysiloxane 125 mg tab.**
14. **Itopride:** 50 mg TDS; **ITOFLEX, ITOKINE, ITOPRID, GANATON 50 mg tab.**

15. **Ondansetron:** For cisplatin and other highly emetogenic drugs—8 mg i.v. by slow injection over 15 min ½ hr before chemotherapeutic infusion, followed by 2 similar doses 4 hour apart. To prevent delayed emesis 8 mg oral is given twice a day for 3–5 days. For postoperative nausea/vomiting 4–8 mg i.v. given before induction is repeated 8 hourly. For less emetogenic drugs and for radiotherapy an oral dose of 8 mg is given 1–2 hr prior to the procedure and repeated twice 8 hrly.
EMESET, VOMIZ, OSETRON, EMSETRON 4, 8 mg tabs, 2 mg/ml inj in 2 ml and 4 ml amps; ONDY, EMESET 2 mg/5 ml syr.
16. **Granisetron:** 1–3 mg diluted in 20–50 ml saline and infused i.v. over 5 min before chemotherapy, repeated after 12 hr. For less emetogenic regimen 2 mg oral 1 hr before chemotherapy or 1 mg before and 1 mg 12 hr after it. For post-operative vomiting 1 mg diluted in 5 ml and slowly injected i.v. followed by 1 mg orally every 12 hours.
GRANICIP, GRANISSET 1 mg, 2 mg tabs; 1 mg/ml inj. (1 ml and 3 ml amps).
17. **Palonosetron:** 250 µg by slow i.v. inj 30 min before chemotherapy; not to be repeated before 7 days. For post-operative vomiting 75 µg single injection. **PALONOX 0.25 mg/ml inj; PALZEN 0.25 mg/50 ml inj.**
18. **Ramosetron:** 0.3 mg i.v. before chemotherapy or surgery, may be repeated once daily, 0.1 mg oral for less emetogenic chemotherapy; **NOZIA 0.1 mg tab, 0.3 mg in 2 ml amp.**
19. **Aprepitant:** 125 mg oral before chemotherapy and 80 mg on 2nd and 3rd day alongwith i.v. ondansetron + dexamethasone. For postoperative vomiting 40 mg single oral dose before surgery;
APRECAP, APRESET, APRELIFE 125 mg (one cap) + 80 mg (2 caps) Kit.
20. **Dexamethasone:** 8–20 mg i.v. 1/2–1 hour before emetogenic chemotherapy, generally to supplement metoclopramide/ondansetron.
21. **Diazepam:** 5–10 mg oral to supplement metoclopramide/ondansetron.
22. **Dronabinol:** 5–10 mg/m² body surface area orally for moderately emetogenic chemotherapy in patients non-responsive to other drugs.

Note: See Index for preparations of other drugs.



Preparations

1. **Psyllium hydrophilic mucilloid:** 6–12 g to be taken just after mixing with water; **ISOVAC** 65 g/100 g granules.
2. **Ispaghula (refined husk):** 3–12 g freshly mixed with water or milk 2–3 times a day;
ISOGEL (27 g/30 g), **NATURE CURE** (49 g/100 g), **FYBOGEL** (3.5 g/5.4 g) powder **FIBRIL** (3.4 g/11 g) powder.
3. **Methyl cellulose:** 4–6 g/day mixed with water.
4. **Docusates (Diocetyl sodium sulfosuccinate, DOSS):** 100–400 mg/day;
CELLUBRIL 100 mg cap; **LAXICON** 100 mg tab, **DOSLAX** 150 mg cap. As enema 50–150 mg in 50–100 ml; **LAXICON** 125 mg in 50 ml enema.
5. **Liquid paraffin:** 15–30 ml/day as such or in emulsified form.
6. **Phenolphthalein:** 60–130 mg; **LAXIL** 130 mg tab. To be taken at bedtime (tab. not to be chewed).
7. **Bisacodyl:** 5–15 mg; **DULCOLAX** 5 mg tab; 10 mg (adult) 5 mg (child) suppository;
CONLAX 5 mg, 10 mg suppository, **BIDLAX-5** 5 mg tab.
8. **Sodium picosulfate:** 5–10 mg at bed time; **CREMALAX**, **LAXICARE** 10 mg tab, **PICOFIT** 5 mg/5 ml syr.
9. **Senna (as Sennosides Cal. salt):** 10–40 mg at bed time;
GLAXENNA 11.5 mg tab; **PURSENNID** 18 mg tab; **SOFSENA** 12 mg tab.
10. **Mag. sulfate (Epsom salt):** 5–15 g dissolved in 150–200 ml water, taken in the morning.
11. **Mag. hydroxide (as 8% W/W suspension—milk of magnesia)** 30 ml.
12. **Sod. sulfate (Glauber's salt):** 10–15 g dissolved in 150–200 ml water, taken in the morning.
13. **Sod. phosphate:** 6–12 g dissolved in 150–200 ml water, taken in the morning.
14. **Sod. pot. tartrate (Rochelle salt):** 8–15 g dissolved in 150–200 ml water, taken in the morning.

15. **Lactulose:** 10 g BD taken with water;

LACSAN, MTLAC 10 g/ 15 ml liquid, DUPHALAC, LIVOLUK 6.67 g/10 ml liq.

Some combined preparations

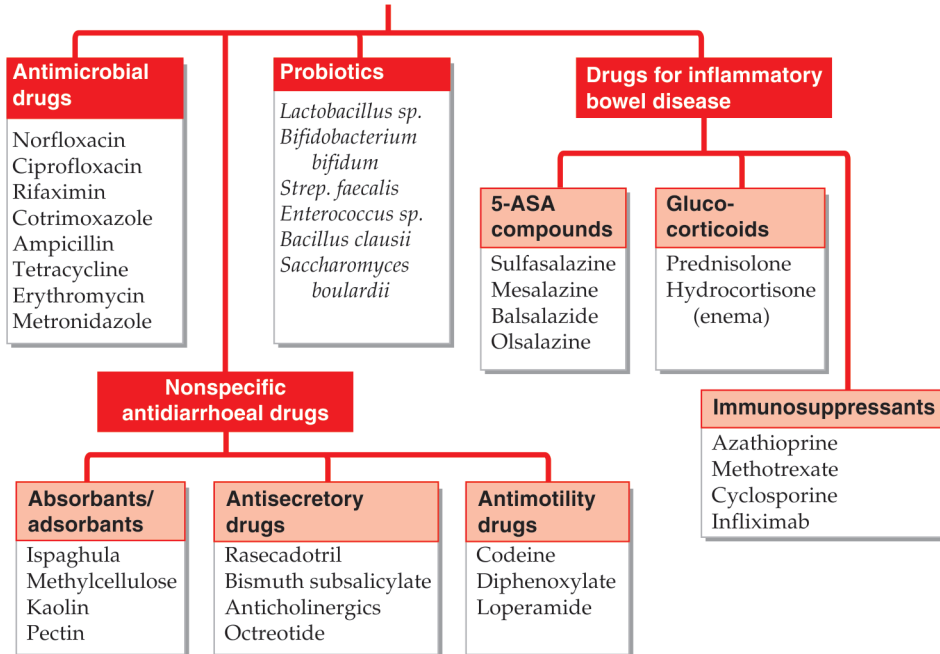
AGAROL: Liquid paraffin 9.5 ml, phenolphthalein 400 mg, agar 60 mg per 30 ml emulsion.

CREMAFFIN: Milk of magnesia 11.25 ml, liq. paraffin 3.75 ml per 15 ml emulsion; CREMAFFIN PINK with phenolphthalein 50 mg per 15 ml.

JULAX: Bisacodyl 10 mg, casanthranol 10 mg dragees.

PURSENNID-IN (with DOS): Purified senna ext. (cal salt) 18 mg, docusates 50 mg tab.

DRUGS FOR DIARRHOEA



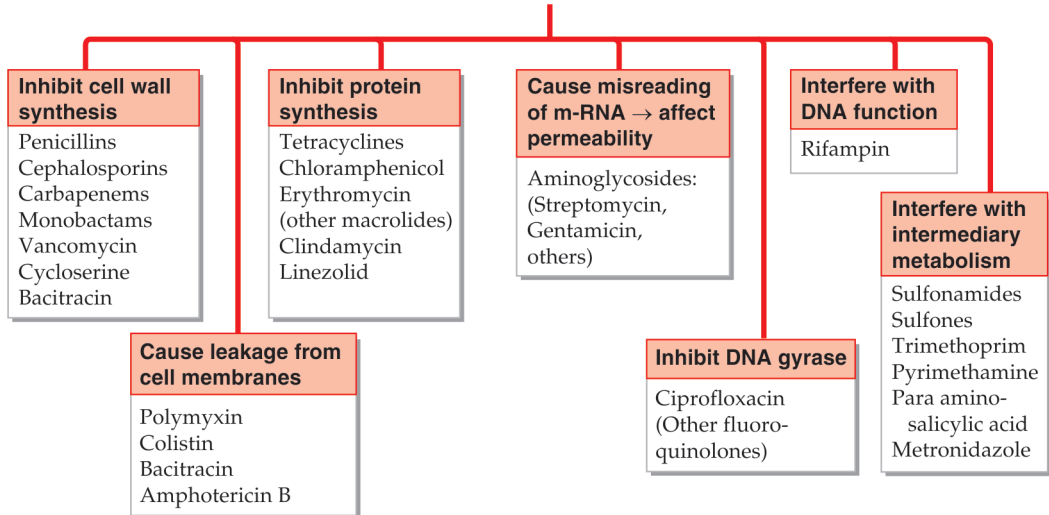
Preparations

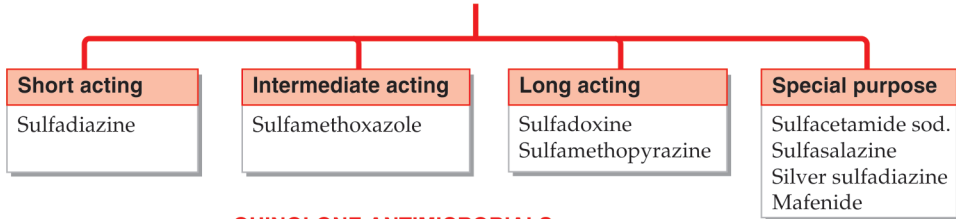
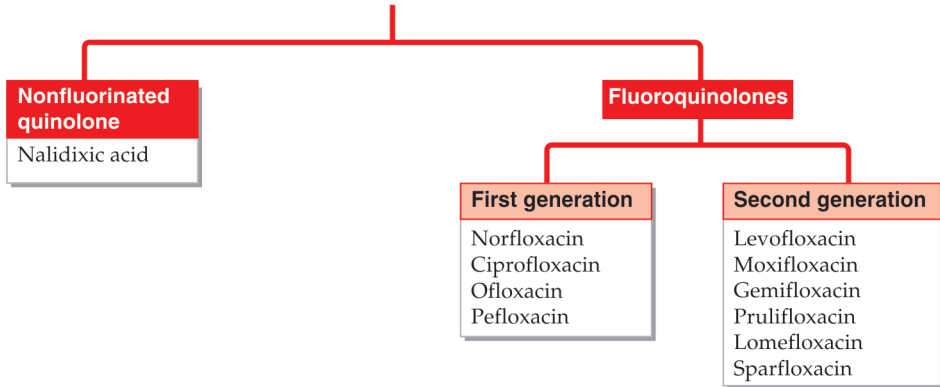
1. **Rifaximin:** For traveller's diarrhoea 200 mg TDS for 3 days. For suppressing ammonia forming gut bacteria 550 mg TDS. **RIFAGUT 200 mg, 550 mg tabs; TORFIX, RACFAX 200 mg tab.**
2. **Probiotics:**
 - **ECONORM, STIBS:** *Saccharomyces boulardii* 250 mg sachet.
 - **BIFILAC:** *Lactobacillus* 50 million (M), *Streptococcus faecalis* 30M, *Clostridium butyricum* 2M, *Bacillus mesentericus* 1M per cap/sachet.
 - **BIFILIN:** *Lactobacillus sp.* 1 billion (B), *Bifidobacterium bifidum* 1B, *Streptococcus thermophilus* 0.25B, *Saccharomyces boulardii* 0.25B cap and sachet.
 - **ACTIGUT:** *Lactobacillus sp.*, *Bifidobacterium sp.* cap.
 - **ENTEROGERMINA:** *Bacillus clausii* 2B spores/5 ml oral amp.
3. **Sulfasalazine (Salicylazosulfapyridine):** For inflammatory bowel disease—Remission inducing dose 3–4 g/day, maintenance dose 1.5–2 g/day oral; **SALAZOPYRIN, SAZO-EN 0.5 g tab.**
4. **Mesalazine (Mesalamine):** 1.2–2.4 g/day oral; 4 g by retention enema; **MESACOL 0.4 g and 0.8 g tab, 0.5 g suppository; ASACOL, TIDOCOL 0.4 g tab, ETISA 0.5 g sachet; MESACOL ENEMA 4 g/60 ml.**
5. **Balsalazide:** 1.5 g BD–2.25 g TDS; **COLOREX 750 mg cap and per 5 ml syr., INTAZIDE 0.75 g tab.**
6. **Racecadotril:** 100 mg (children 1.5 mg/kg) TDS for a maximum of 7 days; **CADOTRIL, RACIGYL 100 mg cap, 15 mg sachet, REDOTIL 100 mg cap, ZEDOTT, ZOMATRIL 100 mg cap, 10 mg and 30 mg sachets and dispersible tabs.**
7. **Codeine:** 60 mg TDS oral.
8. **Diphenoxylate-atropine:** **LOMOTIL 2.5 mg diphenoxylate + 0.025 mg atropine per tab and 5 ml liquid; 2–4 tab followed by 1–2 tab 6 hourly.**
9. **Loperamide:** 4 mg followed by 2 mg after each motion (max. 10 mg in a day); 2 mg BD for chronic diarrhoea. **IMODIUM, LOPESTAL, DIARLOP: 2 mg tab, cap.**

Note: See Index for preparations of other drugs

11 Antibacterial Drugs

ANTIBACTERIAL DRUGS



SULFONAMIDES**QUINOLONE ANTIMICROBIALS**

Preparations

Sulfonamides

1. Sulfadiazine: 0.5–2.0 g TDS; **SULFADIAZINE 0.5 g tab.**
2. Sulfamethoxazole: 1 g BD for 2 days, then 0.5 g BD; **GANTANOL 0.5 g tab.**
3. Sulfacetamide sodium: 6%–30% topically in the eye;
LOCULA, ALBUCID 10%, 20%, 30% eye drops, 6% eye oint.
4. Mafenide: 1% topical application; **SULFAMYLON 1% skin cream.**
5. Silver sulfadiazine: 1% topical application;
SILVIRIN 1% cream, ARGENEX 1% cream with chlorhexidine 0.2%.

Note: See Index for preparations of other sulfonamides.

Cotrimoxazole

(Trimethoprim-Sulfamethoxazole 1:5)

SEPTRAN, SEPMAX, BACTRIM, CIPLIN, ORIPRIM, SUPRISTOL, FORTRIM

Trimethoprim

Sulfamethoxazole

80 mg + 400 mg tab: 2 BD for 2 days then 1 BD.

160 mg + 800 mg tab: double strength (DS); 1 BD.

20 mg + 100 mg pediatric tab.

40 mg + 200 mg per 5 ml susp; infant 2.5 ml (not to be used in new borns), children 1–5 yr 5 ml, 6–12 year 10 ml (all BD).

160 mg + 800 mg per 3 ml for i.m. injection 12 hourly. (**CIPLIN, ORIPRIM-IM**)

80 mg + 400 mg per 5 ml for i.v. injection
(**WK-TRIM, ORIPRIM-IV**) 10–15 ml BD.

Cotrimazine (Trimethoprim-Sulfadiazine 1:5)

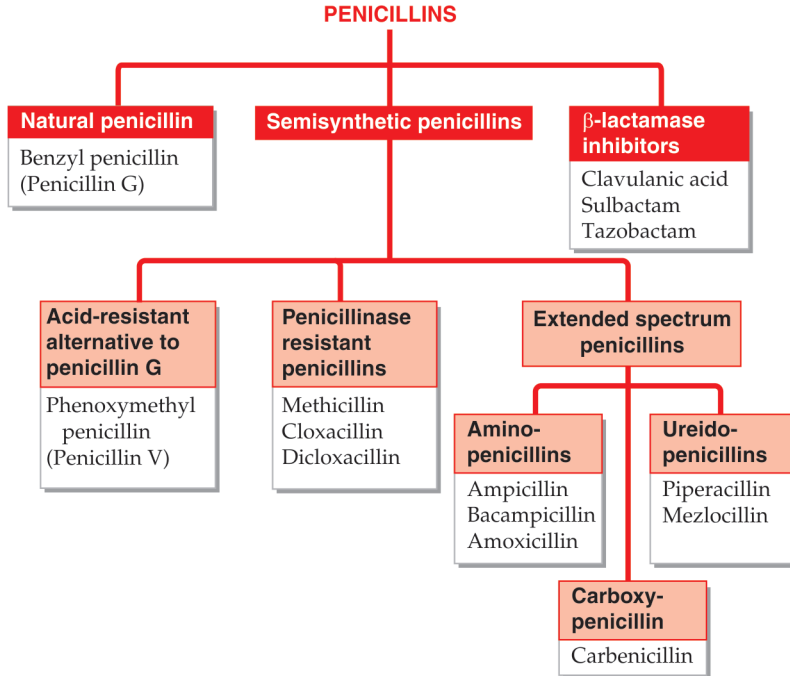
<i>Trimethoprim</i>	<i>Sulfadiazine</i>
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90 mg +	410 mg: AUBRIL tab and per 10 ml susp.; 2 tab BD for 2 days, then 1 BD.
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180 mg +	820 mg: TRIGLOBE FORTE tabs.
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Quinolones Antimicrobials

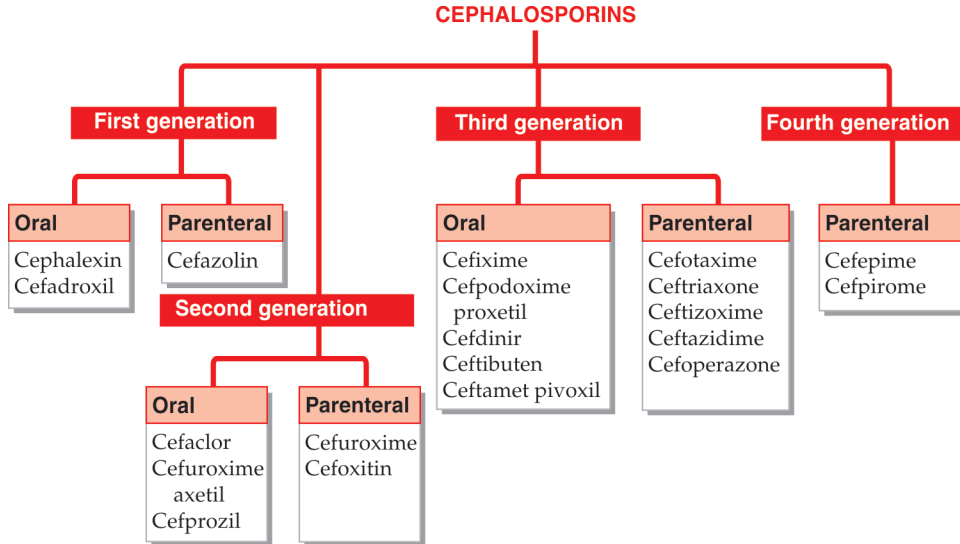
1. **Nalidixic acid:** 0.5–1 g TDS or QID oral; **GRAMONEG** 0.5 g tab, 0.3 g/5 ml susp, **DIARLOP** 0.3 g/5 ml susp.
2. **Ciprofloxacin:** 250–750 mg BD oral, 100–200 mg i.v. by slow infusion; 0.3% topically in eye; **CIFRAN**, **CIPLOX**, **CIPROBID**, **QUINTOR**, **CIPROLET** 250, 500, 750 mg tab, 200 mg/100 ml i.v. infusion, 3 mg/ml eye drops.
3. **Ofloxacin:** 200–400 mg BD oral, 200 mg by slow i.v. infusion; 0.3% topically in eye **ZANOCIN**, **TARIVID**, **OFLOX** 100, 200, 400 mg tab; 200 mg/100 ml i.v. infusion, **ZENFLOX** also 50 mg/5 ml susp., **EXOCIN**, **OFLOX** 0.3% eye drops.
4. **Norfloxacin:** 200–400 mg BD oral, 0.3% topically in eye; **NORBACTIN**, **NORFLOX** 200, 400, 800 mg tab, 100 mg/5 ml susp., 3 mg/ml eye drops. **UROFLOX**, **NORILET** 200, 400 mg tab, **BACIGYL** 400 mg tab, 400 mg/5 ml susp.
5. **Pefloxacin:** 400 mg BD oral, 400 mg i.v. by slow infusion; **PELOX** 200, 400 mg tab, to be taken with meals; 400 mg/5 ml inj (to be diluted in 100–250 ml of glucose solution but not saline), **PERTI** 400 mg tab.
6. **Levofloxacin:** 500 mg OD oral, 500 mg by slow i.v. infusion; **TAVANIC**, **LEVOFLOX**, **LEVODAY**, **GLEVO** 250, 500 mg tab, 500 mg/100 ml inj.
7. **Lomefloxacin:** 400 mg OD oral; **LOMEF**–400, **LOMEDON**, **LOMADAY**, **LOMIBACT**, **LOX** 400 mg tab, 0.3% eye drops.
8. **Sparfloxacin:** 200–400 mg OD oral; **TOROSPAR** 200, 400 mg tab, **SPARTA**, **SPARQUIN**, **SPARDAC** 100, 200 mg tab, **ZOSPAR**, **EYPAR** 0.3% eye drops.
9. **Moxifloxacin:** 400 mg OD oral; **MOXIF** 400 mg tab, **STAXOM** 400 mg tab, 400 mg/250 ml i.v. infusion, **VIGAMOX**, **MOXICIP** 0.5% eye drops.
10. **Gemifloxacin:** 320 mg OD for 5–7 days; **TOPGEM**, **ZEMI**, **GEMBAX**, **GEMETOP** 320 mg tab.
11. **Prulifloxacin:** 600 mg OD; **ALPRULI**, **PRULIFLOX**, **PRULIFACT** 600 mg tab.



Preparations

1. **Sod. penicillin G (crystalline penicillin) injection:** 0.5–5 MU i.m./i.v. 6–12 hourly. **BENZYL PENICILLIN** 0.5, 1.0 MU dry powder in vial to be dissolved in sterile water at the time of injection.
2. **Procaine penicillin G inj:** 0.5–1 MU i.m. 12–24 hourly as aqueous suspension; **PROCAINE PENICILLIN-G** 0.5, 1 MU dry powder in vial.
3. **Fortified procaine penicillin G inj:** contains 3 lac U procaine penicillin and 1 lac U sod. penicillin G, **FORTIFIED P.P. INJ 3+1 lac U vial.**
4. **Benzathine penicillin G:** 0.6–2.4 MU i.m. every 2–4 weeks as aqueous suspension. **PENIDURE-LA** (long acting), **LONGACILLIN**, **PENCOM**, 0.6, 1.2, 2.4 MU as dry powder in vial.
5. **Phenoxymethyl penicillin (Penicillin V):** 250–500 mg, infants 60 mg, children 125–250 mg; given 6 hourly, (250 mg = 4 lac U); **CRYSTAPEN-V**, **KAYPEN**, 125, 250 mg tab, 125 mg/5 ml dry syr—for reconstitution; **PENIVORAL** 65, 130 mg tab.
6. **Cloxacillin:** 0.25–0.5 g orally every 6 hours; for severe infections 0.25–1 g may be injected i.m. or i.v.—higher blood levels are produced; **KLOX**, **BIOCLOX**, 0.25, 0.5 g cap; 0.25, 0.5 g/vial inj. **CLOPEN** 0.25, 0.5 g cap.
7. **Ampicillin:** 0.5–2 g oral/i.m./i.v. depending on severity of infection, every 6 hours; children 50–100 mg/kg/day; **AMPILIN**, **ROSCILLIN**, **BIOCILIN** 250, 500 mg cap; 125, 250 mg/5 ml dry syr; 100 mg/ml pediatric drops; 250, 500 mg and 1.0 g per vial inj.
8. **Ampicillin + cloxacillin:** **AMPILOX**, **DUOCLOX** 250 + 250 mg cap, 500+500 mg DS tab, 125+125 mg kid tab and per 5 ml dry syr, 100 mg + 50 mg/ml pediatric syr, 250 mg + 250 mg per vial inj, 500 mg + 500 mg/vial DS inj, 125 mg + 125 mg/vial pediatric inj., 50 mg + 75 mg/vial neonatal inj.

9. **Bacampicillin:** 400–800 mg BD oral; **PENGLOBE 200, 400 mg tabs.**
10. **Amoxicillin:** 0.25–1 g TDS oral/i.m or slow i.v. injection, children 25–50 mg/kg/day; **AMOXYLIN, NOVAMOX, SYNAMOX 250, 500 mg cap, 125 mg/5 ml dry syr; AMOXIL, MOX 250, 500 mg caps; 125 mg/5 ml dry syr; 250, 500 mg/vial inj. MOXYLONG :** Amoxicillin 250 mg + probenecid 500 mg tab (also 500 mg + 500 mg DS tab).
11. **Amoxicillin + Cloxacillin:** **NOVACLOX 250 + 250 mg cap, 125 + 125 mg pediatric tab, 125 + 125 mg inj, 250 + 250 mg inj, 500 + 500 mg inj.; 50 + 25 mg neonatal inj.**
12. **Carbenicillin:** 1–2 g i.m. or 1–5 g i.v. 4–6 hourly; **CARBELIN 1.0 g, 5.0 g per vial inj.**
13. **Piperacillin:** 100–150 mg/kg/day in 3 divided doses (max 16 g/day) i.m. or i.v. The i.v. route is preferred when > 2 g is to be injected.
PIPRAPEN 1 g, 2 g vials; PIPRACIL 2 g, 4 g vials for inj; contains 2 mEq Na⁺ per g.
14. **Amoxicillin + Clavulanic acid (co-amoxiclav):** **AUGMENTIN, ENHANCIN, AMONATE:** Amoxicillin 250 mg + clavulanic acid 125 mg tab; 1–2 tab TDS, severe infections 4 tabs 6 hourly; **CLAVAM 250 + 125 mg tab, 500 + 125 mg tab, 875 + 125 mg tab, 125 mg + 32 mg per 5 ml dry syr.**
Also **AUGMENTIN, CLAVAM INJ;** Amoxicillin 1 g + clavulanic acid 0.2 g vial and 0.5 g + 0.1 g vial; inject 1 vial deep i.m. or i.v. 6–8 hourly for severe infections.
15. **Ampicillin + Sulbactam:** **SULBACIN, AMPITUM:** Ampicillin 1 g + sulbactam 0.5 g per vial inj; 1–2 vial deep i.m. or i.v. injection 6–8 hourly.
16. **Sultamicillin tosylate (a complex salt of ampicillin and sulbactam):**
BETAMPORAL, SULBACIN 375 mg tab.
17. **Piperacillin + Tazobactam:** 4 g + 0.5 g slow i.v. injection every 8 hours;
PYBACTUM, TAZACT, TAZOBID, ZOSYN 4 g + 0.5 g per vial inj.



Preparations

- Cefazolin:** 0.5 g 8 hourly (mild cases), 1 g 6 hourly (severe cases), children 25–50 mg/kg/day i.m. or i.v.; for surgical prophylaxis 1.0 g half hour before surgery. **ALCIZON, ORIZOLIN, REFLIN** 0.25 g, 0.5 g, 1 g per vial inj.
- Cephalexin:** 0.25–1 g 6–8 hourly (children 25–100 mg/kg/day).
CEPHACILLIN 250, 500 mg cap; **SPORIDEX, ALCEPHIN, CEPHAXIN** 250, 500 mg cap, 125 mg/5 ml dry syr., 100 mg/ml pediatric drops.
ALCEPHIN-LA: Cephalexin + probenecid (250 + 250 mg and 500 + 500 mg) tabs.
- Cefadroxil:** 0.5–1 g BD. **DROXYL** 0.5, 1 g tab, 250 mg/5 ml syr; **CEFADROX** 0.5 g cap, 125 mg/5 ml syr and 250 mg kid tab; **KEFLOXIN** 0.5 g cap, 0.25 g distab, 125 mg/5 ml susp.
- Cefuroxime:** 0.75–1.5 g i.m. or i.v. 8 hourly, children 30–100 mg/kg/day;
CEFOGEN, SUPACEF, FUROXIL 250 mg and 750 mg/vial inj.
- Cefuroxime axetil:** 250–500 mg BD oral, children half dose;
CEFTUM, SPIZEF 125, 250, 500 mg captab and 125 mg/5 ml susp.
- Cefaclor:** 0.25–1.0 g 8 hourly oral; **KEFLOR, VERCEF, DISTACLOR** 250 mg cap, 125 and 250 mg distab, 125 mg/5 ml dry syr, 50 mg/ml ped. drops.
- Cefprozil:** 500 mg OD-BD (20 mg/kg/day); **ORPROZIL** 250, 500 mg tabs.
- Cefotaxime:** 1–2 g i.m./i.v. 6–12 hourly (children 50–100 mg/kg/day);
OMNATAX, ORITAXIM, CLAFORAN 0.25, 0.5, 1.0 g per vial inj.
- Ceftizoxime:** 0.5–1 g i.m./i.v. 8 or 12 hourly; **CEFIZOX, EPOCELIN** 0.5 and 1 g per vial inj.
- Ceftriaxone:** Skin/soft tissue/urinary infections: 1–2 g i.v./i.m. per day;
Meningitis: 4 g followed by 2 g i.v. (children 75–100 mg/kg) once daily for 7–10 days.
Typhoid: 4 g i.v. daily × 2 days followed by 2 g/day (children 75 mg/kg) till 2 days after fever subsides.

- OFRAMAX, MONOCEF, MONOTAX 0.25, 0.5, 1.0 g per vial inj.
Ceftriaxone 250 mg + Sulbactam 125 mg and 1 g + 500 mg: CEFTICHEK, SUPRAXONE vials for inj.
Ceftriaxone 1 g + Tazobactam 125 mg: EXTACEF-TAZO, FINECEF-T, MONTAZ vials for i.m./i.v. inj.
11. **Ceftazidime:** 0.5–2 g i.m. or i.v. every 8 hr, children 30 mg/kg/day. Resistant typhoid 30 mg/kg/day.
FORTUM, CEFAZID, ORZID 0.25, 0.5 and 1 g per vial inj.
 12. **Cefoperazone:** 1–3 g i.m./i.v. 12 hourly; MAGNAMYCIN 0.25 g, 1, 2 g inj; CEFOMYCIN, NEGAPLUS 1 g inj.
Cefoperazone 500 mg + Sulbactam 500 mg: CEFOBETA, KEFBACTUM vial for inj, also CEFACTUM 1 g + 1 g vial for inj.
 13. **Cefixime:** 200–400 mg BD; TOPCEF, ORFIX 100, 200 mg tab/cap, CEFSPAN 100 mg cap, 100 mg/5 ml syr, TAXIM-O 100, 200 mg tab, 50 mg/5ml dry syr.
 14. **Cefpodoxime proxetil:** 200 mg BD (max 800 mg/day); CEFOPROX, CEPODEM, DOXCEF 100, 200 mg tab 50 mg/5 ml and 100 mg/5 ml dry syr.
 15. **Cefdinir:** 300 mg BD: SEFDIN, ADCEF 300 mg cap, 125 mg/5 ml susp.
 16. **Ceftibuten:** 200 mg BD or 400 mg OD; PROCADAX 400 mg cap, 90 mg/5 ml powder for oral suspension.
 17. **Ceftamet pivoxil:** 500 mg TDS oral; ALTAMET 250 mg tab, CEPIME-O 500 mg tab.
 18. **Cefepime:** 1–2 g (50 mg/kg) i.v. 8–12 hourly; KEFAGE, CEFICAD, CEPIME 0.5, 1.0 g inj.
 19. **Cefpirome:** 1–2 g i.m./i.v. 12 hourly; CEFROM, CEFORTH 1.0 g inj., BACIROM, CEFOR 0.25, 0.5, 1.0 g inj.

Monobactam

Aztreonam: 0.5–2 g i.m. or i.v. 6–12 hourly; AZENAM, TREZAM 0.5, 1.0, 2.0 g per vial inj.

Carbapenems

1. **Imipenem-cilastatin:** 0.5 g i.v. 6 hourly (max 4 g/day). IMINEM 250 + 250 mg and 500 + 500 mg/vial inj., LASTINEM 125 + 125 mg, 250 + 250 mg, 500 + 500 mg and 1 g + 1 g per vial inj.

2. **Meropenem:** 0.5–2 g i.v. 8 hourly (10–20 mg/kg every 8 hours); **MERONEM, UBPENEM 0.5, 1.0 g per vial inj.**
3. **Faropenem:** 150–300 mg TDS oral; **FARONEM, FAROZET 150, 200 mg tab.**
4. **Doripenem:** 500 mg slow i.v. infusion over 1 hour every 8 hours; **DORIGLEN 500 mg/vial inj., SUDOPEN 250, 500 mg/vial inj.**

Aminoglycoside Antibiotics

	Systemic aminoglycosides		Topical aminoglycosides	
Streptomycin	Gentamicin	Kanamycin	Neomycin	Framycetin
Tobramycin	Amikacin	Sisomicin		
Netilmicin	Paromomycin			

Preparations

1. **Streptomycin:** Acute infections: 1 g (0.75 g in those above 50 yr age) i.m. (15 mg/kg) BD for 7–10 days.
Tuberculosis: 1 g or 0.75 g i.m. OD or thrice weekly for 30–60 days;
AMBISTRYN-S 0.75, 1 g dry powder per vial for inj.
2. **Gentamicin:** 3–5 mg/kg/day i.m. in a single dose or divided in 8 hourly doses or in an i.v. line over 30–60 min (dose reduction needed in elderly and in renal insufficiency), 0.1–0.3% topically in eye or on skin.
GARAMYCIN, GENTASPORIN, GENTICYN 20, 60, 80, 240 mg per vial inj; also 0.3% eye/ear drops, 0.1% skin cream.
3. **Kanamycin:** 0.5 g i.m. BD (15 mg/kg/day): **KANAMYCIN, KANCIN, KANAMAC 0.5, 0.75, 1 g inj.**
4. **Tobramycin:** 3–5 mg/kg/day i.m. in 1–3 doses; **TOBACIN 20, 60, 80 mg in 2 ml inj. 0.3% eye drops. TOBRANEG 20, 40, 80 mg per 2 ml inj., TOBRABACT 0.3% eye drops.**
5. **Amikacin:** 15 mg/kg/day i.m. in 1–3 doses; urinary tract infection 7.5 mg/kg/day;
AMICIN, MIKACIN, MIKAJECT 100 mg, 250 mg, 500 mg in 2 ml inj.

6. **Sisomicin:** 3–5 mg/kg/day i.m.; **ENSAMYCIN, SISOPTIN** 50 mg, 10 mg (pediatric) per ml in 1 ml amps.
7. **Netilmicin:** 4–6 mg/kg/day i.m. in 1–3 doses; **NETROMYCIN** 10, 25, 50 mg in 1 ml, 200 mg in 2 ml and 300 mg in 3 ml inj., **NETICIN** 200 mg (2 ml), 300 mg (3 ml) inj.
8. **Neomycin:** 0.25–1 g QID oral, 0.3–0.5% topical.
NEOMYCIN SULPHATE 350, 500 mg tab, 0.3% skin oint, 0.5% skin cream, eye oint.
NEBASULF: Neomycin sulph. 5 mg, bacitracin 250 U, sulfacetamide 60 mg/g oint. and powder for surface application.
POLYBIOTIC CREAM: Neomycin sulph. 5 mg, polymyxin 5,000 IU, gramicidin 0.25 mg/g cream.
NEOSPORIN: Neomycin 3400 iu, polymyxin B 5000 iu, bacitracin 400 iu/g oint; **NEOSPORIN-H:** Neomycin 3400 iu, polymyxin B 10000 iu, hydrocortisone 10 mg per ml ear drops.
9. **Framycetin:** 0.5%–1.0% topically in eye or on skin;
SOFRAMYCIN, FRAMYGEN 1% skin cream, 0.5% eye drops or oint.
10. **Paromomycin:** *Oral:* 500 mg TDS (25–30 mg/kg/day) for amoebiasis, giardiasis, etc.
Intramuscular: 15 mg (11 mg base) per kg/day for 21 days for Kala-azar.

Tetracyclines

1. **Oxytetracycline:** 250–500 mg TDS–QID oral, 500 mg 6–12 hourly by slow i.v. inj; 1–3% by topical application;
TERRAMYCIN 250, 500 mg cap, 50 mg/ml in 10 ml vials inj; 3% skin oint, 1% eye/ear oint.
2. **Tetracycline:** 250–500 mg TDS–QID oral; 1–3% topically in eye/ear/on skin;
ACHROMYCIN, HOSTACYCLINE, RESTECLIN 250, 500 mg cap, 3% skin oint, 1% eye/ear drops and oint.
3. **Demeclocycline (Demethylchlortetracycline):** 300–600 mg BD oral; **LEDERMYCIN** 150, 300 mg cap/tab.
4. **Doxycycline:** 200 mg initially followed by 100–200 mg OD oral;
TETRADOX, DOXICIP, DOXT, NOVADOX 100 mg cap.
5. **Minocycline:** 100 mg OD–BD oral; **CYANOMYCIN, CNN** 50, 100 mg caps.

6. **Tigecycline:** 100 mg loading dose, followed by 50 mg 12 hourly i.v. infusion over 30–60 min for 5–14 days.
TYGACIL, TEVRAN, TIGIMAX 50 mg lyophilized powder/vial inj.

Chloramphenicol

1. **Chloramphenicol:** 250–500 mg 6 hourly oral (max 28 g total in a course), children 25–50 mg/kg/day; 0.5–1% topically in eye, 5–10% topically in ear; rarely 1% on skin;
CHLOROMYCETIN, ENTEROMYCETIN, PARAXIN, 250 mg, 500 mg cap, 1% eye oint, 0.5% eye drops, 5% ear drops, 1% applicaps, VANMYCETIN 0.4% eye drops, 250 mg optiaps, LYKACETIN 1% skin cream, 10% otic solution, OCUCHLOR 0.5% eye drops.
2. **Chloramphenicol palmitate** (tasteless insoluble ester of chloramphenicol for liquid oral formulation):
CHLOROMYCETIN PALMITATE, ENTEROMYCETIN, PARAXIN 125 mg/5 ml oral susp.
3. **Chloramphenicol succinate** (soluble ester of chloramphenicol for i.v. injection): **ENTEROMYCETIN, CHLOROMYCETIN SUCCINATE, KEMICETINE 1 g/vial inj, PHENIMYCIN 0.25, 0.5, 1.0 g inj.**

Macrolide Antibiotics

1. **Erythromycin:** 250–500 mg 6 hourly (max. 4 g/day), children 30–60 mg/kg/day.
 - (a) **Erythromycin (base):** **ERYSAFE 250 mg tabs, EROMED 333 mg tab, 125 mg/5 ml susp, 2% lotion, 4% gel.**
 - (b) **Erythromycin stearate:** **ERYTHROCIN 250, 500 mg tab, 100 mg/5 ml susp., 100 mg/ml ped. drops. ETROCIN, ERYSTER 250 mg tab, 100 mg/5 ml dry syr.**
 - (c) **Erythromycin estolate (lauryl sulfate):** **ALTHROCIN 250, 500 mg tab, 125 mg kid tab, 125 mg/5 ml and 250 mg/5 ml dry syr, 100 mg/ml ped. drops, E-MYCIN 100, 250 mg tab, 100 mg/5 ml dry syr; EMTHROCIN 250 mg tab, 125 mg/5 ml dry syr.**

- (d) **Erythromycin ethylsuccinate:** ERYNATE 100 mg/5 ml dry syr, ERYTHROCIN 100 mg/ml drops, 125 mg/5 ml syr.
2. **Roxithromycin:** 150–300 mg BD 30 min before meals, children 2.5–5 mg/kg BD; ROXID, ROXIBID, RULIDE 150, 300 mg tab, 50 mg kid tab, 50 mg/5 ml liquid; ROXEM 50 mg kid tab, 150 mg tab.
3. **Clarithromycin:** 250 mg BD for 7 days; severe cases 500 mg BD upto 14 days; CLARIBID 250, 500 mg tab, 250 mg/5 ml dry syr; CLARIMAC 250, 500 mg tabs; SYNCLAR 250 mg tab, 125 mg/5 ml dry syr.
4. **Azithromycin:** 500 mg once daily 1 hour before or 2 hours after food (children above 6 month 10 mg/kg) for 3 days is sufficient for most infections; AZITHRAL 250, 500 mg cap and 250 mg per 5 ml dry syr; AZIWOK 250 mg cap, 100 mg kid tab, 100 mg/5 ml and 200 mg/5 ml susp. AZIWIN 100, 250, 500 mg tab, 200 mg/5 ml liq. Also AZITHRAL 500 mg inj. for i.m. use.
5. **Spiramycin:** 3 million units (MU) twice daily oral; ROVAMYCIN 1.5 MU, 3 MU tabs, 0.375 MU/5 ml susp.

Lincosamide Antibiotics

1. **Lincomycin:** 500 mg TDS–QID oral; 600 mg i.m. or by i.v. infusion 6–12 hrly; LINCOCIN 500 mg cap, 600 mg/2 ml inj; LYNX 250, 500 mg cap, 125 mg/5 ml syr, 300 mg/ml inj in 1, 2 ml amp.
2. **Clindamycin:** 150–300 mg (Children 3–6 mg/kg) QID oral; 200–600 mg i.v. 8 hourly; DALCAP 150 mg cap; CLINCIN 150, 300 mg cap; DALCIN, DALCINEX 150, 300 mg cap, 300 mg/2 ml and 600 mg/4 ml inj. ACNESOL, CLINDAC-A 1% topical solution and gel for acne vulgaris.

Aminocyclitol Antibiotic

1. **Spectinomycin:** Gonorrhoea—2 g i.m. single dose (4 g in resistant cases); disseminated gonococcal infection—2 g i.m. BD. MYSPEC, TROBICIN 2 g vial for i.m. inj.

Glycopeptide Antibiotics

1. **Vancomycin:** 125–500 mg oral, 0.5 g 6 hourly or 1.0 g 12 hourly by i.v. infusion over 1 hour; **VANCOGIN-CP; VANCOGEN, VANCORID-CP** 500 mg/vial inj; **VANCOLED** 0.5, 1.0 g inj, **VANCOMYCIN** 500 mg tab, 250 mg cap, 500 mg/vial inj.
2. **Teicoplanin:** 400 mg first day—then 200 mg daily i.v. or i.m.; severe infection 400 mg 12 hourly × 3 doses—then 400 mg daily; **TARGOCID, TECOPLAN, TECOCIN** 200, 400 mg per vial inj. for reconstitution.

Oxazolidinone

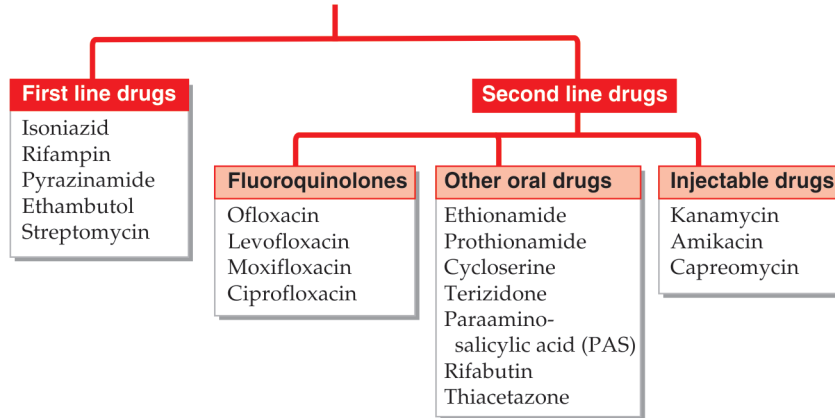
1. **Linezolid:** 600 mg BD, oral/i.v.; **LIZOLID, LINOSPAN** 600 mg tab; **LINOX, LINOSPAN** 600 mg tab, 600 mg/300 ml i.v. infusion.

Polypeptide Antibiotics

1. **Polymyxin B:** 5000–10,000 U/g for topical application (1 mg=10,000 U); **NEOSPORIN POWDER:** 5000 U with neomycin sulf. 3400 U and bacitracin 400 U per g. **NEOSPORIN EYE DROPS:** 5000 U with neomycin sulf. 1700 U and gramicidin 0.25 mg per ml. **NEOSPORIN-H EAR DROPS:** 10,000 U with neomycin sulf. 3400 U and hydrocortisone 10 mg per ml.
2. **Colistin sulfate:** 25–100 mg TDS oral; **WALAMYCIN** 12.5 mg (25000 i.u.) per 5 ml dry syr, **COLISTOP** 12.5 mg/5 ml and 25 mg/5 ml dry syr.
3. **Bacitracin:** 250–500 U/g for topical application (1 U = 26 µg); In **NEBASULF:** bacitracin 250 U+ neomycin + sulfacetamide 60 mg/g powder, skin oint, eye oint; in **NEOSPORIN** 400 U/g powder.

Urinary Antiseptics

1. **Nitrofurantoin:** 50–100 mg 3 to 4 times a day oral; **FURADANTIN** 50, 100 mg tab, 25 mg/5 ml susp, **URINIF** 100 mg tab.
2. **Methenamine (Hexamine) mandelate:** 1.0 g 3–4 times/day oral; **MANDELAMINE** 0.5 g, 1.0 g tabs.
3. **Nalidixic acid:** 0.5–1 g TDS–QID oral (*See p. 133*)

ANTITUBERCULAR DRUGS

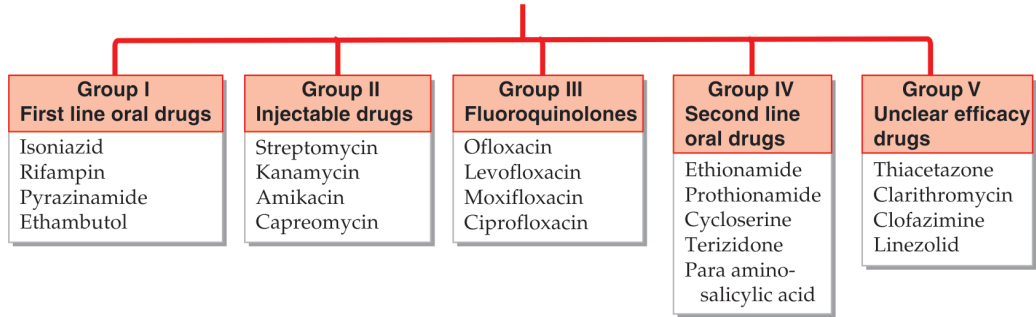
Preparations

Antitubercular Drugs

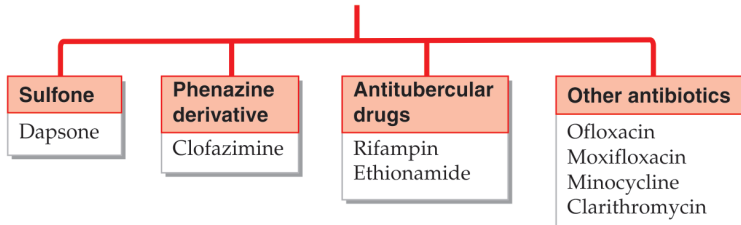
1. Isoniazid (Isonicotinic acid hydrazide, INH): 300 mg (5 mg/kg) daily or 600–900 mg (10 mg/kg) thrice weekly oral; **ISONEX 100, 300 mg tabs, ISOKIN 100 mg tab, 100 mg per 5 ml liq.**
2. Rifampin (Rifampicin): 600 mg (10 mg/kg) daily or thrice weekly oral one hour before or two hours after meals; **RCIN 150, 300, 450, 600 mg caps, 100 mg/5 ml susp. RIMACTANE, RIMPIN 150, 300, 450 mg caps, 100 mg/5 ml syr; RIFAMYCIN 450 mg cap, ZUCOX 300, 450, 600 mg tabs.**
3. Pyrazinamide: 25 mg/kg daily or 35 mg/kg thrice weekly oral; **PYZINA 0.5, 0.75, 1.0 g tabs, 0.3 g kid tab; PZA-CIBA 0.5, 0.75 g tabs, 250 mg/5 ml syr; RIZAP 0.75, 1.0 g tabs.**
4. Ethambutol: 15 mg/kg daily or 30 mg/kg thrice weekly oral; **MYCOBUTOL, MYAMBUTOL, COMBUTOL 0.2, 0.4, 0.6, 0.8, 1.0 g tabs.**
5. Streptomycin: 1000 mg (15 mg/kg) daily or thrice weekly i.m.; patients over 60 years age—reduce dose to 10 mg/kg or 500–750 mg/day i.m. **AMBISTRYN-S 0.75 g and 1.0 g dry powder per vial for i.m. inj.**
6. Paraaminosalicylic acid (PAS): 10–12 g (200 mg/kg) per day oral in divided doses; **SODIUM-PAS 0.5 g tab, 80 g/100 g granules.**
7. Ethionamide: 0.5–0.75 g (10–15 mg/kg) per day oral; **ETHIDE, ETHIOCID, MYOBID 250 mg tab.**
8. Prothionamide: 0.5–0.75 g (10–15 mg/kg/day) oral; **PROTHICID, PETHIDE 250 mg tab.**
9. Cycloserine: 250 mg BD, increased if tolerated upto 750 mg per day oral; **CYCLORINE, COXERIN, MYSER 250 mg cap.**
10. Terizidone: 500–700 mg/day oral; **TERICOX 250 mg cap.**
11. Kanamycin: 0.75–1.0 g/day (10–15 mg/kg/day) i.m.; **KANCIN, KANAMAC 0.5, 1 g inj.**

ALTERNATIVE CLASSIFICATION

ANTITUBERCULAR DRUGS



ANTILEPROTIC DRUGS



12. Amikacin: 0.75–1.0 g (15 mg/kg) i.m. daily; **AMICIN, MIKACIN, MIKAJECT** 250 mg, 500 mg inj.
13. Capreomycin: 0.75–1.0 g (15 mg/kg) i.m. daily; **KAPOCIN** 0.5 g, 0.75 g, 1.0 g inj, **CAPREOTEC** 1.0g inj.
14. Ciprofloxacin: 750 mg BD oral.
15. Ofloxacin: 800 mg OD oral.
16. Levofloxacin: 750 mg OD.
17. Moxifloxacin: 400 mg OD.
18. Rifabutin: 300 mg (5 mg/kg) OD oral; **RIBUTIN** 150 mg tab.

Some antitubercular combinations

RIFATER: Rifampin 120 mg, isoniazid 80 mg, pyrazinamide 250 mg tab.

R-CINEX: Rifampin 600 mg, isoniazid 300 mg tab; **R-CINEX-Z:** Rifampin 225 mg, isoniazid 150 mg, pyrazinamide 750 mg tab. **RIMACTAZID, RIFADIN-INH,** Rifampin 450 mg, isoniazid 300 mg tab.

MYCONEX 600 and 800; Isoniazid 300 mg, ethambutol 600 mg or 800 mg tab, **COMBUNEX** Isoniazid 300 mg, ethambutol 800 mg tab.

ARZIDE, ISORIFAM: Rifampin 450 mg, isoniazid 300 mg cap.

BI-TEBEN, ISOZONE: Isoniazid 75 mg, thiacetazone 37.5 mg tab, **ISOZONE FORTE**—double strength.

UNITHIBEN Isoniazid 75 mg, thiacetazone 37.5 mg tab.

INAPAS: sod PAS 834 mg, isoniazid 25 mg tab; sod PAS 3.34 g + isoniazid 100 mg per measure granules.

INABUTOL: Isoniazid 150 mg, ethambutol 400 mg tab; **INABUTOL FORTE**—double strength.

ISOKIN-300: Isoniazid 300 mg, vit B₆ 10 mg tab.

IPCAZIDE: Isoniazid 100 mg, vit B₆ 5 mg per 5 ml liq.

Antitubercular Combipacks (packs of 1 day's dose)

AKT-4: R 450 mg 1 cap + Z 750 mg 2 tab + E 800 mg + H 300 mg 1 tab.

AKT-3: R 450 mg 1 cap + E 800 mg + H 300 mg 1 tab.

CX-5: R 450 mg 1 cap + Z 750 mg 2 tab + E 800 mg + H 300 mg + pyridoxine 10 mg 1 tab.

RIFACOM-Z and RIMACTAZID-Z: R 450 mg + H 300 mg 1 tab. + Z 750 mg 2 tab.

RIFACOM-EZ: R 450 mg + H 300 mg 1 tab. + Z 750 mg 2 tab + E 800 mg 1 tab.

Note: See Index for preparations of ciprofloxacin, ofloxacin, levofloxacin and moxifloxacin.

Antileprotic Drugs

1. Dapsone (Diaminodiphenyl sulfone, DDS): 100 mg/day; DAPSONE 25, 50, 100 mg tab.
2. Clofazimine: 50 mg daily + 300 mg once a month; CLOFOZINE, HANSEPRAN 50, 100 mg caps.
3. Rifampin: 600 mg once a month
4. Ethionamide: 250 mg/day oral
5. Ofloxacin: 400 mg/day oral
6. Moxifloxacin: 400 mg/day oral
7. Minocycline: 100 mg/day oral
8. Clarithromycin: 500 mg/day oral.

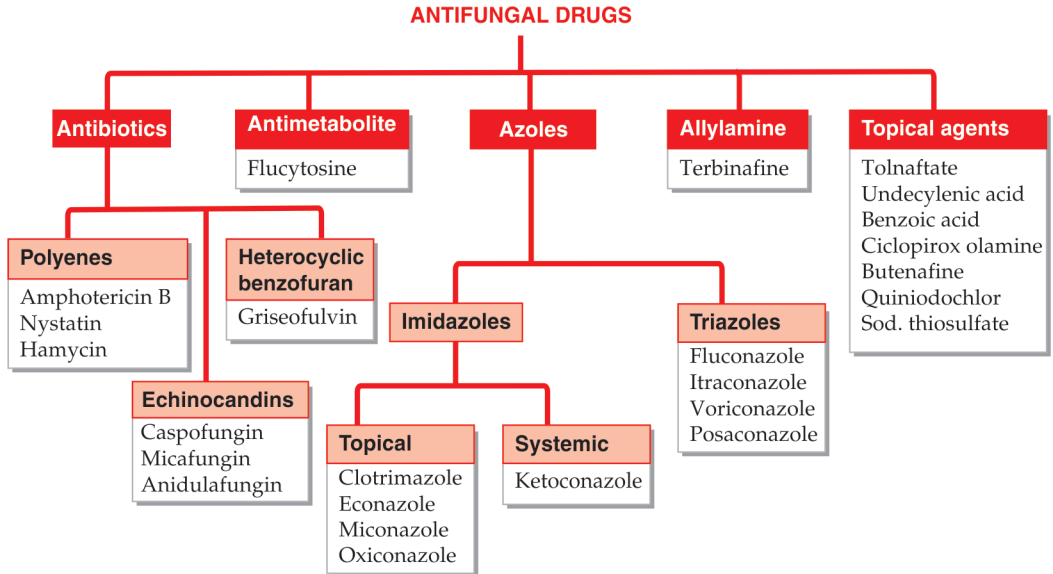
Note: See Index for preparations of other drugs.

For erythema nodosum leprosum (type 2)

Thalidomide: 100–300 mg OD at bed time; THAANGIO 100 mg, THALODA 50, 100 mg cap.

(For multiple myeloma—200 mg OD; max 800 mg/day)

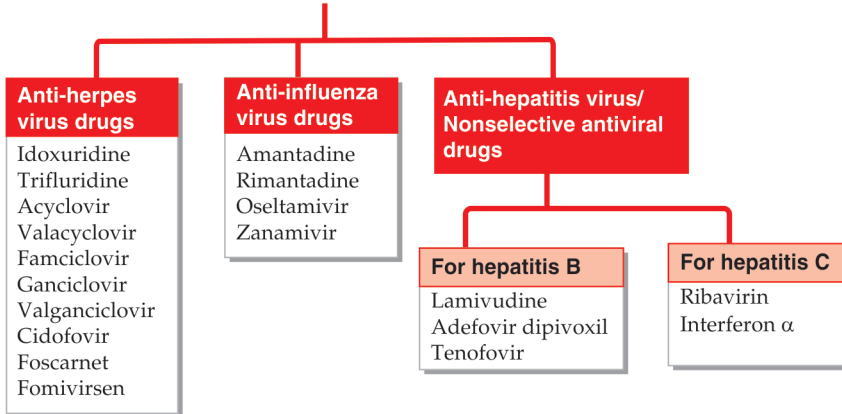
12 Antifungal, Antiviral, Antiprotozoal and Anthelmintic Drugs

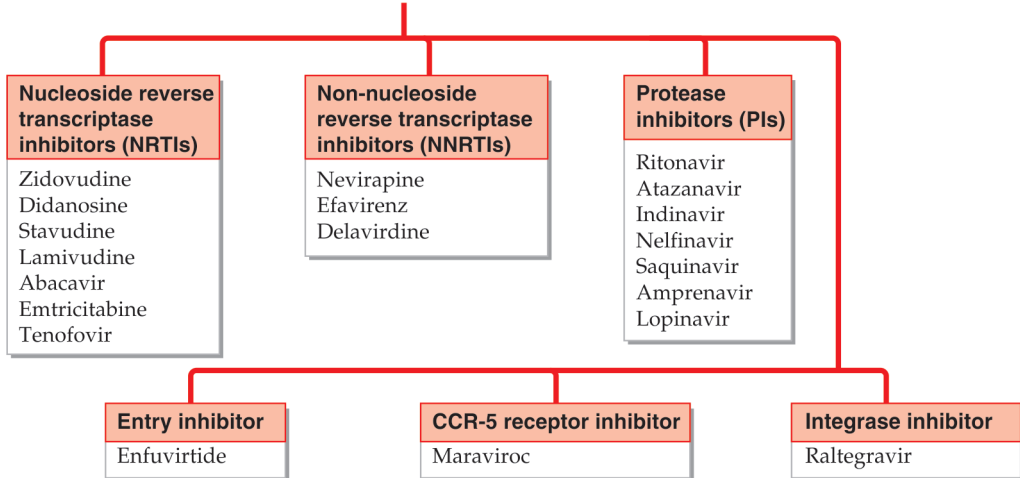


Preparations

- Amphotericin B:** 0.3–0.7 mg/kg daily by slow i.v. infusion over 4–8 hours (total dose 3–4 g); 0.5 mg intrathecal, 3% topically in ear, 50–100 mg QID oral; **FUNGIZONE INTRAVENOUS**, **MYCOL 50 mg dry powder per vial for i.v. infusion**, **FUNGIZONE OTIC 3% ear drops**.
Liposomal amphotericin B: 3–5 mg/kg/day i.v. infusion; **FUNGISOME 10 mg, 25 mg, 50 mg per vial inj**, **AMPHOLIP 10 mg/2 ml, 50 mg/10 ml, 100 mg/20 ml inj**.
- Nystatin:** 5 lac U 8 hourly oral, 1 lac U nightly for vaginal insertion, 10,000 U/ml for buccal application; 1 lac U per g for application over skin and in the eye;
MYCOSTATIN 5 lac U tab, 1 lac U vaginal tab, 1 lac U/g oint, NYSTIN EYE 1 lac U/g ophthalmic oint.
- Hamycin:** 2–5 lac U/g for topical application, 4 lac U vaginal application;
HAMYCIN 5 lac U/g oint, 2 lac U/ml susp for topical use, 4 lac U vaginal ovules.
- Caspofungin:** 70 mg infused i.v. over 1 hour (loading dose), followed by 50 mg i.v. daily.
CANCIDAS 70 mg in 10 ml and 50 mg in 10 ml inj.
- Griseofulvin:** 125–250 mg QID oral taken with meals; **GRISOVIN-FP, GRISORAL, WALAVIN-FP 250 mg tab**.
- Clotrimazole:** 1% topical application twice daily, 100 mg intravaginal at bed time;
SURFAZ, CLODERM 1% lotion, cream, powder; 100 mg vaginal tab. CANDID 1% cream, mouth paint.
- Econazole:** 1% topical application 2–3 times daily, 150 mg intravaginal every night;
ECONAZOLE 1% oint, 150 mg vaginal tab; ECODERM 1% cream.
- Miconazole:** 2% topical application 2–3 times daily, 100 mg intravaginal nightly;
DAKTARIN 2% gel, 2% powder and solution; GYNODAKTARIN 2% vaginal gel; ZOLE 2% oint, lotion, dusting powder and spray, 1% ear drops, 100 mg vaginal ovules.
- Oxiconazole:** 1% topical; **OXIZON, ZODERM 1% + benzoic acid 0.25% cream and lotion**.

10. **Ketoconazole:** 200 mg OD–BD oral, 2% topical application; FUNGICIDE, NIZRAL, FUNAZOLE, KETOVATE 200 mg tab, FUNGINOC, NIZRAL 2% oint, 2% shampoo (for dandruff), KETOVATE 2% cream, DANRUF 2% shampoo, HYPHORAL 2% lotion.
11. **Fluconazole:** For tinea infections, cutaneous and vaginal candidiasis 150 mg oral weekly; for systemic mycosis 200–400 mg daily oral/i.v., for fungal keratitis 0.3% topically in eye; SYSCAN, ZOCON, FORCAN, FLUZON 50, 100, 150, 200 mg caps, 200 mg/100 ml i.v. infusion, SYSCAN 0.3% eye drops.
12. **Itraconazole:** 200 mg OD–BD oral (for systemic mycosis), 200 mg OD oral for vaginal candidiasis and dermatophytosis; SPORANOX, CANDITRAL, FLUCOVER 100 mg cap, ITASPOR 100 mg cap, 200 mg/20 ml vial.
13. **Voriconazole:** Oral–200 mg BD taken 1 hour before or 1 hour after meal; Intravenous—initially 6 mg/kg 12 hourly 2 doses, then 3–4 mg/kg 12 hourly. Drug is to be reconstituted and diluted, infused at not more than 3 mg/kg/hr. VFEND 50 mg, 200 mg tabs, 40 mg/ml oral susp; 200 mg vial for i.v. infusion; FUNGIVOR 200 mg tab.
14. **Posaconazole:** 200 mg 4 times a day or 400 mg twice a day with meals. NOXAFIL 200 mg/5 ml susp.
15. **Terbinafine:** 250 mg OD oral, 1% topical application; LAMISIL, SEBIFIN, DASKIL 250 mg tab, 1% topical cream. EXIFINE 125, 250 mg tabs, 1% cream, TERBIDERM 1% cream.
16. **Tolnaftate:** 1% topical application; TINADERM, TINAVATE 1% lotion, TOLNADERM 1% cream.
17. **Ciclopirox olamine:** 1% topical and vaginal application; BATRAFEN 1% cream, 1% topical solution, 1% vaginal cream, OLAMIN 1% cream.
18. **Undecylenic acid:** 5–10% topical application; TINEAFAX: Zinc undecenoate 8% zinc naphthenate 8%, mesulphen 8%, methyl salicylate 2.5%, terpineol 2.5% oint.
19. **Benzoic acid:** 5% topical application; RINGCUTTER 5% benzoic acid + 3% salicylic acid oint.
20. **Quiniodochlor:** 3–10% topical application; VIOFORM 3% cream, DERMOQUINOL 4%, 8% cream.
21. **Butenafine:** 1% topical; BUTOP, FINTOP 1% cream.
22. **Sodium thiosulfate:** 20% topical application; in KARPIN LOTION 20% lotion.

ANTIVIRAL DRUGS (Non-retroviral)

ANTI-RETROVIRUS DRUGS

Preparations

Antiviral Drugs (Non-retroviral)

- Idoxuridine:** 0.1% topically in eye 1 hourly to 6 hourly, apply 0.1% eye ointment at night;
IDURIN, TOXIL 0.1% eye drops and oint.
- Acyclovir:** 200 mg 5 times a day oral (15 mg/kg/day), 5–10 mg/kg 8 hourly by slow i.v. infusion, 5% topical application 6 times a day; **ZOVIRAX 200 mg tab, 250 mg/vial for i.v. inj; CYCLOVIR 200 mg tab, 5% skin cream; HERPEX 200 mg tab, 3% eye oint, 5% skin cream; OCUVIR 200, 400, 800 mg tab, 3% eye oint, ACIVIR-DT 200, 400, 800 mg tab. ACIVIR EYE 3% oint.**
- Valacyclovir:** For genital herpes simplex 0.5-1.0 g BD × 10 days, suppressive treatment 0.5 g OD × 6–12 months. For orolabial herpes 2 g BD × 1 day
For herpes zoster 1 g TDS × 7 days.
VALCIVIR 0.5 g, 1.0 g tabs.
- Famciclovir:** Genital herpes (1st episode) 250 mg TDS × 5 days; recurrent cases 250 mg BD for upto 1 year. Herpes zoster and orolabial herpes 500 mg TDS for 7–10 days. **FAMTREX 250, 500 mg tabs.**
- Ganciclovir:** For treatment and prophylaxis of CMV infections—5 mg/kg BD initially, followed by OD;
GANGUARD 250, 500 mg tabs.
- Amantadine:** 100 mg BD, elderly—half dose, children 5 mg/kg/day; **AMANTREL, NEAMAN 100 mg tab.**
- Rimantadine:** 100 mg BD, elderly 100 mg OD, child 5 mg/kg/day;
FLUMADINE 100 mg tab, 50 mg/5 ml syr.
- Oseltamivir:** therapeutic dose—75 mg BD × 5 days; prophylactic dose—75 mg OD;
TAMIFLU, ANTIFLU 75 mg cap, 12 mg/ml susp, FLUVIR 75 mg cap.

9. Zanamivir: therapeutic dose—10 mg BD by inhalation; prophylactic dose—10 mg OD; **RELENZA 5 mg per actuation powder inhaler.**
10. Adefovir dipivoxil: 10 mg/day oral; **ADESERA, ADFOVIR 10 mg tab.**
11. Tenofovir: 300 mg OD; **TENOF, TENTIDE 300 mg tab.**
12. Ribavirin: 200 mg QID (children 10 mg/kg/day); **VIRAZIDE, RIBAVIN 100, 200 mg caps, 50 mg/5 ml syr.**
13. Interferon α_{2A} : 2.5–5 MU/m² s.c. or i.m. 3 times per week; **ALFERON 3MU/vial inj.**
14. Interferon α_{2B} : 3–10 MU s.c. or i.m. thrice weekly; **REALFA-2B, SHANFERON, VIRAFERON 3MU, 5MU vials for inj.**

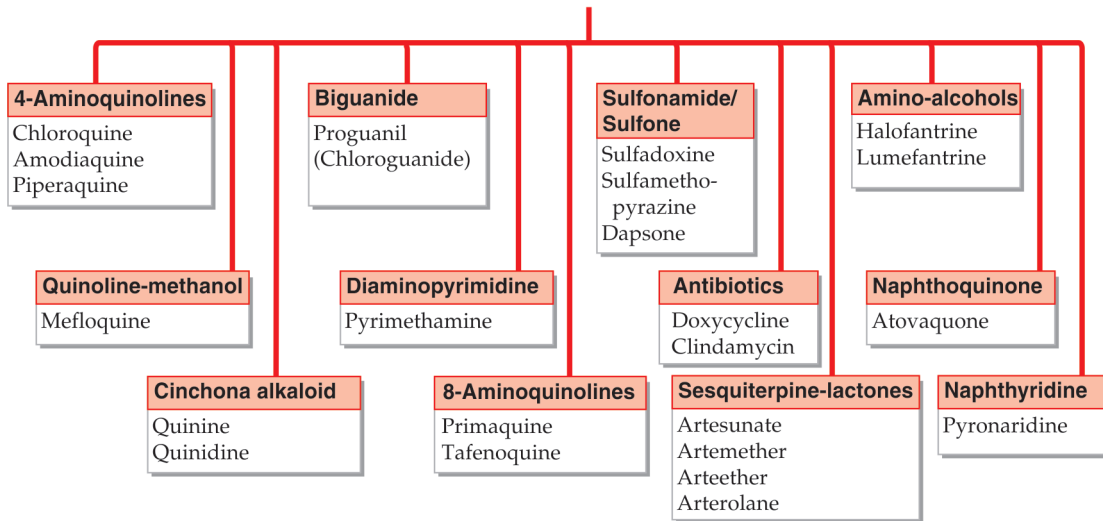
Antiretroviral Drugs

15. Zidovudine (Azidothymidine, AZT): Adults 300 mg BD; Children 180 mg/m² (max 200 mg) BD. **RETROVIR, ZIDOVIR 100 mg cap 300 mg tab, 50 mg/5 ml syr, ZIDOMAX, ZYDOWIN 100 mg cap, 300 mg tab (to be taken with plenty of water).**
16. Didanosine: 400 mg/day (for ≥ 60 kg BW), 250 mg/day (< 50 kg BW); 1 hour before or 2 hours after meals; **DINEX EC, DD RETRO, VIROSINE DR 250, 400 mg tabs.**
17. Stavudine: 30 mg BD; **STAG, STAVIR, VIROSTAV 30, 40 mg caps.**
18. Lamivudine: *For chronic hepatitis B*—100 mg OD;
For HIV infection—150 mg BD (along with other antiretroviral drugs); **LAMIVIR 150 mg tab, 150 mg/5 ml soln; LAMIVIR-HBV 100 mg tab; HEPTAVIR, LAMIDAC, LAMUVID 100, 150 mg tabs.**
19. Abacavir: 300 mg BD or 600 mg OD (along with other antiretroviral drugs); **ABAMUNE, ABAVIR 300 mg tab.**
20. Nevirapine: 200 mg/day oral to be increased after 2 weeks to 200 mg BD; **NEVIMUNE, NEVIVIR, NEVIPAN, NEVIRETRO 200 mg.**

21. **Efavirenz:** 600 mg OD on empty stomach; **EFFERVEN, VIRANZ, EVIRENZ, 200 mg cap, 600 mg tab.**
22. **Atazanavir:** 300 mg OD with ritonavir 100 mg taken at meal time; **ATAZOR 100, 150, 200, 300 mg caps.**
23. **Indinavir:** 800 mg TDS; **INDIVAN, INDIVIR, VIRODIN 400 mg cap.**
24. **Nelfinavir:** 750 mg TDS; **NELFIN, NELVIR, NEIVEX 250 mg tab.**
25. **Ritonavir:** 600 mg BD to be taken with meal; **RITOVIR 250 mg tab, RITOMUNE, RITOMAX 100 mg cap.**
26. **Saquinavir:** 1200 mg TDS oral taken with or just after a meal or 1000 mg BD along with ritonavir 100 mg; **SAQUIN 200 mg cap.**
27. **Lopinavir:** 400 mg (taken with ritonavir 100 mg) BD with food.
RITOMAX-L, V-LETRA: Lopinavir 133.3 mg + Ritonavir 33.3 mg cap.

Some Antiretroviral Combinations

1. **Lamivudine 150 mg + Zidovudine 300 mg tab (1 tab BD);**
COMBIVIR, CYTOCOM, DUOVIR, LAMUZID, ZIDOLAM tab.
2. **Lamivudine 150 mg + Stavudine 30 mg or 40 mg tab (1 tab BD);**
LAMIVIR-S, LAMOSTAD, VIROLIS tab.
3. **Lamivudine 150 mg + Zidovudine 300 mg + Nevirapine 200 mg tab (1 tab BD);**
DUOVIR-N, CYTOCOM-N, NEXIVIR-Z.
4. **Lamivudine 150 mg + Stavudine 30 mg or 40 mg + Nevirapine 200 mg tab (1 tab BD);**
LAMOSTAD-N, TROMUNE, VIROLANS.
5. **Lamivudine 150 mg + Zidovudine 300 mg 2 tab and Efavirenz 600 mg 1 tab kit;**
CYTOCOM-E kit.

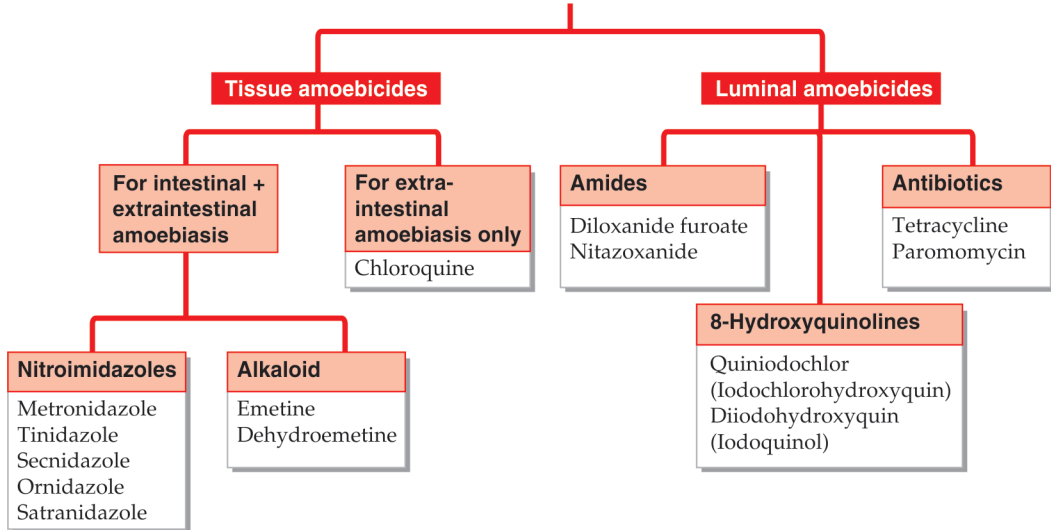
ANTIMALARIAL DRUGS

Preparations

- 1. Chloroquine:** For clinical cure: 600 mg (base) followed by 300 mg after 8 hours and 300 mg daily for 2 days (total 1500 mg); total dose (in 3 days) for infants 150 mg, children 1–4 years 200–400 mg, 5–10 years 600–1000 mg. For suppressive prophylaxis: 300 mg weekly (only in chloroquine sensitive *P. falciparum* areas).
Chloroquine phosphate: (250 mg = 150 mg base): **RESOCHIN 150 mg (base) tab; CLOQUIN, LARIAGO, NIVAQUIN-P 250 mg tab, 500 mg forte tab, 100 mg (base) per 10 ml oral susp., 40 mg (base)/ml inj in 2 and 5 ml amp, 30 ml vial.**
- 2. Amodiaquine:** For treatment of acute attack of malaria: 25–35 mg/kg over 3 days;
CAMOQUIN 200 mg (as HCl = 150 mg base) tab; BASOQUIN 150 mg (base) per 5 ml susp.
- 3. Piperaquine:** 960 mg (16 mg/kg) along with dihydroartemisinin 120 mg (2 mg/kg) daily × 3 days (as ACT combination therapy).
- 4. Mefloquine:** For treatment of uncomplicated falciparum malaria: 25 mg/kg split into 2 doses taken on 2 days along with 3 days artesunate (4 mg/kg/day) combination therapy; For prophylaxis: 5 mg/kg (max 250 mg) per week started 2 weeks before entering endemic area;
MEFLOTAS, MEFLIAM, CONFAL, FACITAL 250 mg tab to be taken after meals with plenty of water.
- 5. Quinine:** For complicated (Cerebral) malaria: 20 mg/kg diluted in 5% glucose and infused i.v. over 4 hours, followed by 10 mg/kg over 8 hours repeated every 8 hours till patient improves (regains consciousness), followed by oral therapy to complete 7 day course. For uncomplicated falciparum malaria: 600 mg (10 mg/kg) TDS oral for 7 days along with doxycycline 100 mg daily for 7 days or clindamycin 600 mg BD for 7 days;
REZOQUIN, QUININE; QUINARSOL 300, 600 mg tab, 600 mg/2 ml inj.
- 6. Proguanil (chloroguanide):** For malaria prophylaxis: 200 mg daily with chloroquine 300 mg weekly till 4 weeks after exposure; **PROGUMAL 100 mg tab.**

7. **Pyrimethamine-sulfadoxine:** For treatment of uncomplicated falciparum malaria: 75 mg + 1500 mg single dose; Sulfadoxine 500 mg + pyrimethamine 25 mg tab: **LARIDOX, RIMODAR, FANCIDAR, MALOCIDE; REZIZ 500 mg + 25 mg tab and per 10 ml susp** (adults 3 tab, children 9–14 yr 2 tab, 4–8 yr 1 tab, 1–4 yr ½ tab); **REZIZ FORTE 750 mg + 37.5 mg tab.**
Sulfamethopyrazine 500 mg + **pyrimethamine** 25 mg tab: **METAFIN, MALADDEX tab.**
Dapsone 100 mg + **pyrimethamine** 25 mg tab; **MALOPRIM tab.**
8. **Doxycycline:** For treatment of chloroquine resistant falciparum malaria: 100 mg OD combined with quinine or pyrimethamine-sulfadoxine.
For prophylaxis of chloroquine resistant falciparum malaria in travellers: 100 mg OD (as alternative to mefloquine).
9. **Clindamycin:** 600 mg BD for combination with quinine for chloroquine resistant vivax/falciparum malaria.
10. **Primaquine:** For radical cure of vivax malaria: 15 mg (children 0.25 mg/kg) daily for 2 weeks along with chloroquine for 3 days; As gametocidal for falciparum malaria 45 mg (0.75 mg/kg) single dose along with chloroquine; **MALIRID, EVAQUIN (as phosphate 26 mg = 15 mg base) 2.5, 7.5, 15, 45 mg tab.**
11. **Artesunate:** oral (for uncomplicated falciparum malaria) 100 mg BD (4 mg/kg/day) × 3 days in combination with mefloquine or sulfadoxine-pyrimethamine as ACT.
Parenteral (for severe and complicated falciparum malaria) 2.4 mg/kg i.v. or i.m. repeated after 12 and 24 hours and then once daily for 7 days. Switchover to oral ACT in-between whenever patient can take oral medication. **FALCIGO, FALCYNATE, ARTINATE 50 mg tab, 60 mg/vial inj., LARINATE, ARNATE 50 mg tab;**
Artesunate 50 mg tab. + **mefloquine** 250 mg tab in kit: **FALCIGO PLUS tab kit.**
Artesunate (100 mg) × 6 tab. + **sulfadoxine** (500 mg)-**pyrimethamine** (25 mg) × 3 tab. kit: **ZESUNATE kit, MASUNATE kit, FALCIART kit.**
Artesunate 200 mg (4 mg/kg) + **amodiaquine** 600 mg (10 mg/kg) daily × 3 days.

12. **Artemether:** Oral (for uncomplicated falciparum malaria) 80 mg twice daily × 3 days in combination with lumefantrine as ACT (to be taken with fatty meal).
Parenteral (for severe and complicated falciparum malaria) 3.2 mg/kg i.m. on 1st day, followed by 1.6 mg/kg daily for 7 days. Switch-over to 3 day oral ACT in-between whenever patient can take oral medication;
PALUTHER, LARITHER, MALITHER, METHILEX 40 mg cap, 80 mg inj (in 1 ml arachis oil).
Artemether 20 mg + **lumefantrine** 120 mg tab: **COARTEM, LUMETHER, COMBITHER** tab, adult and child above 35 kg body weight 4 tab BD, child 25–35 kg 3 tab BD, 15–25 kg 2 tab BD, 5–15 kg 1 tab BD, all for 3 days;
Artemether 80 mg + **lumefantrine** 480 mg tab: **FALCIMAX PLUS, ARTE PLUS** adults 1 tab BD × 3 days.
13. **Arteether:** (for severe and complicated falciparum malaria) 3.2 mg/kg i.m. on 1st day, followed by 1.6 mg/kg daily for the next 4 days. Switch-over to 3 day oral ACT in-between whenever the patient is able to take oral medication. **E-MAL, FALCY, RAPITHER** 150 mg/2 ml amp.
14. **Arterolane:** Oral (for uncomplicated falciparum malaria) 150 mg once daily in combination with piperazine 750 mg once daily × 3 days; **SYNRIAM** (arterolane 100 mg + piperazine 750 mg) cap.

ANTIAMOEBIIC DRUGS

Preparations

- 1. Metronidazole:** For amoebic dysentery and liver abscess—800 mg TDS (children 30–50 mg/kg/day) for 7–10 days oral, or 500 mg slow i.v. infusion every 6–8 hours till oral therapy is instituted; For mild intestinal amoebiasis—400 mg TDS for 5–7 days. For serious anaerobic bacterial infections: 15 mg/kg infused i.v. over 1 hr followed by 7.5 mg/kg every 6 hrs till oral therapy can be instituted with 400–800 mg TDS;
FLAGYL, METROGYL, METRON, ARISTOXYL, ALDEZOLE 200, 400 mg tab, 200 mg/5 ml susp. (as benzoyl metronidazole: tasteless); 500 mg/100 ml i.v. infusion; UNIMEZOL 200, 400 mg tabs, 200 mg/5 ml susp, METROGYL GEL, LUPIGYL GEL: 1% gel for vaginal/topical application.
- 2. Tinidazole:** For intestinal amoebiasis: 2 g OD for 3 days (children 30–50 mg/kg/day) or 0.6 g BD for 5–10 days. Trichomoniasis and giardiasis: 2 g single dose or 0.6 g OD for 7 days.
For Anaerobic infections:
prophylactic—2 g single dose before colorectal surgery;
therapeutic—2 g followed by 0.5 g BD for 5 days oral, 0.8 g i.v. infusion 8–12 hourly.
For *H. pylori*: 500 mg BD for 1–2 weeks in triple combination;
TINIBA 300, 500, 1000 mg tabs; 800 mg/400 ml i.v. infusion; TRIDAZOLE 300, 500 mg tab; FASIGYN 0.5 g and 1 g tab, TINI 0.3 g, 0.5 g tabs, 75 mg/5 ml and 150 mg/5 ml oral susp.
- 3. Secnidazole:** 2 g single dose (children 30 mg/kg) for intestinal amoebiasis, giardiasis, trichomonas vaginitis and nonspecific bacterial vaginosis; 1.5 g/day for 5 days in acute amoebic dysentery;
SECNIL, SECZOL 0.5, 1.0 g tabs; NOAMEBA-DS 1.0 g tab.
- 4. Ornidazole:** 2 g OD oral for 3 days or 0.6 g BD for 5–10 days; 0.5–1.0 g slow i.v. infusion;
DAZOLIC 500 mg tab, 500 mg/100 ml vial for i.v. infusion. ORNIDA 500 mg tab, 125 mg/5 ml susp.
- 5. Satranidazole:** Amoebiasis: 300 mg BD for 3–5 days, giardiasis and trichomoniasis: 600 mg single dose orally;
SATROGYL 300 mg tab.

6. **Emetine**: 60 mg i.m./s.c. OD for not more than 10 days; **EMETINE HCL 60 mg/2 ml inj.**
7. **Dehydroemetine**: 60–100 mg i.m./s.c. OD for not more than 10 days;
DEHYDROEMETINE HCL 30 mg/ml inj 1 and 2 ml amps.
8. **Chloroquine**: 600 mg (base) daily for 2 days followed by 300 mg OD for 2–3 weeks.
9. **Diloxanide furoate**: 500 mg TDS for 5–10 days; children 20 mg/kg/day;
FURAMIDE, AMICLINE 0.5 g tab; in TINIBA-DF 250 mg + 150 mg tinidazole and TINIBA-DF FORTE 500 mg + 300 mg tabs; in ENTAMIZOLE 250 mg + 200 mg metronidazole and ENTAMIZOLE FORTE 500 mg + 400 mg tabs.
10. **Nitazoxanide**: 500 mg (children 7.5 mg/kg) BD × 3 days.
NITACURE, NITCOL, NITARID 200, 500 mg tabs, 100 mg/5 ml dry syrup.
11. **Quiniodochlor (Iodochlorohydroxyquin, Clioquinol)**: 250–500 mg TDS;
ENTEROQUINOL, QUINOFORM 250 mg tab.
12. **Diiodohydroxyquin (Iodoquinol)**: 650 mg TDS; not to exceed 2.0 g per day for 14 days;
DIODOQUIN 650 mg tab, 210 mg/5 ml susp.
13. **Tetracycline/Oxytetracycline**: 250 mg QID oral.

Drugs for Giardiasis

1. **Metronidazole**: 400 mg TDS (children 15 mg/kg/day) for 5–7 days or 2 g daily for 3 days.
2. **Tinidazole/Secnidazole**: 2 g single dose or 0.6 g daily for 7 days.
3. **Nitazoxanide**: 500 mg (children 7.5 mg/kg) BD × 3 days.
4. **Quiniodochlor**: 250 mg TDS for 7 days.
5. **Furazolidone**: 100 mg TDS for 5–7 days; **FUROXONE 100 mg tab, 25 mg/5 ml susp.**

Drugs for Trichomoniasis

A. Drugs used orally

1. Metronidazole: 400 mg TDS for 7 days or 2 g single dose.
2. Tinidazole: 600 mg OD for 7 days or 2 g single dose.
3. Secnidazole: 2 g single dose.

B. Drugs used intravaginally

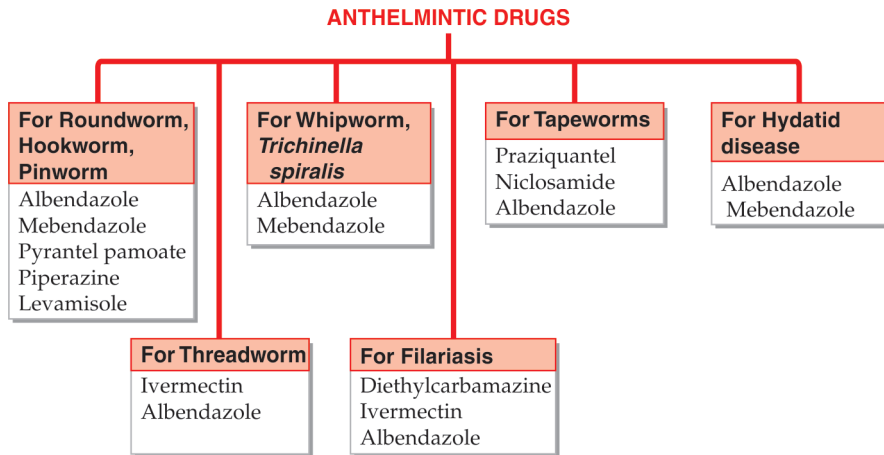
1. Diiodohydroxyquin: 200 mg inserted intravaginally at bed time for 1–2 weeks;
FLORAQUIN 100 mg vaginal pessaries.
2. Quiniodochlor: 200 mg inserted in the vagina every night for 1–3 weeks; **GYNOSAN 200 mg vaginal tab.**
3. Metronidazole: 1% topical gel applied in vagina once or twice daily; **METROGYL GEL, LUPIGYL GEL 1%.**
4. Povidone-iodine: 400 mg inserted in the vagina daily at night for 2 weeks;
BETADINE VAGINAL 200 mg pessaries.

Drugs for Leishmaniasis (Kala azar)

1. Amphotericin B deoxycholate: 0.75–1.0 mg/kg i.v. infusion over 4 hours daily/on alternate days till 15 mg/kg total dose.
2. Liposomal amphotericin B: 3–5 mg/kg i.v. infusion daily for 3–5 days (total dose 15 mg/kg)
3. Miltefosine: 50 mg cap twice daily orally; children (2–11 years) 2.5 mg/kg/day.
4. Paromomycin sulfate: 15 mg/kg i.m. OD for 21 days.
5. Sodium stibogluconate: 20 mg/kg i.m. or slow i.v. daily for 30 days (in areas with *Leishmania* sensitive to stibogluconate).

Combinations

1. Liposomal amphotericin B (5 mg/kg i.v. infusion single dose) + Miltefosine (100 mg/day oral for 7 days)
2. Liposomal amphotericin B (5 mg/kg i.v. infusion single dose) + Paromomycin (15 mg/kg i.m. daily for 10 days)
3. Miltefosine (100 mg/day oral for 10 days) + Paromomycin (15 mg/kg i.m. daily for 10 days).

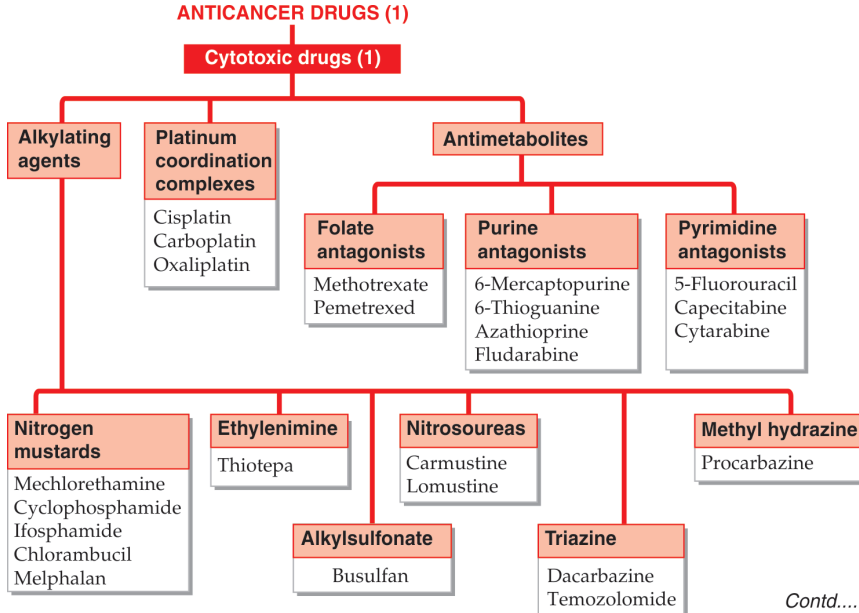


Preparations

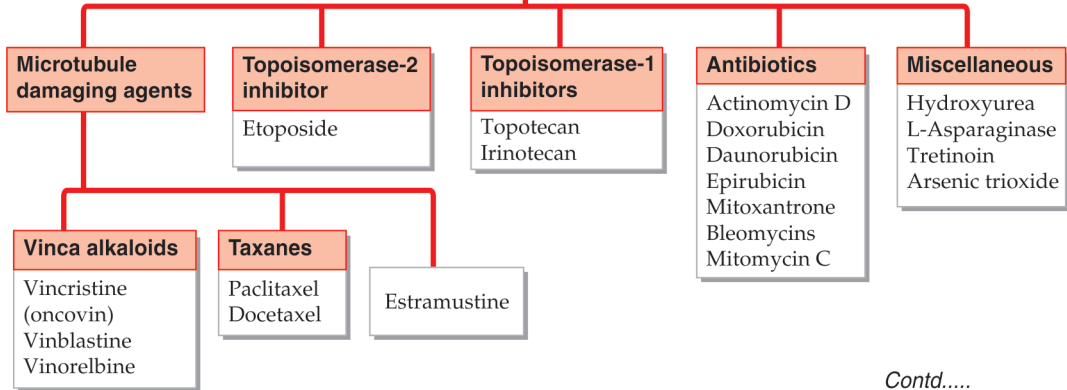
- Mebendazole:** For round worm, hookworm and whipworm (*Trichuris*) 100 mg BD for 3 days; for pinworm 100 mg single dose repeated after 2–3 weeks; for *Trichinella spiralis* 200 mg BD for 4 days; for hydatid disease 200–400 mg BD–TDS for 3–4 weeks; children 1–2 year age 1/2 dose;
MEBEX, WORMIN 100 mg chewable tab, 100 mg/5 ml susp, MEBAZOLE 100 mg tab.
- Albendazole:** For roundworm, hookworm, pinworm and whipworm 400 mg single dose (for children 1–2 years 1/2 dose); for tapeworms, strongyloidosis and trichinosis 400 mg daily for 3 days; neurocysticercosis 15 mg/kg daily for 8–15 days (with corticosteroids); hydatid disease 400 mg BD for 4 weeks (upto 3 courses with 2 weeks gap); **ZENTEL, ALMINTH, ALBEZOLE 400 mg tab, 200 mg/5 ml susp.**
- Pyrantel pamoate:** For roundworm, *Ancylostoma* and pinworm 10 mg/kg single dose, for *Necator* and strongyloidosis 10 mg/kg daily for 3 days; **NEMOCID, ANTIMINTH, EXPENT 250 mg tab, 500 mg/10 ml susp.**
- Piperazine:** For roundworm infestation 4 g once a day for 2 consecutive days; children 0.75 g/year of age (max. 4 g). **Enterobiasis—50 mg/kg (max. 2 g) once a day for 7 days or 75 mg/kg (max. 4 g) single dose, repeated after 3 weeks.**
PIPERAZINE CITRATE; 0.75 g/5 ml elixir in 30 ml, 115 ml bottle; 0.5 g (as phosphate) tablets.
- Levamisole:** For roundworm 150 mg (adults), 100 mg (children 20–39 kg body weight), 50 mg (children 10–19 kg weight) single dose, for *Ancylostoma* 2 doses 12 hour apart;
DEWORMIS, VERMISOL 50, 150 mg tabs, 50 mg/5 ml syr.
- Diethylcarbamazine citrate:** For filariasis 2 mg/kg TDS for 12–21 days, for tropical eosinophilia 2–4 mg/kg TDS for 2–3 weeks; **HETRAZAN, BANOCIDE 50, 100 mg tabs, 120 mg/5 ml syr, 50 mg/5 ml pediatric syr.**
- Ivermectin:** 10–15 mg (0.15–0.2 mg/kg) orally single dose for strongyloidosis, enterobiasis, ascariasis as well as scabies and pediculosis; for filariasis and onchocerciasis 0.2 mg/kg is repeated annually along with albendazole 400 mg; **IVERMECTOL, IVERMEC, VERMIN 3, 6 mg tabs, to be taken on empty stomach.**

8. **Niclosamide:** For tapeworm (*T. solium*, *T. saginata*) 2.0 g taken in 2 doses 1 hour apart (children 2–6 years 1.0 g total dose) followed by a saline purge after 2 hours; for *H. nana* 2.0 g repeated daily for 5 days;
NICLOSAN 0.5 g tab (to be chewed and swallowed with water).
9. **Praziquantel:** For tapeworm (*T. solium*, *T. saginata*) 10 mg/kg single dose in the morning; for *H. nana* and *D. latum* 15–25 mg/kg single dose in the morning; for neurocysticercosis 50 mg/kg/day in 3 divided doses for 15 days; for Schistosomiasis 40–75 mg/kg in one day; for other flukes 75 mg/kg in one day for 1–2 days;
CYSTICIDE 500 mg tab, DISTOCIDE 600 mg tab.

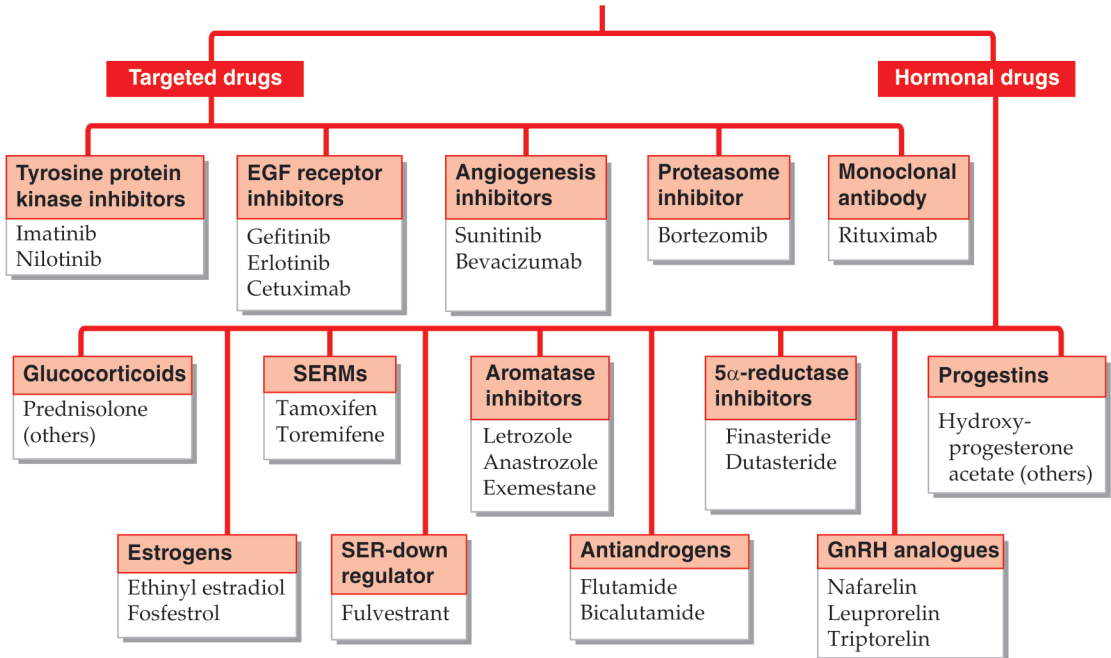
13 Anticancer Drugs (Antineoplastic Drugs)



Contd.....

ANTICANCER DRUGS (2)**Cytotoxic drugs (2)**

ANTICANCER DRUGS (3)



Preparations

1. **Mechlorethamine (Mustine HCl):** 0.1 mg/kg i.v. daily \times 4 days; courses may be repeated at suitable intervals; **MUSTINE 10 mg dry powder in vial.**
2. **Cyclophosphamide:** 2–3 mg/kg/day oral; 10–15 mg/kg i.v. every 7–10 days, i.m. use also possible; **ENDOXAN, CYCLOXAN 50 mg tab; 200, 500, 1000 mg inj.**
3. **Ifosfamide:** 10–15 mg/kg i.v.; **HOLOXAN, IPAMIDE 1 g vial, HOLOXAN-UROMITEXAN 1 g vial + 3 amps of mesna 200 mg inj.**
4. **Chlorambucil:** 4–10 mg (0.1–0.2 mg/kg) oral daily for 3–6 weeks, then 2 mg daily for maintenance; **LEUKERAN 2, 5 mg tab.**
5. **Melphalan:** 10 mg daily for 7 days or 6 mg/day for 2–3 weeks—4 weeks gap—2 to 4 mg daily for maintenance orally. Also used for regional perfusion in malignant melanoma; **ALKERAN 2, 5 mg tab, 50 mg per vial for inj.**
6. **Thio-TEPA:** 0.3–0.4 mg/kg i.v. at 1–4 week intervals; **THIOTEPA 15 mg per vial inj.**
7. **Busulfan:** 2–6 mg/day (0.06 mg/kg/day) orally; **MYLERAN, BUSUPHAN 2 mg tab.**
8. **Lomustine (CCNU):** 100–130 mg/m² BSA single oral dose every 6 weeks; **LOMUSTINE 40, 100 mg cap.**
9. **Dacarbazine (DTIC):** 3.5 mg/kg/day i.v. for 10 days, repeat after 4 weeks; **DACARIN 100, 200, 500 mg inj; DACARZINE 200 mg/vial inj.**
10. **Temozolamide:** 100–250 mg/day; **GLIOZ 20, 100, 250 mg caps.**
11. **Procarbazine:** 100 mg/m²/day for 14 days in 28 day cycles; **INDICARB 20 mg cap, NEOZINE, P-CARZINE 50 mg cap.**
12. **Methotrexate:** 15–30 mg/day for 5 days orally or 20–40 mg/m² body surface area (BSA) i.m./i.v. twice weekly, maintenance therapy 2.5–15 mg/day; **NEOTREXATE 2.5 mg tab, 50 mg/2 ml inj; BIOTREXATE 2.5 mg tab, 5, 15, 50 mg/vial inj.**
13. **Pemetrexed:** 500 mg/m² i.v. every 3 weeks; **PEMEX 500 mg vial for i.v. inj.**

14. **6-Mercaptopurine:** 2.5 mg/kg/day orally, half dose for maintenance; **PURINETHOL, EMPURINE, 6-MP 50 mg tab.**
15. **6-Thioguanine:** 100–200 mg/m²/day oral for 5–20 days; **6-TG 40 mg tab.**
16. **Azathioprine:** 3–5 mg/kg/day oral, maintenance 1–2 mg/kg/day; **IMURAN, TRANSIMUNE, AZOPRINE 50 mg tab.**
17. **Fludarabine:** 25 mg/m² BSA daily for 5 days every 28 days by i.v. infusion, **FLUDARA 50 mg/vial inj.**
18. **Fluorouracil (5-FU):** 500 mg/m² i.v. infusion over 1–3 hours weekly for 6–8 weeks, or 12 mg/kg/day i.v. for 4 days followed by 6 mg/kg i.v. on alternate days 3–4 doses; **FLURACIL, FIVE FLURO, FIVOCIL 250 mg/5 ml and 500 mg/10 ml vial for i.v. inj.**
19. **Cytarabine:** 100 mg/m² i.v. injection OD/BD for 5–10 days, or 1–3 g/day; **REMCYTA, CYTROSAR, CYTABIN 100, 500, 1000 mg inj.**
20. **Vincristine (Oncovin):** 1.5–2 mg/m² BSA i.v. weekly; **ONCOCRISTIN, CYTOCRISTIN 1 mg/vial inj.**
21. **Vinblastine:** 0.1–0.15 mg/kg i.v. weekly × 3 doses; **UNIBLASTIN, CYTOBLASTIN 10 mg/vial inj.**
22. **Vinorelbine:** 25–30 mg/m² weekly by slow i.v. inj over 10 min; **VINOTEC, RELBOVIN 10 mg, 50 mg vial.**
23. **Paclitaxel:** 135–175 mg/m² by i.v. infusion over 3 hr, repeated every 3 weeks; **ALTAXEL, MITOTAX, ONCO-TAXEL 30, 100, 260 mg as 6 mg/ml in cremophor emulsion (polyoxyethylated castor oil + alcohol + water).**
24. **Docetaxel:** 75–100 mg/m² i.v. over 1 hr; repeat at 3 weeks; **DOCECAD, DOCETERE, DOXEL 20, 80, 120 mg/vial inj.**
25. **Etoposide:** 50–100 mg/m²/day i.v. for 5 days, 100–200 mg/day oral; **PELTASOL 100 mg in 5 ml inj., LASTET 25, 50, 100 mg cap, 100 mg/5 ml inj, ACTITOP 50, 100 mg caps, 100 mg/5 ml inj.**
26. **Estramustine:** 4–5 mg/kg oral TDS; **ESMUST, ESTRAM 140 mg cap.**
27. **Topotecan:** 1.5 mg/m² i.v. over 30 min daily for 5 days; **TOPOTEC, CANTOP 2.5 mg inj.**

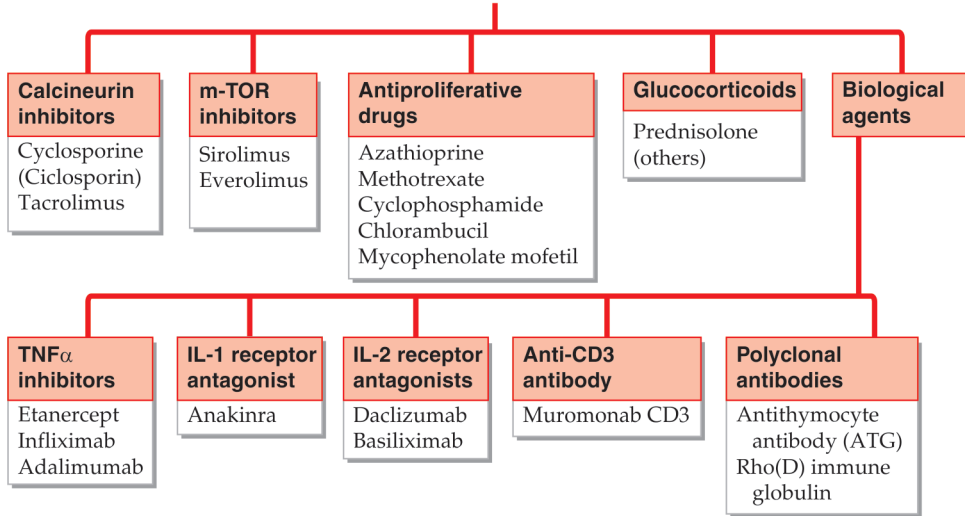
28. Irinotecan: 125 mg/m² i.v. over 90 min weekly for 4 weeks;
IRINOTEL, IRNOCAM 40 mg (2 ml), 100 mg (5 ml) inj.
29. Actinomycin D (Dactinomycin): 15 µg/kg i.v. daily for 5 days; DACMOZEN 0.5 mg/vial inj.
30. Daunorubicin (Rubidomycin): 30–50 mg/m² BSA i.v. daily for 3 days, repeat after 3–4 weeks.
DAUNOCIN, DAUNOMYCIN 20 mg/vial inj.
31. Doxorubicin: 60–75 mg/m² BSA slow i.v. injection every 3 weeks;
ADRIAMYCIN, DOXORUBICIN, ONCODRIA 10 mg, 50 mg per vial inj.
32. Epirubicin: 60–90 mg/m² i.v. over 5 min, repeated at 3 weeks; total dose <900 mg/m².
ALRUBICIN, EPIRUBITEC 10, 50 mg vials for reconstitution with diluent.
33. Mitoxantrone: 14 mg/m² single i.v. dose, repeat at 3 weeks; ONCOTRON 20 mg/10 ml inj.
34. Bleomycin: 30 mg twice weekly i.v. or i.m. (total dose 300–400 mg); BLEOCIN, ONCOBLEO 15 mg inj.
35. Mitomycin C: 10 mg/m² BSA, infused i.v. in one day or divided in 5 and infused over 5 days;
MITOCIN, ALMITO, LYOMIT 2, 10 mg inj.
36. Hydroxyurea: 20–30 mg/kg daily or 80 mg/kg twice weekly oral;
CYTODROX, HONDREA, UNIDREA 500 mg cap.
37. L-Asparaginase: 50–200 KU/kg i.v. or i.m. daily for 3–4 weeks; LEUNASE, HOILASP 10,000 KU per vial inj.
38. Cisplatin: 50–100 mg/m² BSA by slow i.v. infusion every 3–4 weeks;
CISPLATIN, CISPLAT, PLATINEX 10 mg/10 ml, 50 mg/50 ml vial.
39. Carboplatin: 400 mg/m² as an i.v. infusion over 15–60 min, to be repeated only after 4 weeks;
ONCOCARBIN, KEMOCARB 150, 450 mg/vial inj.

40. **Oxaliplatin:** 85 mg/m² i.v. every 2 weeks; **KINAPLAT, OPLATIN** 50 mg in 25 ml and 100 mg in 50 ml vial.
41. **Imatinib:** 400 mg/day with meal; for accelerated phase of CML 600-800 mg/day;
IMATIB- α , SHANTINIB, GLEE-VEC, UNITINIB 100, 400 mg caps.
42. **Gefitinib:** 250 mg/day oral; **GEFONIB, GEFTINAT** 250 mg tab/cap.
43. **Erlotinib:** 100–150 mg OD 1 hour before or 2 hours after meal; **ERLOTEC** 100, 150 mg tabs.
44. **Bortezomib:** 1.3 mg/m² i.v. bolus injection, 4 doses at 3 day intervals; **EGYBORT** 3.5 mg/vial inj.

Note: See Index for preparations of hormones and hormone antagonists

14 Miscellaneous Drugs

IMMUNOSUPPRESSANT DRUGS



Preparations

- Cyclosporine:** 10–15 mg/kg/day with milk or fruit juice till 1–2 weeks after transplantation, gradually reduced to maintenance dose of 2–6 mg/kg/day. Therapy may be started with 3–5 mg/kg i.v. infusion.
IMUSPORIN 25, 50, 100 mg soft gelatin cap; microemulsion formulation SANDIMMUN NEORAL, PANIMUN BIORAL 25, 50, 100 mg caps; SANDIMMUN, PANIMUN 100 mg/ml inj in 1 ml, 5 ml, 50 ml vials dispersed in cremaphor emulsion to be diluted and infused i.v. over 4–6 hours.
- Tacrolimus:** 0.05–0.1 mg/kg 12 hourly oral (for renal transplantation) 0.1–0.2 mg/kg (for liver transplantation); PANGRAF, TACROMUS 0.5, 1.0, 5.0 mg caps; TACRODERM, TACREL 0.03, 0.1% oint.
- Sirolimus:** Loading dose 1 mg/m² orally daily, followed by titrated lower doses for maintenance; RAPACAN 1 mg tab.
- Azathioprine:** Initially 3–5 mg/kg/day oral, followed by 1–2 mg/kg/day for maintenance.
- Cyclophosphamide:** 10–15 mg/kg i.v., 2–3 mg/kg/day oral.
- Methotrexate:** Initially 15–30 mg/day oral, 2.5–15 mg/day for maintenance.
- Chlorambucil:** 2–10 mg/day oral.
- Mycophenolate mofetil:** 1 g oral twice daily; CELLMUNE, MYCEPT, MYCOFIT 250, 500 mg tab/cap.
- Etanercept:** 25–50 mg s.c. once or twice weekly; ENBREL, ENBROL 25 mg in 0.5 ml and 50 mg in 1 ml inj.
- Antithymocyte globulin:** LYMPHOGLOBULIN (equine) 100 mg/vial inj.; 10 mg/kg/day i.v.; THYMOGLOBULIN (rabbit) 25 mg/vial inj.; 1.5 mg/kg/day; ATG 100 mg inj; 200 mg i.v./day.
- Rho(D) immune globulin:** 250–350 µg i.m. of freeze dried preparation.
RHIGGAL 100, 350 µg vial, RHESUMAN, RHOGAM, IMO GAM 300 µg per vial and prefilled syringe.

Note: See Index for preparations of other drugs.

CHELATING AGENTS

1. **Dimercaprol (British Antilewisite, BAL):** 5 mg/kg, followed by 2–3 mg/kg every 4–8 hours for 2 days and then once daily for 10 days injected i.m.; **BAL INJ 100 mg/2 ml in arachis oil inj.**
2. **Dimercaptosuccinic acid (Succimer).**
3. **Calcium disodium edetate (Ca Na₂ EDTA):** 1 g diluted in 200–300 ml saline and infused i.v. over 1 hour twice daily for 3–5 days, to be repeated after a week.
4. **Calcium disodium DTPA.**
5. **Penicillamine:** 0.5–1 g daily in divided doses 1 hour before or 2 hour after meals to avoid chelation of dietary metals; **ARTAMIN, CILAMIN 250 mg cap, ARTIN 150, 250 mg cap.**
6. **Desferrioxamine:** For acute iron poisoning: 0.5–1 g (50 mg/kg) i.m. 4–12 hourly as required or 10–15 mg/kg/hour (max 75 mg/kg in one day) i.v. infusion; for transfusion siderosis in thalassemia patients 0.5–1 g/day i.m.; **DEFERAL 0.5 g/vial inj.**
7. **Deferiprone:** 50–100 mg/kg oral daily in 2–4 divided doses; **KELFER 250, 500 mg caps.**

LOCALLY ACTING DRUGS ON SKIN AND MUCOUS MEMBRANES

A. Demulcents

1. **Gum Acacia:** as 2–4% pseudosolution in water.
2. **Gum Tragacanth:** as 2–4% pseudosolution in water.
3. **Glycyrrhiza:** as glycyrrhiza dry extract 1–2 g or liquid extract 2–4 ml, in lozenges and mixtures.
4. **Methylcellulose:** 0.5% in nose drops and contact lens solution; **CADILOSE 0.5% drops in 10 ml bottle.**

5. Propylene glycol: 50% in water.
6. Glycerine: 10–50% in water.

B. Emollients

1. *Vegetable oils*: Olive oil, Arachis oil, Sesame oil, Cocoa butter
2. *Animal products*: Wool fat, Lard, Bees wax, Spermaceti
3. *Petroleum products*: Paraffin wax (soft/hard), Liquid paraffin.

C. Adsorbants and Protectives

1. *Dermal protectives*: Magnesium stearate, Zinc stearate, Talc, Calamine, Zinc oxide, Bentonite, Starch, Boric acid, Aloe-vera gel.
2. *Occlusive protectives*: Polyvinyl polymer, Feracrylum, Dimethicone, Sucralfate.

Preparations

CALADRYL: Calamine 8% diphenhydramine 1%, Camphor 0.1% lotion.

CALAK, CALMIS (Calamine lotion): Calamine 15%, zinc oxide 5%, bentonite 3%, sodium citrate 0.5%, liquified phenol 0.5%, glycerin 5% lotion.

CALACREME 5% cream, CALAMINOL: 5% emulsion.

ALOVIT: Aloe extract 10%, Vit E 0.5% cream.

ALOEDERM: Aloe juice 10%, vit E acetate 0.2%, sesame oil 2% cream.

JULA: Aloe vera juice gel 50% gel.

LUBRIDERM-SF: Dimethicone 4%, vit E acetate 1%, vegetable oil 2%, propylene glycol 10% cream.

HEALEX SPRAY: Polyvinyl polymer 2.5% + benzocaine 0.36% as aerosol wound dressing.

SEPGARD GEL: Feracrylum 1% gel, to be applied as a thin film on the abrasion/wound.

SILENT-SF: White soft paraffin 2.5%, dimethicone 0.5% cream.

BARRIER-SF: Dimethicone 15%, vita E acetate 0.18% cream.

PEPSIGARD LIGHT GEL: Sucralfate 10% gel.

D. Astringents

1. *Vegetable astringents*

Tannic acid: as glycerine of tannic acid 25%

Tannins: as tincture catechu, tea leaf infusion

2. *Alcohols*

Ethanol, Methanol, Propanol

3. *Mineral astringents*

Alum, Aluminium hydroxychloride, Zinc oxide, Zirconyl hydroxychloride

E. Counterirritants

1. *Volatile oils*

Turpentine oil, Eucalyptus oil, Clove oil

2. *Stearoptenes*

Camphor, Thymol, Menthol

3. *Other counterirritants*

Mustard seeds (as mustard plaster), Capsicum, Canthridin, Methylsalicylate, Alcohol

Preparations

ALGIPAN: Capsicum oleoresin 0.1%, histamine 0.1%, methyl nicotinate 1%, glycol salicylate 5% cream.

RELISPRAY: Wintergreen oil (methyl salicylate) 20%, clove oil 1%, Menthol 4%, Nilgiri oil 6%, Camphor 10%, Cinnamon oil 0.5%, turpentine oil 10% spray

ARJET SPRAY: Methyl salicylate 875 mg, menthol 1.6 g, camphor 1.5 g, benzyl nicotinate 20 mg, squalance 250 mg, glycol salicylate 875 mg per 50 ml spray.

EUTHERIA: Eucalyptol 7.2%, menthol 4.7%, methylsalicylate 11.25% balm.

MEDICREME: Methylsalicylate 8%, menthol 2%, adrenaline 0.03%, mephenesin 2.5%, chlorpheniramine 0.2%, cream.

RELAXYL: Capsicum oleoresin 0.05%, mephenesin 10%, methyl nicotinate 1% ointment.

VICKS VAPORUB: Menthol 2.8%, camphor 5.25%, thymol 0.1% turpentine oil 5.5% ointment.

IODEX: Methylsalicylate 5%, iodine 4% nonstaining ointment.

AMRUTANJAN: Eucalyptus oil 17%, camphor 10%, thymol 1%, menthol 4.5%, methylsalicylate 7% ointment.

CAPSIGYL-D: Capsaicin 0.075%, methyl salicylate 20%, menthol 10%, camphor 5%, eucalyptus oil 5%, diclofenac 1% gel.

F. Keratolytics and Caustics

Salicylic acid, Resorcinol, Podophyllum resin, Silver nitrate, Phenol, Trichloroacetic acid, Glacial acetic acid.

Preparations

CORNAC: Salicylic acid 16.5% liquid.

CORN CAP: Salicylic acid 40% ointment in adhesive tape.

FOOT POWDER: Salicylic acid 2% dusting powder.

WHITFIELD-SF: Salicylic acid 3% benzoic acid 6% oint.

PODOWART: Podophyllum resin 20% paint.

CONDYLINE: Podophyllotoxin 0.5% solution.

G. Antiseborrheics

Selenium sulfide, Zinc pyrithione, Sulfur, Resorcinol, Coal tar, Ketoconazole, Clotrimazole, Topical corticosteroids.

Preparations

SELSUN: Selenium sulfide 2.5% susp.

SELDRUFF PLUS: Selenium sulfide 2.5%, clotrimazole 1% susp.

SCALPE: Zinc pyrithione 1%, ketoconazole 2% shampoo.

KETOVATE, NIZRAL: Ketoconazole 2% cream, 2% shampoo.

CANDID-TV SUSP: Selenium disulfide 2.5%, clotrimazole 1% susp.

H. Melanizing agents

1. **Psoralen:** 10–20 mg (0.3–0.6 mg/kg) orally followed 2 hours later by 15–30 min of exposure to sunlight/UV light; 0.25–1% local application on vitiliginous lesion followed by 1 min (initially) exposure to sunlight; exposure time is increased gradually as tolerated; **MANADERM 10 mg tab, 1% oint, PSORLINE 5 mg tab, 0.25% solution, 0.25% oint.**
2. **Methoxsalen:** **MACSORALEN 10 mg tab, 1% solution, MELANOCYL 10 mg tab, 0.75% solution, 0.75% with paraminobenzoic acid 2% oint.** Use similar to psoralen.
3. **Trioxsalen:** **NEOSORALEN 5, 25 mg tabs, 0.2% lotion.** Use similar to psoralen.

I. Demelanizing agents

1. **Hydroquinone:** 2–6% topical application; **EUKROMA 4% cream, MELALITE: Hydroquinone 2% with glyceryl-ester of PABA 2.8% cream, BRITE: hydroquinone 4%, glyceryl PABA 2.8% cream.**
2. **Monobenzone:** 5–20% topical application; **BENOQUIN 20% oint.**
3. **Azelaic acid:** 10–20% topical application; **AZIDERM 10%, 20% cream.**

J. Sunscreens

1. Chemical sunscreens

Para-aminobenzoic acid (PABA): 5–10% topical application; **PABALAK 5% solution, PARAMINOL 10% cream.**

Oxybenzone: 2–6% topical application.

Octyl methoxy cinnamate: 5% topical application;

EUKROMA-SG: Oxybenzone 3%, Octyl methoxycinnamate 5%, hydroquinone 2% cream.

SUNSHIELD: Octyl methoxycinnamate 5% , Vit E 0.25% lotion.

2. Physical sunscreens

Petroleum jelly (heavy), Titanium dioxide, Zinc oxide, Calamine

MELASCREEN: Titanium dioxide, Zinc oxide, Octyl methoxy-cinnamate, benzophenone, avobenzone lotion/cream.

K. Drugs for Psoriasis

1. Topical corticosteroids: (See p. 44, 46)

2. Calcipotriol: 0.005% topical application on the lesions only; **DAIVONEX 0.005% oint.**

3. Tazarotene: 0.05-0.1% topical application daily in the evening;

LATEZ 0.05% gel, 0.1% cream, TAZRET 0.05%, 0.1% cream.

4. Coaltar: 1–6% topical application;

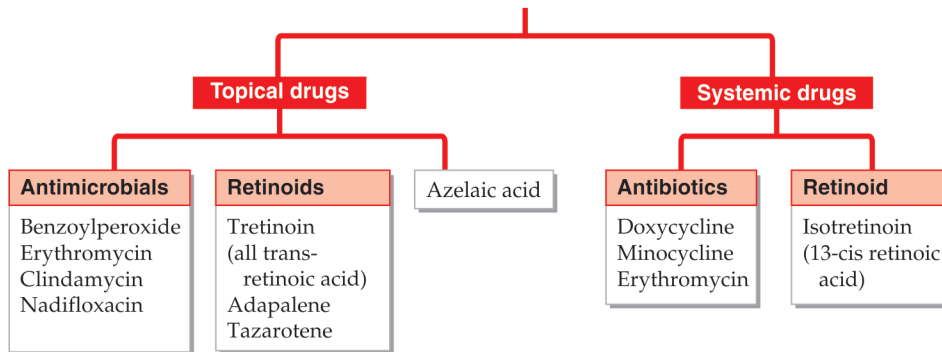
EXTAR: Coaltar 6%, Salicylic acid 3%, Sulfur ppt 3% oint; TARSYL: Coaltar 1%, Salicylic acid 3% lotion, IONAX-T coaltar 4.25%, salicylic acid 2% scalp lotion.

5. Acitretin: 0.5-0.75 mg/kg/day oral; **ACITRIN, ACETEC, ACERET 10, 25 mg tabs.**

6. Psoralen-ultraviolet A (PUVA) therapy

7. Immunosuppressants: Methotrexate, Etanercept.

DRUGS FOR ACNE VULGARIS



Preparations

1. **Benzoyl peroxide:** 2.5–10% topical application;
PERSOL, PERNOX, BENZAC-AC 2.5% and 5% gel; in PERSOL FORTE 10% cream with sulfur ppt. 5%.
2. **Tretinoin (Retinoic acid, all trans vitamin A acid):** 0.025%–0.05% topical application;
EUDYNA 0.05% cream, RETINO-A 0.025% and 0.05% cream.
3. **Adapalene:** 0.1% topical application once daily at bed time; *ADAFERIN, ADAPEN, ACLENE 0.1% gel.*
4. **Azelaic acid:** 10–20% topical application; *AZIDERM 10%, 20% cream.*
5. **Erythromycin:** 2–4% topical application; *ACNEDERM 2% lotion and oint; ERYTOP 3% lotion and cream; EROMED 2% lotion, 4% gel, ACNELAC-Z 4% lotion and gel with zinc acetate 2%.*

6. **Clindamycin:** 1% topical application; **CLINDAC-A, ACNESOL 1% gel and solution.**
7. **Nadifloxacin:** 1% topical application; **NADIBACT, NADOXIN 1% topical cream**
8. **Isotretinoin (13-cis retinoic acid)** 0.5–1 mg/kg/day; **ISOTRETIN, SOTRET 10, 20 mg cap, IRET 20 mg cap.**

ANTISEPTICS AND DISINFECTANTS

1. *Phenol derivatives:*

Phenol, Cresol, Hexylresorcinol, Chloroxylenol, Hexachlorophene.

2. *Oxidizing agents:*

Pot. permanganate, Hydrogen peroxide, Benzoyl peroxide.

3. *Halogens:*

Iodine, Iodophores, Chlorine, Chlorophores.

4. *Biguanide*

Chlorhexidine.

5. *Quaternary ammonium (Cationic);*

Cetrimide, Benzalkonium chloride (Zephiran), Dequalinium chloride.

6. *Soaps*

of Sod. and Pot.

7. *Alcohols*

Ethanol, Isopropanol.

8. *Aldehydes*

Formaldehyde, Glutaraldehyde.

9. *Acids*

Boric acid, Acetic acid.

10. *Metallic salts*

Silver nitrate, Silver sulfadiazine, Mild silver protein, Zinc sulfate, Calamine, Zinc oxide.

11. *Dyes*

Gentian violet, Brilliant green, Acriflavine, Proflavine.

12. *Furan derivative*

Nitrofurazone.

Preparations

1. Phenol: 1–5%

2. Cresol: 0.5–4%; **LYSOL 50% emulsion of cresol.**

3. Chloroxylenol: 0.5–5%; **DETTOL 4.8% solution, 0.8% cream, 0.8% soap, 1.4% lubricating obstetric cream, DETTOLIN 1% mouthwash**

4. Hexachlorophene: 0.2–3.0% in soaps, dusting powder, etc.

5. Potassium permanganate: as 1:4000–1:10,000 aqueous solution (Condy's lotion).

6. Hydrogen peroxide: 10–30%

7. Iodine: 2% as Tincture iodine (alcoholic solution), 1.25% in Mandel's throat paint; **IODEX 4% nonstaining oint.**

8. Povidone iodine: 1–10%;

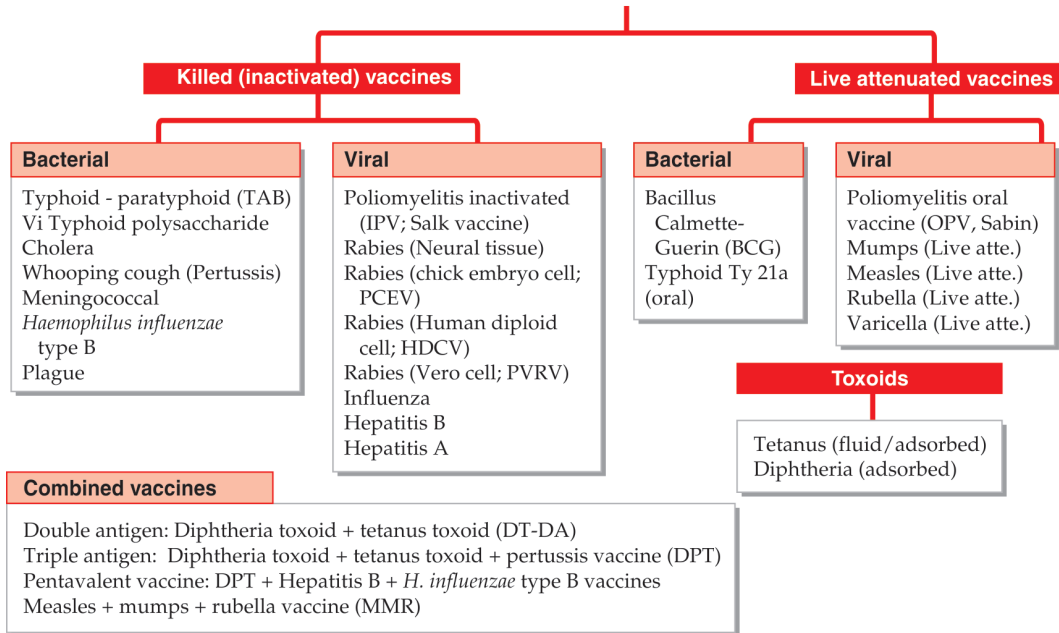
BETADINE 5% solution, 5% ointment, 5% cream, 7.5% scrub solution, 5% powder, 10% paint, 2% gargle, 200 mg vaginal pessary; PIODIN 10% solution, 10% cream, 1% mouth wash; RANVIDONE AEROSOL 5% spray with freon propellant.

9. Chlorine: 0.2–0.4 parts per million (ppm).
10. Chlorinated lime: BLEACHING POWDER (30% chlorine).
11. Sodium hypochlorite: 4–6% solution.
12. Chlorhexidine: 0.1–1.5% solution; CHLODIN, HEXIL, REXIDIN, FLUDENT-CH 0.2% mouth wash.
13. Cetrimide: 0.5–3% solution.
CETAVLON CONCENTRATE: Cetrimide 20%
SAVLON LIQUID ANTISEPTIC: Chlorhexidine gluconate 1.5% + Cetrimide 3%.
SAVLON/CETAVLEX CREAM: Chlorhexidine HCl 0.1% + Cetrimide 0.5%.
SAVLON HOSPITAL CONCENTRATE: Chlorhexidine gluconate 7.5% + Cetrimide 15%.
14. Dequalinium chloride: 0.25–1.0%; DEQUADIN 0.25 mg lozenges.
15. Ethanol: 70–90%
16. Isopropanol: 70–90%
17. Formaldehyde: 4% as diluted FORMALIN (37%)
18. Glutaraldehyde: 2%
19. Boric acid: 4% solution in warm water, 30% in Boroglycerine paint;
BOROCIDE 10% oint, BOROSPIRIT 10% ear drops.
20. Acetic acid: 1–5%
21. Silver nitrate: 1%
22. Zinc sulfate: 1–4%; ZINCO-SULFA 0.1% eye drops, THIOSOL 2.5% lotion, THIOSOL FORTE 4% lotion.
23. Gentian violet: 0.5–1.0%
24. Acriflavine: 0.1–1%; ACRINOL 0.1% cream.
25. Nitrofurazone: 0.2–1.0%; FURACIN 0.2% cream, soluble oint, powder.

ECTOPARASITICIDES

- 1. Permethrin:** *For scabies:* PERMITE, OMITE, NOMITE 5% cream; apply all over the body except face and head; wash after 8–12 hours; SCABERID 5% cream, 1% soap; SCABPER 5% lotion.
For head lice: PERLICE, KERALICE 1% cream rinse, SCALTIX 1% lotion; massage about 30 g into the scalp, washoff after 10 min.
- 2. Lindane (Gamma benzene hexachloride, BHC):**
For pediculosis: apply to scalp and hair (taking care not to enter eyes), leave for 12–24 hr. (a shower cap may be used for long hair) and then wash off. If lice are still present repeat treatment after 1 week.
For scabies: the lotion/cream is rubbed over the body (below neck) and a scrub bath taken 12–24 hr later. Single treatment suffices in most patients; can be repeated after a week;
GAB 1% lotion, ointment; GAMADERM, SCABOMA 1% lotion; GAMASCAB 1% lotion, cream; ASCABIOL 1% emulsion with cetrimide 0.1%.
- 3. Benzyl benzoate:** Apply 25% emulsion/ointment all over body (except face and neck) after a cleansing bath. Apply 2nd coat next day and wash off 24 hours later;
DERMIN 25% lotion; SCABINDON 25% oint with DDT 1% and benzocaine 2%,
BENZYLBenzoate APPLICATION 25% lotion.
- 4. Crotamiton:** Apply 10% lotion/cream twice at 24 hour interval and wash off the next day;
CROTORAX 10% cream and lotion.
- 5. Sulfur:** Apply 10% ointment daily for 3 days followed by soap-water bath on 4th day.
- 6. Dicophane (DDT):** Apply 1–2% lotion/ointment all over except face, wash off next day;
in SCABINDON 1% ointment with benzylbenzoate 25% and benzocaine 2%.
- 7. Ivermectin:** 12 mg (0.2 mg/kg) oral single dose for scabies, head and body lice;
IVERMECTOL, AVERTOL, IVERIN 3, 6 mg tabs, to be taken on empty stomach.

VACCINES



Preparations

1. Typhoid, Paratyphoid A, B (TAB vaccine): 0.5 ml s.c. 2–3 injections at 2–4 week intervals.
2. Vi Typhoid polysaccharide vaccine: 0.5 ml s.c./i.m. once, may be repeated after 3 years; **VACTYPH, TYPHIM Vi, TYPHIVAX 0.025 mg in 0.5 ml inj.**
3. Typhoid: Ty 21a oral vaccine: 3 caps taken in 3 doses on alternate days in-between meals; **TYPHORAL *S. typhi* strain Ty21A 10⁹ organism per cap.**
4. Cholera vaccine: 0.5 ml s.c./i.m., repeat 1 ml after 4 weeks.
5. Whooping cough (pertussis) vaccine: 0.25–0.5 ml s.c./i.m. 3 doses at 4 week intervals in infants and children below 5 years age.
6. Meningococcal A & C vaccine: 0.5 ml s.c./i.m. single dose; **MENINGOCOCCAL A & C, MENCEVAX A & C 0.5 ml amp, 5 ml vial.**
7. Haemophilus influenzae type B (Hib) vaccine: 0.5 ml i.m. 2 doses at 8 weeks gap for children over 1 year, infants 2–12 month 3 doses; **VAXEM HIB, HIB-TITER 0.5 ml and 5.0 ml vial.**
8. Bacillus Calmette-Guérin (BCG) vaccine: 0.05 ml (neonate) 0.1 ml (older infants and children) intracutaneous injection in deltoid region.
9. Oral poliovirus vaccine (OPV, Sabin vaccine): 0.5 ml directly in the mouth at birth and at 6, 10, 14 weeks, booster dose at 15–18 month and at school entry.
10. Inactivated poliomyelitis vaccine (IPV, Salk vaccine): 1 ml s.c. 3 injections at 4–6 week intervals and then 6–12 months later, booster doses every 5 years.
11. Purified chick embryo cell vaccine (PCEV): 2.5 IU/ml inj; 0.1 ml intradermal (i.d.) over deltoid of both arms on days 0, 3, 7 and over one arm only on days 28 and 90 (total 8 injections) for post exposure prophylaxis of rabies; for primary prophylaxis 3 doses of 0.1 ml i.d. on days 0, 7 and 28; **RABIPUR 1 ml inj.**

12. **Human diploid cell vaccine (HDCV):** 2.5 i.u./ml inj; 0.2 ml i.d. over both deltoids on days 0, 3 and 7 and over one only on days 28 and 90 (total 8 injections), for post exposure prophylaxis of rabies; for primary prophylaxis 3 doses of 0.1 ml each i.d. on days 0, 7 and 28; **MERIEUX HDC 2.5 IU inj.**
13. **Purified vero cell rabies vaccine (PVRV):** 2.5 i.u./ml inj; 0.2 ml i.d. over both deltoids on days 0, 3 and 7 and over one only on days 28 and 90 (total 8 injections) for post exposure prophylaxis of rabies; for primary prophylaxis 3 doses of 0.1 ml each i.d. on days 0, 7 and 28; **VERORAB 1 ml inj; VEROVAX-R 0.5 ml inj.**
14. **Influenza virus vaccine:** 0.25 ml (6 month–3 year age), 0.5 ml (> 3 year age) i.m. 2 injections 1–2 months apart; **VAXIGRIP 0.5 ml prefilled syringe.**
15. **Hepatitis B vaccine:** 1 ml i.m. in deltoid muscle at 0, 1, 6 months (children < 10 yr 0.5 ml injection in the thigh); **ENGERIX-B, ENIVAC-HB 1 ml (single dose) and 10 ml (multiple dose) vials.**
16. **Hepatitis A vaccine:** 0.5 ml i.m. single dose, may be repeated after 6 months; **AVAXIM 0.5 ml prefilled syringe, HAVRIX 0.5 ml, 1.0 ml inj.**
17. **Measles vaccine live attenuated:** 1000 TCID₅₀ s.c. single dose; **ROUVAX, RIMEVAX, M-VAC 1000 TCID₅₀/vial inj.**
18. **Rubella vaccine:** 1000 TCID₅₀ i.m./s.c. single dose; **R-VAC 1000 TCID₅₀ in 0.5 ml inj.**
19. **Measles-Mumps-Rubella (MMR) vaccine:** 0.5 ml i.m./deep s.c. single dose; **TRIMOVAX** lyophilized measles 1000 TCID₅₀ of Schwarz strain, mumps 5000 TCID₅₀ and rubella 1000 TCID₅₀ per unit dose (0.5 ml) vial. **TRESIVAC** lyophilized measles 5000 TCID₅₀ of Edmonston Zagreb strain, mumps 5000 TCID₅₀ and rubella 4000 TCID₅₀ per unit dose (0.5 ml) vial.
20. **Varicella vaccine:** 0.5 ml s.c. single dose for children 1–12 years, and 2 doses 6–10 weeks apart in those >12 years. **VARILRIX, OKAVAX 0.5 ml inj.**
21. **Tetanus toxoid:** 0.5 ml i.m. (also s.c.) 2 doses 4–6 weeks apart for primary immunization, booster dose every 10 years, or after a risky wound; **TETANUS TOXOID ADSORBED 0.5 ml amp, 5.0 ml vial.**

22. **Diphtheria toxoid:** 0.5 ml i.m. 2–3 injections 4–6 weeks apart in children below 6 years, booster doses after 1 year and at school entry.
23. **Double antigen (Diphtheria-Tetanus toxoids):** 0.5 ml i.m. 2–3 injections 4–8 weeks apart;
DUAL ANTIGEN 0.5 ml amp, 5 ml vial.
24. **Triple antigen (Diphtheria-Pertussis-Tetanus, DPT):** 0.5 ml i.m. 2–3 injections 4–8 weeks apart between 3–9 months age, booster dose at 18 months age; **TRIPVAC 0.5 ml amp, 10 ml multidose vial.**

ANTISERA AND IMMUNE GLOBULINS

Antisera (from Horse)

Tetanus antitoxin (ATS)
 Gas gangrene antitoxin (AGS)
 Diphtheria antitoxin (ADS)
 Antirabies serum (ARS)
 Antisnake venom polyvalent

Immune globulins (Human)

Normal human gamma globulin
 Rho(D) immune globulin
 Tetanus immune globulin
 Rabies immune globulin
 Hepatitis-B immune globulin

Preparations

1. **Tetanus antitoxin (ATS):** Prophylactic 1500–3000 IU, i.m. or s.c.; therapeutic 50,000–100,000 IU part i.v. and rest i.m.;
TETANUS ANTITOXIN 750 IU, 1500 IU, 5000 IU, 10,000 IU, 20,000 IU, and 50,000 IU in 1–10 ml ampoules.
TETANUS IMMUNE SERUM (enzyme refined, equine) 10,000 and 20,000 IU vials.
2. **Gasgangrene antitoxin (AGS):** Prophylactic 10,000 IU; therapeutic 30,000–75,000 IU s.c./i.m./i.v.;
AGGS 10,000 IU amp.

3. **Diphtheria antitoxin (ADS):** 20,000–40,000 IU i.m. or i.v. for pharyngeal/laryngeal disease of upto 48 hour duration. Higher dose (upto 100,000 IU may be needed).
DIPHThERIA ANTITOXIN 10,000 IU in 10 ml amp.
4. **Antirabies serum (ARS):** 40 IU/kg infiltrated round the bite wound; **IMORAB 1000 IU/5 ml inj.**
5. **Antisnake venom polyvalent:** 20 ml i.v. repeated 1–6 hourly till symptoms of envenomation disappear (total upto 300 ml); **ANTISNAKE VENOM SERUM POLYVALENT, ASVS** lyophilized vial to be reconstituted with 10 ml distilled water; each ml of reconstituted serum neutralizes 0.6 mg cobra, 0.6 mg Russel's viper, 0.45 mg of saw scaled viper and 0.45 mg of Krait venoms.
6. **Normal human gamma globulin:** 0.02–1.0 ml/kg i.m.; **GAMMALIN, GLOBUNAL, Sii GAMMA GLOBULIN, GAMAFINE 10%, 16.5%** injection in 1, 2 ml amps; for i.v. use **sii IVGG, ZY-IVGG 0.1–0.4 g/kg/day; 0.5, 1.0, 2.5 g vials.**
7. **Rho(D) immune globulin:** (*See p. 177*)
8. **Tetanus immune globulin:** Prophylactic 250–500 IU, therapeutic 3000–6000 IU i.m. and/or 250–500 IU intrathecal; **Sii TIG 250 IU (liquid), 500 IU (lyophilized), TETNAL 250 IU/2 ml inj., TETAGAM 250 IU/ml inj.**
9. **Rabies immune globulin (HRIG):** 20 IU/kg infiltrated round the bite on the day of exposure, excess injected i.m.; **BERIRAB-P 300 IU/2 ml and 750 IU/5 ml inj; RABGLOB 300 IU/2 ml inj.**
10. **Hepatitis B immune globulin:** 1000–2000 IU (adults), 32–48 IU/kg (children) to be administered within 7 days of exposure; **HEPAGLOB 100 IU (0.5 ml) 200 IU (1 ml) per vial for i.m. inj.**

Index of Nonproprietary Names of Drugs

A

- Abacavir 154, 156
Abciximab, 113, 115
Acarbose 42, 43
Acebutolol 12, 13
Aceclofenac 23, 24
Acenocoumarol 111, 113
Acetazolamide 102, 103
Acetic acid 187
Acetomenaphthone 109, 110
Acetylcholine 1, 6
Acetylcysteine 29, 30
Acitretin 183
Acriflavine 187
Actinomycin D 170, 174
Acylovir 153, 155
Adalimumab 27, 176
Adapalene 184
Adefovir dipivoxil 153, 156
Adenosine 99, 101
Adrenaline 7, 8, 63
Adrenochrome monosemi-
carbazone 109, 110
Adrenocorticotropic
hormone 37
Albendazole 166, 167
Aldosterone 44
Alfuzosin 10, 11
Aliskiren 88, 90
Allopurinol 27, 28
Allylestrenol 53, 54
Alogliptin 42
Alprazolam 67, 68, 81, 82
Alprostadil (PGE1) 21, 47
Alteplase, 113, 114
Alumin. hydroxide 118,
120
Amantadine 72, 74, 153,
155
Ambroxol 29, 30
Amikacin 140, 145, 147, 148
Amiloride 88, 102, 104
Amineptine 79, 81
Aminoglycosides 130, 140
Aminophylline 33, 34
Amiodarone 99, 100
Amisulpiride 75, 78
Amitriptyline 19, 67, 79, 80
Amlodipine 89, 91, 92, 93
Ammonium chloride 29, 30
Amodiaquine 158, 159, 160
Amoxapine 79, 80
Amoxicillin 118, 121, 134,
136
Amphetamine 7, 8, 85
Amphotericin B 130, 150,
151, 165
Ampicillin 128, 134, 135,
136
Amprenavir 154
Anakinra 27, 176
Anastrozole 50, 52, 171
Androsterone 47
Anidulafungin 150
Antihaemophilic factor
109, 110
Antirabies serum 192, 193
Antisnake venom
polyvalent 192, 193
Antithymocyte antibody
(ATG)/Antithymocyte
globulin 176, 177
Antithyroid drugs 39
Apomorphine 37
Apraclonidine 14
Aprepitant 122, 124
Aqueous vasopressin/
Arginine vasopressin
(AVP) 104

- Ardeparin 112
 Arecoline 1
 Argatroban 111
 Aripiprazole 75, 76, 77
 Armodafinil 85
 Arsenic trioxide 170
 Arteether 158, 161
 Artemether 158, 161
 Arterolane 158, 161
 Artesunate 158, 160
 Aspirin 19, 23, 24, 95, 113, 115
 Atazanavir 154, 157
 Atenolol 12, 13, 88, 92, 93
 Atomoxetine 79, 85, 86
 Atorvastatin 116
 Atosiban 58
 Atovaquone 158
 Atracurium 60, 61
 Atropine 3, 4, 66
 Atropine methonitrate 3, 4
 AVP 104
 Azathioprine 27, 28, 128, 169, 173, 176, 177
 Azelaic acid 182, 184
 Azelastine 16, 17
 Azithromycin 143
 Aztreonam 139
- B**
- 2-Bromo LSD 18
 Bacampicillin 134, 136
 Bacillus Calmette-Guérin 189, 190
 Bacitracin 130, 144
 Baclofen 60, 62
 Balsalazide 128, 129
 Bambuterol 7, 33, 34
 Basiliximab 176
 Beclomethasone dipropionate 33, 35, 44, 46
 Benazepril 90
 Benidipine 89, 91
 Benoxinate 63
 Benserazide 72, 73
 Benzathine penicillin G 135
 Benzocaine 62, 63
 Benzoic acid 150, 152
 Benzoyl peroxide 184
 Benzthiazide 102
 Benzyl benzoate 188
 Benzyl penicillin (Penicillin G) 134, 135
 Betahistine 16, 17
 Betamethasone 44, 45
 Betamethasone benzoate 44, 46
 Betamethasone valerate 44, 46
 Betaxolol 14
 Bethanechol 1, 2
 Bevacizumab 171
 Bezafibrate 116, 117
 Bicalutamide 47, 49, 171
 Bicuculline 85
 Bimatoprost 14, 15, 21
 Biperiden 3, 5, 72, 74
 Bisacodyl 125, 126
 Bishydroxycoumarin 111, 112
 Bismuth subsalicylate 128
 Bisoprolol 12, 13, 97
 Bivalirudin 111
 Bleomycin 170, 174
 Boric acid 187
 Bortezomib 171, 175
 Brimonidine 14
 Brinzolamide 14
 Bromhexine 29, 30
 Bromocriptine 37, 38, 42, 72, 73
 Budesonide 33, 35
 Bumetanide 97, 102, 103
 Bupivacaine 62, 63
 Buprenorphine 83, 84
 Bupropion 79, 81
 Buspirone 81, 82
 Busulfan 169, 172
 Butenafine 150, 152
 Butobarbitone 67
 Butorphanol 83, 84
 Butylaminobenzoate 62, 63
- C**
- Cabergoline 37, 38
 Caffeine 85, 86
 Cal. carbonate 118
 Calamine 183
 Calcipotriol 183
 Calcium disodium DTPA 178

- Calcium disodium edetate 178
Candesartan 88, 90, 97
Capecitabine 169
Capreomycin 145, 147, 148
Captopril 88, 90
Carbachol 1, 6
Carbamazepine 69, 70, 77, 102
Carbapenems 130
Carbaryl 1
Carbenicillin 134, 136
Carbidopa 72, 73
Carbimazole 39, 40
Carbocysteine 29, 30
Carbonyl iron 105
Carboplatin 169, 174
Carboprost 21, 58
Carisoprodol 60, 61
Carmustine 169
Carteolol 14
Carvedilol 12, 13, 88, 97
Cascara sagrada 125
Caspofungin 150, 151
Castor oil 125
CBS 118
Cefaclor 137, 138
Cefadroxil 137, 138
Cefazolin 137, 138
Cefdinir 137, 139
Cefepime 137, 139
Cefixime 137, 139
Cefoperazone 137, 139
Cefotaxime 137, 138
Cefoxitin 137
Cefpirome 137, 139
Cefpodoxime proxetil 137, 139
Cefprozil 137, 138
Ceftamet pivoxil 137, 139
Ceftazidime 137, 139
Ceftibuten 137, 139
Ceftizoxime 137, 138
Ceftriaxone 137, 138
Cefuroxime 137, 138
Cefuroxime axetil 137, 138
Celecoxib 23, 25
Celiprolol 12, 13
Centchroman 57
Cephalexin 137, 138
Cetirizine 16, 17
Cetrimide 187
Cetrorelix 37
Cetuximab 171
Chlophedianol 29, 30
Chloral hydrate 67
Chlorambucil 169, 172, 177, 176
Chloramphenicol 130, 142
Chloramphenicol palmitate 142
Chloramphenicol succinate 142
Chlordiazepoxide 67, 81, 82
Chlorhexidine 187
Chlorinated lime 187
Chlorine 187
Chlormezanone 60, 61
Chloroprocaine 62
Chloroquine 27, 28, 158, 159, 162, 164
Chloroxylonol 186
Chlorpheniramine 16, 17, 29
Chlorpromazine 10, 37, 66, 67, 75, 76, 122, 123
Chlorpropamide 102
Chlorthalidone 88, 91, 92, 102, 103
Chlorzoxazone 60, 61
Cholera vaccine 190
Cholestyramine 116, 177
Choline theophyllinate 33, 35
Ciclesonide 33, 36
Ciclopirox olamine 150, 152
Cidofovir 153
Cilostazol 95, 96
Cimetidine 118, 119
Cinnarizine 16, 17, 18, 123
Ciprofloxacin 128, 130, 131, 133, 145, 147, 148
Cisapride, 122
Cisatracurium 60, 61
Cisplatin 169, 174
Citalopram 79, 80
Citicoline 85, 87

- Clarithromycin 118, 121, 143, 147, 149
Clavulanic acid 134, 136
Clemastine 16, 17
Clidinium 3, 4
Clindamycin 130, 143, 158, 160, 185
Clobazam 67, 69, 71
Clobetasol butyrate 44, 46
Clobetasol propionate 44, 46
Clofazimine 147, 149
Clofibrate 116
Clomiphene citrate 50, 52
Clomipramine 79, 80
Clonazepam 67, 69, 70
Clonidine 88, 91
Clopamide 102, 103
Clopidogrel 95, 113, 115
Clorgyline 79
Clotrimazole 150, 151
Cloxacillin 134, 135, 136
Clozapine 18, 75, 76
Coaltar 183
Cocaine 62, 85
Codeine 19, 29, 30, 83, 84, 128, 129
Colchicine 27, 28
Colestipol 116
Colistin 130, 144
Colloidal bismuth subcitrate 118, 121
Colloidal ferric hydroxide 106
Conjugated estrogens 51
Copper 105
Cotrimoxazole 128, 132
Cresol 186
Crotamiton 188
Cyanocobalamin 105, 108
Cyclandelate 95, 96
Cyclopentolate 3, 5
Cyclophosphamide 169, 172, 176, 177
Cycloserine 130, 145, 146, 147
Cyclosporine 27, 128, 176, 177
Cyproheptadine 16, 17, 18, 19
Cyproterone acetate 47, 49
Cytarabine 169, 173
- D**
- Dabigatran-etexilate 111
Dacarbazine 169, 172
Daclizumab 176
Dalteparin 112
Danaparoid 111
Danazol 49
Dantrolene 60, 61
Dapagliflozin 42
Dapoxetine 79, 80
Dapsone 147, 149, 158, 160
Daunorubicin 170, 174
Decamethonium 60
Deferiprone 178
Deflazacort 44, 45
Dehydroemetine 162, 164
Delavirdine 154
Demeclocycline 141
Depot medroxyprogesterone acetate 55, 57
Dequalinium chloride 187
Desamino-oxytocin 58, 59
Desferrioxamine 178
Desflurane 64
Desipramine 79
Desloratadine 16, 17
Desmopressin 102, 104, 109
Desogestrel 53, 54, 55, 56
Desoxycorticosterone acetate 44, 45
Dexamethasone 44, 45, 122, 124
Dexamethasone sod. phosphate 44, 46
Dexamethasone trimethylacetate 46
Dexamphetamine 7, 8
Dexchlorpheniramine 16, 17
Dexfenfluramine 7
Dextrabeprazole 118, 120
Dextran-40 117
Dextran-70 117
Dextromethorphan 29, 30
Dextropropoxyphene 83, 84
Diacetylmorphine (Heroin) 83

- Diazepam 60, 63, 65, 66, 67, 68, 69, 71, 81, 82, 124
Diazinon (TIK-20) 1
Diazoxide 89
Dibucaine 62, 63
Diclofenac 19, 23, 24, 26
Dicloxacillin 134
Dicophane 188
Dicumarol 112
Dicyclomine 3, 4, 122, 123
Didanosine 154, 156
Dienestrol 50, 51
Dietary fibre: bran 125
Diethylcarbamazine citrate 166, 167
Diethylstilbestrol 50
Digoxin 97, 98, 99
Dihydroergotamine 10, 11, 19, 20
Dihydroergotoxine 10, 11, 85, 87
Dihydrotestosterone 47, 48
Diiodohydroxyquin 162, 164, 165
Diloxanide furoate 161, 162
Diltiazem 89, 91, 93, 99, 101
Dimaprit 16
Dimenhydrinate 16, 17, 122, 123
Dimercaprol 178
Dimercaptosuccinic acid 178
Dimethyl phenyl piperazinium 6
Dimethyl tryptamine 77
Dinoprost 21
Dinoprostone 21
Diphenhydramine 16, 17, 29, 122, 123
Diphenoxylate 128
Diphenoxylate-atropine 129
Diphtheria toxoid (adsorbed) 189
Diphtheria antitoxin 192, 193
Diphtheria toxoid 189, 192
Dipivefrine 14
Dipyridamole 93, 113, 115
Disopyramide 99, 100
Divalproex 69, 70
Dobutamine 7, 8, 97
Docetaxel 170, 173
Docusates 125, 126
Dofetilide 99
Domperidone 19, 66, 122, 123
Donepezil 1, 2, 85, 86
Dopamine 7, 8, 97
Doripenem 140
Dorzolamide 14, 15
Dothiepin 79, 80
Double antigen 189, 192
Doxacurium 60, 61
Doxapram 85, 86
Doxazosin 10, 11, 88
Doxepin 79, 80
Doxophylline 33, 35
Doxorubicin 170, 174
Doxycycline 141, 158, 160, 184
Doxylamine 122, 123
Dronabinol 122, 124
Dronedarone 99
d-Tubocurarine 60
Duloxetine 79, 81
Dutasteride 47, 49, 171
Dydrogesterone 53, 54
Dyflon (DFP) 1
- E**
- Ebastine 16, 18
Echothiophate 1, 14
Econazole 150, 151
Ecstasy 77
Edrophonium 1
Efavirenz 154, 157
Emetine 162, 164
Emtricitabine 154
Enalapril 88, 90, 92, 97
Enfuvirtide 154
Enoxaparin 112
Entacapone 72, 74
Ephedrine 7, 8
Epirubicin 170, 174
Eplerenone 88, 97, 102, 104
Epsilon amino-caproic acid 113, 114
Eptifibatide 113, 115
Ergometrine 58, 59

- Ergotamine 10, 11, 18, 19, 20
Ergotoxine 10
Erlotinib 171, 175
Erythritol tetranitrate 93, 94
Erythromycin 128, 130, 142, 184
Erythromycin estolate 142
Erythromycin ethylsuccinate 143
Erythromycin stearate 142
Escitalopram 79, 80
Esmolol 12, 13, 99, 100
Esomeprazole 118, 119
Estradiol 50
Estradiol benzoate/
cypionate/enanthate/
valerate 51
Estradiol dermal gel 51
Estradiol transdermal 51
Estramustine 170, 173
Estriol 50
Estriol succinate 51
Estrone 50
Eszopiclone 67
Etanercept 27, 28, 176, 177
Ethacridine 58, 59
Ethambutol 145, 146, 147
Ethamsylate 109, 110
Ethanol 187
Ether 64
Ethinylestradiol 50, 51, 55, 55, 56, 171
Ethionamide 145, 146, 147, 149
Ethosuximide 69, 70
Ethylbiscoum acetate 111, 113
Ethylmorphine 29, 30, 83
Etodolac 23, 25
Etomidate 64
Etoposide 170, 173
Etoricoxib 23, 25
Eutectic Lidocaine-
prilocaine 63
Everolimus 176
Exemestane 50, 52, 171
Ezetimibe 116, 117
F
5-Fluorouracil 169, 173
Famciclovir 153, 155
Famotidine 66, 118, 119
Faropenem 140
Febuxostat 27, 28
Felodipine 89, 91
Fenfluramine 7
Fenofibrate 116, 117
Fentanyl 64, 65, 83, 84
Ferric ammonium citrate 105
Ferric carboxy-maltose 105, 108
Ferric hydroxy polymaltose 105
Ferrous aminoate 105
Ferrous fumarate 105, 106
Ferrous gluconate 105, 106
Ferrous succinate 105
Ferrous sulfate 105, 106
Ferrous-sucrose 108
Fexofenadine 16, 17
Fibrinogen 109, 110
Finasteride 47, 49, 171
Flavoxate 3, 5
Flecainide 99
Fluconazole 150, 152
Flucytosine 150
Fludarabine 169, 173
Fludrocortisone 44, 46
Flunarizine 19, 20
Flunisolide 33, 36
Fluocinolone acetonide 44, 46
Fluocortolone 44, 46
Fluoxetine 79, 80
Fluoxymesterone 47
Flupenthixol 75, 76
Fluphenazine 76
Flurazepam 67, 68
Flurbiprofen 23, 24, 26
Flutamide 47, 49, 171
Fluticasone propionate 33, 36, 44, 46
Fluvoxamine 79, 80
Folic acid 105, 108
Folinic acid 105, 109

- Follicle stimulating hormone 37
Fomivirsen 153
Fondaparinux 111, 112
Formaldehyde 187
Formoterol 7, 33, 34
Fortified procaine penicillin G inj 135
Fosaprepitant 122
Foscarnet 153
Fosfestrol 51, 171
Fosinopril 88, 90
Fosphenytoin 69, 70
Framycetin 140, 141
Frovatriptan 19
Fulvestrant 50, 52, 171
Furazolidone 164
Furosemide (Frusemide) 88, 97, 102, 103
- G**
- Gabapentin 19, 69, 71
Galantamine 1, 2, 85, 86
Ganciclovir 153, 155
Ganirelix 37
Gas gangrene antitoxin 192
Gefitinib 171, 175
Gemeprost 21, 22
Gemfibrozil 116, 117
Gemfloxacin 131, 133
Gentamicin 140
Gentian violet 187
Gepirone 81
Gestodene 53
Ginkgo biloba 85, 87
Glibenclamide 42, 43
Gliclazide 42, 43
Glimepiride 42, 43
Glipizide 42, 43
Glucocorticoids 27
Glutaraldehyde 187
Glutethimide 67
Glycerine (Glycerol) 29, 102, 179
Glyceryl trinitrate 93, 94, 97
Glycopyrrolate 3, 5, 66
Glycyrrhiza 178
Goserelin 37
Granisetron 18, 122, 124
Griseofulvin 150, 151
Growth hormone 37, 38
Guaiphenesin 29, 30
Gum Acacia 178
Gum Tragacanth 178
- H**
- Halcinonide 44, 46
Halofantrine 158
Haloperidol 66, 75, 76
Halothane 58, 64
Hamycin 150, 151
Harmine 77
Heparin 111, 112
Hepatitis A vaccine 189, 191
Hepatitis B immune globulin 192, 193
Hepatitis B vaccine 189, 191
Hetastarch 117
Hexachlorophene 186
Hexamethonium 6
Hexestrol 50
Histamine 16
Homatropine 3, 5
Human albumin 117
Human chorionic gonadotropin 38
Human diploid cell vaccine 189, 191
Hydralazine 89, 91, 97
Hydrochlorothiazide 88, 91, 92, 97, 102, 103
Hydrocortisone 33, 44, 45, 46, 128
Hydrocortisone acetate 44, 46, 47
Hydrocortisone butyrate 44, 47
Hydroflumethiazide 102
Hydrogen peroxide 186
Hydroquinone 182
Hydroxocobalamin 105, 108
Hydroxychloroquine 27, 28
Hydroxyethyl theophylline 33, 34
Hydroxyprogesterone caproate 53, 54
Hydroxyurea 170, 174
Hydroxyzine 16, 17, 81, 82

- Hyoscine 3, 4, 66, 122, 123
Hyoscine butyl bromide 3, 4
- I**
- Ibuprofen 19, 23, 24, 26
Ibutilide 99
Idoxuridine 153, 155
Ifosfamide 169, 172
Imatinib 171, 175
Imetit 16
Imidapril 90
Imipenem-cilastatin 139
Imipramine 79, 80
Impromidine 16
Inactivated poliomyelitis vaccine 190
Inamrinone 97, 98
Indapamide 88, 102, 91, 103
Indinavir 154, 157
Indomethacin 23, 24, 102
Infliximab 27, 128, 176
Influenza virus vaccine 189, 191
Insulin analogues 40
Insulin aspart 40, 41
Insulin detemir 40
Insulin glargine 40, 41
Insulin glulisine 40
Insulin lispro 40, 41
Insulin zinc suspension 40
Interferon α 153, 156
Iodide 39, 40
Iodine 39, 186
Ipratropium bromide 3, 5, 33, 35
Irbesartan 88, 90, 92
Irinotecan 170, 174
Iron-cal. complex 105
Iron-dextran 105, 108
Iron-sorbitol-citric acid 105, 108
Isoflurane 64
Isoniazid 145, 146, 147
Isoprenaline 7, 8
Isopropamide 3, 4
Isopropanol 187
Isosorbide 102
Isosorbide dinitrate 93, 94, 97
Isosorbide mononitrate 93, 94
Isotretinoin 184, 185
Isoxsuprine 7, 9, 58, 95
Ispaghula 125, 126, 128
Ispapirone 81
Itopride 122, 123
Itraconazole 150, 152
Ivabradine 93, 94
Ivermectin 166, 167, 188
- K**
- Kanamycin 140, 145, 146, 147
Kaolin 128
Ketamine 64, 65
Ketanserin 18
Ketoconazole 150, 152
Ketoprofen 23, 24, 26
Ketorolac 23, 25
Ketotifen 33, 35
- L**
- Labetalol 12, 13, 88
Lacidipine 89, 91
Lacosamide 69
Lactulose 125, 127
Lamivudine 153, 154, 156, 157
Lamotrigine 69, 71, 77
Lanreotide 37
Lansoprazole 118, 119
L-Asparaginase 170, 174
Latanoprost 14, 15, 21
Leflunomide 27, 28
Lepirudin 111
Lercanidipine 89, 91
Letrozole 50, 52, 171
Leuprolide 37, 39
Leuprorelin 171
Levamisole 166, 167
Levetiracetam 69, 71
Levobunolol 14
Levocetirizine 16, 17
Levodopa 72, 73
Levodopa-Benserazide 73
Levodopa-Carbidopa 73
Levofloxacin 131, 133, 145, 147, 148
Levonorgestrel 53, 54, 55, 56
Lidocaine 62, 63, 99, 100
Linagliptin 42

- Lincomycin 143
Lindane 188
Linezolid 130, 144, 147
Liposomal amphotericin B
151, 165, 166
Liquid paraffin 125, 126
Liquorice 29
Lisinopril 88, 90, 92
Lithium 77, 78
Lobeline 6
Lomefloxacin 131, 133
Lomustine 169, 172
Loperamide 128, 129
Lopinavir 154, 157
Loratadine 16, 17
Lorazepam 64, 65, 66, 67,
69, 71, 81, 82
Losartan 88, 90, 92, 97
Lovastatin 116
Low molecular weight
heparins 111, 112
Loxapine 75, 76
L-Thyroxine sod 40
Lugol's solution 40
Lumefantrine 158, 161
Luteinizing hormone 37
Lynestrenol 53, 54
Lypressin 102, 104
Lysergic acid amide 77
Lysergic acid diethyl
amide 18, 77
- M**
- 6-Mercaptopurine 169, 173
2-Methyl histamine 16
15-methyl PGF_{2α} 22, 58
Mafenide 131, 132
Mag. sulfate 125, 126
Mag. trisilicate 118
Magaldrate 118
Magnesium hydroxide
118, 120, 125, 126
Magnesium sulfate 58
Mannitol 102, 104
Maraviroc 154
MCN 343-A 6
Measles + mumps +
rubella vaccine (MMR)
189, 191
Measles vaccine live
attenuated 189, 191
Mebendazole 166, 167
Mecamylamine 6
Mechlorethamine 169, 172
Meclozine 16, 17, 122, 123
Medroxy progesterone
acetate 53, 54
Mefloquine 158, 159, 160
Megestrol acetate 53
Meloxicam 23, 25
Melphalan 169, 172
Memantine 85, 86
Menadione 109, 110
Menadione sod. bisulfite
109, 110
Menadione sod.
diphosphate 109
Meningococcal A & C
vaccine 189, 190
Menotropins 38
Mephenamic acid 19, 23, 24
Mephentermine 7, 8
Meprobamate 67
Meropenem 140
Mesalazine 128, 129
Mescaline 77
Mesterolone 47, 48
Mestranol 50, 51
Metamizol 19, 23, 25
Metformin 42, 43
Methacholine 1
Methadone 83, 84
Methamphetamine 7, 8
Methandienone 47, 48
Methaqualone 67
Methenamine mandelate
144
Methicillin 134
Methimazole 39, 40
Methocarbamol 60, 61
Methohexitone 64, 67
Methotrexate 27, 28, 128,
169, 172, 176, 177
Methoxamine 7, 8
Methoxsalen 182
Methyl cellulose 125, 126,
128, 178
Methyl prednisolone 44, 45
Methyl testosterone 47
Methylcobalamin 105, 108
Methyldopa 88, 91
Methylergometrine 58, 59
Methylphenidate 7, 85, 86

- Methysergide 18
Metoclopramide 19, 37, 66, 122, 123
Metolazone 97, 102, 103
Metoprolol 12, 13, 88, 93, 97
Metronidazole 118, 121, 128, 130, 162, 163, 164, 165
Mexiletine 99, 100
Mezlocillin 134
Mianserin 79, 81
Micafungin 150
Miconazole 150, 151
Midazolam 64, 65
Mifepristone 53, 54, 56, 58
Miglitol 42, 43
Milrinone 97, 98
Miltefosine 165, 166
Minocycline 141, 147, 149, 184
Minoxidil 89
Mirtazapine 79, 81
Misoprostol 21, 22, 58, 118, 120
Mitomycin C 170, 174
Mitoxantrone 170, 174
Mivacurium 60, 61
Mizolastine 16, 18
Moclobemide 79, 80
Modafinil 85, 86
Mometasone 44, 46
Monobactams 130
Monobenzene 182
Montelukast 33, 35
Morphine 66, 67, 83
Mosapride 122, 123
Moxifloxacin 131, 133, 145, 147, 148, 149
Muromonab CD3 176
Muscarine 1
Mycophenolate mofetil 176, 176
- N**
- Nabilone 122
Nabumetone 23, 25
Nadifloxacin 184, 185
Nadroparin 112
Nafarelin 37, 38, 171
Nalidixic acid 131, 133, 144
Nalmefene 83
Nalorphine 83
Naloxone 83, 84
Naltrexone 83, 84
Nandrolone decanoate 47, 49
Nandrolone phenyl propionate 47, 48
Naphazoline 7, 9
Naproxen 19, 23, 24, 26
Naratriptan 19
Nateglinide 42, 43
Nebivolol 12, 13, 97
Nefopam 23, 26
Nelfinavir 154, 157
Neomycin 140, 141
Neostigmine 1, 2
Netilmicin 140, 141
Neutral protamine hagedorn (NPH) or Isophane insulin 40
Nevirapine 154, 156, 157
Niclosamide 166, 168
Nicorandil 93, 94
Nicotine 6
Nicotine chewing gum 6
Nicotine transdermal 6
Nicotinic acid 116, 117
Nicoumalone 113
Nifedipine 58, 89, 91, 95
Nilotinib 171
Nimesulide 23, 25, 26
Nitazoxanide 162, 164
Nitrazepam 67, 68
Nitrendipine 89, 91, 93, 95
Nitrofurantoin 144
Nitrofurazone 187
Nitroglycerine *see* Glyceryl trinitrate 94
Nitroprusside sod. 89
Nitrous oxide 64
Nomegestrol acetate 53
Noradrenaline 7, 8
Norethindrone 53, 54, 55, 56, 57
Norfloxacin 128, 131, 133
Norgestimate 53
Norgestrel 55, 56
Normal human gamma globulin 192, 193

Nortriptyline 79, 80
Noscapine 29, 30
Nystatin 150, 151

O

Octreotide 37, 38, 128
Octyl methoxy cinnamate 183
Ofloxacin 131, 133, 145, 147, 148, 149
Olanzapine 75, 76, 77
Olmesartan 88, 90
Olsalazine 128
Omalizumab 33
Omeprazole 66, 118, 119
Ondansetron 18, 66, 122, 124
Oral poliovirus vaccine 190
Organic iodide 39
Ornidazole 162, 163
Orphenadrine 72, 74
Oseltamivir 153, 155
Ouabain 97
Oxaliplatin 169, 175
Oxazepam 67, 81, 82

Oxcarbazepine 69, 70
Oxethazaine 62, 63
Oxiconazole 150, 151
Oxybutynin 3, 5
Oxymetazoline 7, 9
Oxymetholone 47, 49
Oxyphedrine 93, 94
Oxyphenbutazone 23
Oxyphenonium 3, 4, 118
Oxytetracycline 141, 164
Oxytocin 58, 59

P

2-Pyridyl ethylamine 16
Paclitaxel 170, 173
Palonosetron 18, 122, 124
Pancuronium 60, 61
Pantoprazole 66, 118, 119
Papaverine-phentolamine 47
Para amino-salicylic acid 130, 145, 146, 147
Para-aminobenzoic acid 183
Paracetamol 19, 23, 25

Paraldehyde 67
Parecoxib 23, 25
Parnaparin 111, 112
Paromomycin 140, 141, 162, 165, 166
Paroxetine 79, 80
Pectin 128
Pefloxacin 131, 133
Pemetrexed 169, 172
Pemoline 85
Pempidine 6
Penfluridol 75, 76
Penicillamine 178
Penicillins 130
Pentaerythritol tetranitrate 93, 94
Pentavalent vaccine 189
Pentazocine 83, 84
Pentobarbitone 67
Pentolinium 6
Pentoxiphylline 95, 96
Pentylene tetrazole 85
Perindopril 88, 90
Permethrin 188
Pethidine 66, 83, 84

Petroleum jelly 183
PGE₁ 22
PGE₂ 22, 58
PGF_{2α} 22, 58
PGI₂ 22
Phencyclidine 77
Pheniramine 16, 17
Phenobarbitone 67, 68, 69, 70
Phenol 186
Phenolphthalein 125, 126
Phenoxybenzamine 10, 11, 88, 95
Phenoxyethyl penicillin 134, 135
Phentolamine 10, 11, 88
Phenylbutazone 23
Phenylephrine 7, 8
Phenylpropanolamine 7, 9
Phenytol 69, 70
Pholcodine 29, 30, 83
Physostigmine 1, 2, 14
Phytonadione 109, 110
Picrotoxin 85
Pilocarpine 1, 2, 6, 14, 15

- Pimozide 75, 76
Pindolol 12, 13
Pioglitazone 42, 43
Pipecuronium 60, 61
Pipenzolate methyl bromide 3, 4
Piperacillin 134, 136
Piperaquine 158, 159
Piperazine 166, 167
Piracetam 85, 86
Pirenzepine 3, 118
Piribedil 85, 87
Piroxicam 23, 25, 26
Pitavastatin 116, 117
Plague vaccine 189
Polygeline 117
Polymyxin B 144
Posaconazole 150, 152
Pot. citrate 29
Pot. iodide 29
Potassium permanganate 186
Povidone iodine 165, 186
Pramipexole 72, 74
Pramlintide 42
Prasugrel 113, 115
Pravastatin 116
Praziquantel 166, 168
Prazosin 10, 11, 88, 95
Prednisolone 33, 44, 45, 128, 171, 176
Pregabalin 69, 71
Prenoxdiazine 29, 30
Prilocaine 62
Primaquine 158, 160
Primidone 69, 70
Probenecid 27, 28
Probiotics 129
Procainamide 99, 100
Procaine 62
Procaine penicillin G inj 135
Procarbazine 169, 172
Prochlorperazine 19, 122, 123
Procyclidine 3, 5, 72, 74
Progesterone 54, 58
Proguanil 158, 159
Prolactin 37
Promethazine 16, 17, 19, 29, 66, 67, 72, 74, 122
Promethazine theoclate 123
Propafenone 99, 100
Propantheline 3, 4, 118
Proparacaine 62
Propiphenazone 23, 26
Propofol 64, 65
Propoxur 1
Propranolol 12, 13, 19, 81, 88, 93, 99, 100
Propylene glycol 179
Propylthiouracil 39, 40
Prostacyclin 21, 95
Prothionamide 145, 146, 147
Prucalopride 125
Prulifloxacin 131, 133
Pseudoephedrine 7, 9
Psilocybin 77
Psoralen 182
Psoralen-ultraviolet A therapy 183
Psyllium 125, 126
Purified chick embryo cell vaccine 190
Purified vero cell rabies vaccine 191
Pyrantel pamoate 166, 167
Pyrazinamide 145, 146, 147
Pyridostigmine 1, 2
Pyridoxine 105
Pyrimethamine 130, 158, 160
Pyrimethamine-sulfadoxine 160
Pyritinol 85, 87
Pyronaridine 158
- Q**
- Quetiapine 75, 76, 77
Quinapril 88, 90
Quinidine 99, 100, 158
Quinine 58, 60, 158, 159
Quiniodochlor 150, 152, 162, 164, 165
- R**
- (R) α -Methylhistamine 16
Rabeprazole 118, 119
Rabies (chick embryo cell vaccine; PCEV) 189, 190
Rabies (Human diploid cell vaccine; HDCV) 189, 191
Rabies (Neural tissue vaccine) 189
Rabies (Vero cell vaccine; PVRV) 189, 191

- Rabies immune globulin
192, 193
- Racecadotril 128, 129
- Radioactive iodine¹³¹I 39
- Raloxifene 50, 52
- Raltegravir 154
- Ramipril 88, 90, 92, 97
- Ramosetron 18, 122, 124
- Ranitidine 66, 118, 119
- Ranolazine 93, 94
- Rapacuronium 60
- Rasagiline 72, 74
- Reboxetine 79, 80
- Regular (soluble) insulin
40
- Repaglinide 42, 43
- Retepase 113, 114
- Reviparin 112
- Rho(D) immune globulin
176, 177, 192, 193
- Ribavirin 153, 156
- Riboflavin 105
- Rifabutin 145, 148
- Rifampin 130, 145, 146,
147, 149
- Rifaximin 128, 129
- Rimantadine 153, 155
- Risperidone 18, 75, 76, 77
- Ritanserlin 18
- Ritodrine 7, 9, 58
- Ritonavir 154, 157
- Rituximab 171
- Rivaroxaban 111
- Rivastigmine 1, 2, 85, 86
- Rizatriptan 19, 20
- Rocuronium 60
- Ropinirole 72, 73
- Ropivacaine 62
- Rosuvastatin 116
- Roxatidine 118, 119
- Roxithromycin 143
- Rubella vaccine 189, 191
- Rupatadine 18
- Rutin 109, 110
- S**
- S(-) Amlodipine 91
- S(-) Atenolol 13
- S(-) Metoprolol 13
- S(-) Pantoprazole 119
- Salbutamol 7, 29, 33, 34, 58
- Salmeterol 7, 33, 34
- Saquinavir 154, 157
- Sarin 1
- Satranidazole 162, 163
- Saxagliptin 42, 43
- Secnidazole 162, 163, 164,
165
- Selegiline 72, 74
- Senna 125, 126
- Sertraline 79, 80
- Sevoflurane 64
- Sibutramine 7, 9
- Sildenafil 47, 49
- Silver nitrate 187
- Silver sulfadiazine 131, 132
- Simvastatin 116
- Sirolimus 176, 177
- Sisomicin 140, 141
- Sitagliptin 42, 43
- Sod. bicarbonate 118
- Sod. penicillin G (crystalline
penicillin) injection 135
- Sod. phosphate 125, 126
- Sod. pot. tartrate 125, 126
- Sod. sulfate 125, 126
- Sodium citrate 111, 113, 118
- Sodium cromoglycate 33,
35
- Sodium edetate 111, 113
- Sodium hypochlorite 187
- Sodium nitroprusside
91, 97
- Sodium oxalate 111, 113
- Sodium picosulfate 25, 126
- Sodium stibogluconate 165
- Sodium thiosulfate 150,
152
- Sodium valproate 77
- Soman 1
- Somatostatin 37, 38
- Sotalol 12, 13, 99, 100
- Sparfloxacin 131, 133
- Spectinomycin 143
- Spiramycin 143
- Spironolactone 88, 102, 103
- Stanozolol 47, 49
- Stavudine 154, 156, 157
- Streptokinase 113, 114
- Streptomycin 140, 145,
146, 147
- Strychnine 85
- Succinylcholine 60, 61
- Sucralfate 118, 121
- Sulbactam 134, 136

- Sulfacetamide sod. 131, 132
Sulfadiazine 131, 132
Sulfadoxine 131, 158, 160
Sulfamethopyrazine 131, 158, 160
Sulfamethoxazole 131, 132
Sulfasalazine 27, 28, 128, 129, 131
Sulfinpyrazone 27
Sulfur 188
Sultamicillin tosylate 136
Sumatriptan 19, 20
Sunitinib 171
- T**
- 6-Thioguanine 169, 173
2-Thizolyl ethylamine 16
Tabun 1
Tacrine 1, 85
Tacrolimus 176, 177
Tadalafil 47, 49
Tafenoquine 158
Tamoxifen citrate 50, 52, 171
Tamsulosin 10, 11
Tazarotene 183, 184
Tazobactam 134, 136
Teicoplanin 144
Telmisartan 88, 90
Temazepam 67, 68
Temozolamide 169, 172
Tenecteplase 113, 114
Tenofovir 153, 154, 156
Tenoxicam 23, 25
Terazosin 10, 11, 88
Terbinafine 150, 152
Terbutaline 7, 29, 33, 34, 58
Terizidone 145, 146, 147
Terlipressin 102, 104
Testosterone 47, 48
Testosterone propionate 48
Testosterone undecanoate 48
Tetanus antitoxin 192
Tetanus immune globulin 192, 193
Tetanus toxoid 189, 191
Tetracaine 62, 63
Tetracycline 118, 121, 128, 130, 141, 162, 164
Tetrahydro-cannabinol (9 Δ THC) 77
Tetramethyl ammonium (TMA) 6
Thalidomide 149
Theophylline 33, 34
Theophylline ethanolate of piperazine 35
Thiacetazone 145, 147
Thiazides 102
Thiocolchicoside 60, 62
Thiopentone sod. 64, 65, 69
Thioridazine 75, 76
Thio-TEPA 169, 172
Thyroid stimulating hormone (TSH) 37
Thyroxine (T4) 39
Tiagabine 69
Tianeptine 79, 81
Tibolone 50, 51
Ticlopidine 95, 113, 115
Tigecycline 142
Timolol 12, 14
Tinidazole 118, 121, 162, 163, 164, 165
Tiotropium bromide 3, 5, 33, 35
Tirofiban 113, 115
Titanium dioxide 183
Tizanidine 60, 62
Tobramycin 140
Tolbutamide 42, 43
Tolcapone 72
Tolnaftate 150, 152
Tolterodine 3, 5
Tolu balsam 29, 30
Topical corticosteroids 183
Topiramate 19, 69, 71
Topotecan 170, 173
Torasemide 102, 103
Toremifene 52, 150, 171
Tramadol 83, 84
Trandolapril 88, 90
Tranexamic acid 113, 114
Travoprost 14, 15, 21
Trazodone 79, 81
Tretinoin 170, 184
Triamcinolone 44, 45
Triamcinolone acetonide 44, 46
Triamterene 102, 104
Triazolam 67, 68
Triclofos 67

Trifluoperazine 76
Trifluoperidol 75, 76
Triflupromazine 66, 75,
76, 122
Trifluridine 153
Trihexyphenidyl 3, 5, 72, 74
Triiodothyronine 39
Trimetazidine 93, 94
Trimethaphan-
camforsulfonate 6
Trimethoprim 130
Trimethoprim-
sulfamethoxazole 132
Trimipramine 79, 80
Trioxsalen 182
Triple antigen 189, 192
Triprolidine 16, 17
Triptorelin 37, 39, 171
Tropicamide 3, 5
Tropisetron 18
Typhoid - paratyphoid
(TAB) vaccine 189, 190

Typhoid Ty 21a (oral
vaccine) 189, 190

U

Ulipristal 53, 56
Undecylenic acid 150, 152
Urofollitropin or Menotro-
pin 38
Urokinase 113, 114

V

Valacyclovir 153, 155
Valethamate 3, 4
Valganciclovir 153
Valproic acid/valproate
sod. 19, 69, 70
Valproic acid 19, 69, 70
Valsartan 88, 90
Vancomycin 130, 144
Vardenafil 47
Varenicline 6
Varicella vaccine 189, 191

Vasaka syrup 30
Vasopressin 102, 104
Vecuronium 60, 61
Venlafaxine 79, 81
Verapamil 89, 91, 93, 99 101
Vi typhoid polysaccharide
vaccine 189, 190
Vigabatrin 69, 71
Vildagliptin 42, 43
Vinblastine 170, 173
Vincristine 170, 173
Vinorelbine 170, 173
Vitamin E 95
Vitamin K 109, 110
Voglibose 42, 43
Voriconazole 150, 152

W

Warfarin sod. 111, 112
Whooping cough (pertussis)
vaccine 189, 190

X

Xanthinol nicotinate 95, 96
Xipamide 97, 102, 103
Xylometazoline 7, 9

Y

YABA 77
Yohimbine 10, 11

Z

Zafirlukast 33, 35
Zaleplon 67, 68
Zanamivir 153, 156
Zidovudine 154, 156, 157
Zinc oxide 183
Zinc sulfate 187
Ziprasidone 75, 78
Zolmitriptan 19
Zolpidem 67, 68
Zonisamide 69, 71
Zopiclone 67, 68
Zotepine 75, 78

Index of Proprietary (Brand) Names of Drugs

- A**
- Abamune 156
Abavir 156
Accupril-H 90
Aceclo 24
Aceret 183
Acetec 183
Aceten 90
Achromycin 141
Acidin 120
Aciloc 119
Acitrin 183
Acitrom 113
Acivir-DT 155
Acivir eye 155
Aclene 184
Acnederm 184
Acnelac-Z 184
Acnesol 143, 185
Acrinol 187
- Acticold 9
Actidil 17
Actifed 9, 17
Actigut 129
Actilyse 114
Actitop 173
Actraphane 41
Actrapid 41
Acular 25
Adaferin 184
Adalat retard 91
Adapen 184
Adbeta 13
Adcapon 74
Adcef 139
Adenocor 101
Adenoject 101
Adesera 156
Adfovir 156
Admenta 86
Adrena 8
- Adrenaline 8
Adrenor 8
Adriamycin 174
Adroyd 49
Aerocort inhaler 35
Aerocort rotacaps 35
Agarol 127
Aggramed 115
Aggribloc 115
Aggritor 115
AGGS 192
AKT-3 149
AKT-4 149
Albezole 167
Albucid 132
Albudac 117
Albumed 117
Albupan 117
Alcephin 138
Alcephin-LA 138
- Alcizon 138
Aldactide 103
Aldactone 103
Aldarone 100
Aldezole 163
Alerid 17
Alfadrops-DS 14
Alferon 156
Alfoo 11
Alfusin 11
Algipan 181
Alkeran 172
Allegra 17
Allujel-DF 120
Almacarb 120
Almantin 86
Alminth 167
Almito 174
Aloederm 179
Alovit 179
Alphadopa 91

- Alphagan-P 14
Alprax 68, 82
Alprocontin 68, 82
Alpruli 133
Alrista 104
Alrubicin 174
Alsartan 90
Altamet 139
Altaxel 173
Alteplase 114
Althrocin 142
Altiva 17
Altraz 52
Aludrox 120
Alzolam 68, 82
Amace 92
Amantrel 74, 155
Amaryl 43
Ambistryn-S 140, 146
Ambiril 30
Ambrodil 30
Ambrolite 30
Amcard 91
Amcard-AT 92
Amcard-LP 92
Amicar 114
Amicin 140, 148
Amicline 164
Amicor 98
Amifru 104
Amiloride 104
Aminophylline 34
Amipride 78
Amline 80
Amlopin 91
Amlopin-AT 92
Amlopres 91
Amlopres-AT 92
Amlopres-L 92
Amlopres-Z 92
Amonate 136
Amoxil 136
Amoxylin 136
Ampholip 151
Ampilin 135
Ampilox 135
Ampitum 136
Amrutanjan 181
Amtas-E 92
Anabolex 48
Anabrez 52
Anafebrin 26
Anafranil 80
Analgin 25
Anatensol 76
Anatensol decanoate 76
Andractim 48
Andriol 48
Aneket 65
Anethane 63
Angiopril 90
Angised 94
Angispan-TR 94
Angizem 91
Anticoagulant acid citrate
dextrose solution 113
Antidep 80
Antiflu 155
Antiminth 167
Antisnake venom serum
polyvalent 193
Antithyrox 40
Antrenyl 4
Anxipar 82
Aprecap 124
Aprelife 124
Apreset 124
Aquaviron 48
Aquazide 91, 103
Ardeparin 112
Arduan 61
Arflur 24
Argenex 132
Arginine 104
Arilan 76
Aripra 76
Aristogyl 163
Arjet spray 181
Arkamin 91
Armotraz 52
Arnate 160
Artagen 24
Artamin 178
Articid 24
Artin 178
Artinate 160
Arwin 4
Arzide 148
Asacol 129
Ascabiol 188
Ascoril-C 31
Asomex 91
Aspicot 115
Asthafen 35

- Asthalin 34
Asthalin expectorant 31
Astic 115
Astifine 49
Asucrose 43
ASVS 193
Atarax 17, 82
Atazor 157
Aten 13
Ativan 82
Atorlip 116
Atorva 116
Atpure 13
Atrosulph 4
Attentrol 86
Augmentin 136
Autrin 106, 108
Avaxim 191
Avertol 188
Avil 17
Avomine 123
Axalin 31
Axepta 86
Azenam 139
Aziderm 182, 184
Azithral 143
- Aziwin 143
Aziwok 143
Azona 78
Azoprine 173
Aztatin 116
Aztor 116
- B**
- Bacigyl 133
Baciroam 139
Bactrim 132
BAL inj 178
Bambudil 34
Banocide 167
Baralgan 25
Barrier-SF 180
Basoquin 159
Batrafen 152
Beclate 35, 46
Becoride 35
Becosules 108
Benace 90
Benadryl 17, 31
Bencid 28
Bendzon 63
Benemid 28
- Benoquin 182
Benspar 73
Benzac-AC 184
Benzylbenzoate application 188
Beparine 112
Berirab-P 193
Betablock 100
Betacard 13
Betacortril 45
Betaday 34
Betadine 165, 186
Betagan 14
Betalog 13
Betamporal 136
Betanase 43
Betasone 46
Bethacol 2
Betnelan 45
Betnesol 45
Betnovate 46
Bezafibrate 117
Bezalip 117
Bidlax-5 126
Bidopal 73
Biduret 104
- Bifilac 129
Bifilin 129
Bigvin 108
Bilief 76
Bilovas 87
Bi-miotic 2
Biocilin 135
Bioclox 135
Biocobal 108
Biofer 107
Bioglandin 22
Biophenox 11
Biospirin 24
Biotrexate 28, 172
Biprosta 49
Bi-Teben 148
Bitorva 117
Bleocin 174
Borocide 187
Borospirit 187
Bradia 94
Bricanyl 34
Bricarex 34
Brimodin-P 14
Brinaldix 103
Brite 182

- Bromogen 38
Bronchosolvin 31
Bronkoplus 36
Bronkotus 36
Bro-zedex 31
Brufen 24
Brufen-MR 62
Buctocin 59
Budecort 36
Budenase AQ 36
Bumet 103
Buprigesic 84
Bupron-SR 81
Buscalm 82
Buscopan 4
Buspin 82
Busuphan 172
Butop 152
Butrum 84
- C**
- Caberlin 38
Cadicoff 31
Cadilose 178
Cadiphyllate 35
Cadisper-C 110
Cadistin 17
Cadistin expectorant 31
Cadotril 129
Cafergot 86
Calacreme 179
Caladryl 179
Calak 179
Calaminol 179
Calaptin 91, 101
Calcigard 91
Calcium leucovorin 109
Calmese 65, 71, 82
Calmis 179
Calmpose 65, 68, 71, 82
Calutide 49
Camforte 38
Camoquin 159
Cancidas 151
Candesar 90
Candestan 90
Candid 151
Candid-TV susp 182
Candilong 90
Canditral 152
Cantop 173
Capotril 90
Capreotec 148
Capsigyl-D 181
Carbatol 70
Carbelin 136
Cardace 90
Cardace-H 92
Cardif 91
Cardiject 8
Cardilate 94
Cardioparin 112
Cardiostrep 114
Cardiotone 98
Cardioxin 98
Cardiwell plus 115
Careprost 15
Carisoma 61
Caritec 91
Carloc 13
Carpine 2, 15
Cartinex 94
Carvas 13
Carvidon 94
Carvil 13
Catapres 91
Caverta 49
Cefactum 139
Cefadrox 138
Cefazid 139
Ceficad 139
Cefizox 138
Cefobeta 139
Cefomycin 139
Cefoprox 139
Cefor 139
Ceforth 139
Cefrom 139
Cefspan 139
Ceftichek 139
Ceftum 138
Celact 25
Celcox 25
Celestone 45
Celica 80
Celipres 13
Cellmune 177
Cellubril 126
Centron 57
Cephacillin 138
Cephaxin 138
Cepime 139
Cepime-O 139
Cepodem 139

- Cereloid 11, 87
Cervagem 22
Cerviprime 22
Cetavlex cream 187
Cetavlon concentrate 187
Cetzine 17
Chericof 31
Cheston 9
Chlodin 187
Chloromycetin 142
Chloromycetin palmitate 142
Chloromycetin succinate 142
Choliphylline 35
Cibis 4
Ciclez 36
Cifran 133
Cilamin 178
Cilodoc 96
Ciplactin 17
Ciplar 13, 100
Ciplin 132
Ciploric 28
Ciplox 133
Ciprobid 133
Ciprolet 133
Cisplat 174
Citilin 87
Citinova 87
Claforan 138
Claribid 143
Clarimac 143
Clavam 136
Clexane 112
Clincin 143
Clindac-A 143, 185
Clistin 31
Clivarine 112
Cloderm 151
Clodrel 115
Clodrel plus 115
Clofert 52
Clofozine 149
Clofrasil 80
Clome 52
Clomid 52
Clonapax 70
Clonil 80
Clopamide 103
Clopen 135
Cloplet 115
Clopitab-A 115
Cloquin 159
Clotide 115
Clozam 71
CNN 141
Coartem 161
Cobix 25
Codine 30
Codylex 9
Colcibra 25
Colimex 4
Colirid 4
Colistop 144
Colloid iodine 40
Collosol 40
Colorex 129
Colsipan 46
Colsprin 24, 115
Comantrel 74
Combee 56
Combimist inhaler 36
Combimist respules 36
Combither 161
Combitide-125/250 inhaler 34
Combivir 157
Combunex 148
Combutil 146
Complamina 96
Comtan 74
Concor 13
Condyline 181
Confal 159
Conlax 126
Contiflo-OD 11
Contramal 84
Conviron 106
Corbis 13
Cordarone 100
Corex 31
Corion 38
Corn cap 181
Cornac 181
Corodil 94
Coromax 115
Corpril 90
Cortilate 46
Cortison-kemicetine 47
Cortoquinol 47
Coscopin 30
Coscopin linctus 31
Coscotabs 30

- Cosome 32
Cotaryl-H 46
Coversyl 90
Coxerin 146
Cremaffin 127
Cremalax 126
Crocin 25
Crocin pain relief 25
Cromal-5 inhaler 35
Crotorax 188
Croysal 34
Crystapen-V 135
Curomid 61
Cutizone 46
CX-5 149
Cyanomycin 141
Cyclasyn 96
Cyclogyl 5
Cyclomid eye 5
Cyclopam inj 4
Cyclopent 5
Cyclorine 146
Cyclospas-D 4
Cyclospasmol 96
Cyclovir 155
Cycloxan 172
- Cysticide 168
Cystran 5
Cytabin 173
Cytoblastin 173
Cytocom 157
Cytocom-E kit 157
Cytocom-N 157
Cytocristin 173
Cytodrox 174
Cytolog 22, 120
Cytomid 49
Cytosar 173
- D**
- Dacarin 172
Dacarzine 172
Dacmozen 174
Daivonex 183
Daktarin 151
Dalcap 143
Dalcin 143
Dalcinex 143
Dalteparin 112
Danazol 49
Danogen 49
Danruf 152
- Daonil 43
Dart 26
Daskil 152
Daunocin 174
Daunomycin 174
Dazolic 163
DD retro 156
Decadron 45, 46
Decadurabolin 49
Decapeptyl daily 39
Decapeptyl depot 39
Decdan 45
Decold plus 8
Deesolone 45
Deflar 45
Defza 45
Dehydroemetine HCL 164
Delok 81
Deltacortril 45
Dem 68
Demolox 80
Denol 121
Depakote 70
Depin 91
Deplatt 115
- Depot-provera 54, 57
Depsonil 80
Dequadin 187
Derihaler 34
Deriphyllin 34
Dermin 188
Dermoquinol 152
Dermotyl 46
Desferal 178
Deslor 17
Detigon 30
Dettol 186
Dettolin 186
Dewormis 167
Dexona 45
Dexorange 107
Dexpure 120
Dextran-70 117
DFZ 45
DHE 11
Diacobal 108
Diamicron 43
Diamig 43
Diamox 103
Diarlop 129, 133
Diazide 43

- Diclomax 24
Diclonac 24
Diclonac gel 26
Dicoumarol 112
Dicynene 110
Dienestrol 51
Digene 120
Digene gel 120
Dihydergot 11
Dilantin 70
Diligan 17
Diltine 91
Dilzem 91, 101
Dinex EC 156
Diodoquin 164
Dionindon 30
Diovan 90
Diproex 70
Disipal 74
Disprin 24
Disprin CV-100 115
Distaclor 138
Distinon 2
Distocide 168
Ditide 104
Ditrate 94
Diurem 103
Diuretor 103
Diurix-SR 91
Dixin 98
Dobustat 8
Dobutrex 8
Docabolin 45
Docecad 173
Docetere 173
Dolobak 61
Dolokind 24
Dolonex 25
Dolonex gel 26
Domadol 84
Donecept 2, 86
Dopacard 8
Dopezil 2, 86
Dorent 2, 86
Doriglen 140
Dortas 15
Dorzox 15
Doslax 126
Dothin 80
Doxacard 11
Doxapress 11
Doxcef 139
Doxel 173
Doxetar 80
Doxicip 141
Doxin 80
Doxinate 123
Doxoril 35
Doxt 141
Dramamine 17
Drosyn 8
Drosyn-T 8
Droxyl 138
Dual antigen 192
Dubagest 54
Dubatran 114
Dulane 81
Dulcolax 126
Dumasules 106
Duoclox 135
Duodopa-110 73
Duolin inhaler 36
Duolin respules 36
Duolin rotacap 36
Duoluton-L 54, 56
Duovir 157
Duovir-N 157
Duphalac 127
Duphaston 54
Duprost 49
Durabolin 48
Duracard 11
Duralast 80
Duralyn-CR 34
Durize 49
Durogesic 84
Duvadilan 9
Duzac 81
Dynapres 11
Dynasprin 115
Dyskinon 5, 74
Dytor 103
- E**
- E₂gel 51
ECEE2 56
Ecoderm 151
Econorm 129
Ecosprin 24, 115
Edegra 49
Efcorlin 45
Efcorlin soluble 45
Efferven 157
Egybort 175

- Elaxim 114
Eldepryl 74
Elitox 43
Eltroxin 40
E-Mal 161
Emcredil 59
Emdopa 91
Emeset 124
Emflam 24
Emlukast 35
Empurine 173
Emsetron 124
Emthrocine 142
E-mycin 142
Enace-D 92
Enam 90
Enapril 90
Enbrel 28, 177
Enbrol 28, 177
Encephabol 87
Encicarb inj 108
Encorate 70
Encrypt 73
Endoxan 172
Endrine 8
Engerix-B 191
Enhancin 136
Enivac-Hb 191
Enoxaparin 112
Ensamycin 141
Entamizole 164
Entamizole Forte 164
Enterogermina 129
Enteromycetin 142
Enteroquinol 164
Entofoam 45
Entubate 61
Envas 90
Epidosin 4
Epifast 71
Epirubitec 174
Epitop 71
Epleran 104
Epocelin 138
Eprex 109
Eptoin 70
Eptus 104
Equilibrium 82
Ergomet 59
Eromed 142, 184
Erynate 143
Erysafe 142
Eryster 142
Erythrocin 142, 143
Erytop 184
Esam 91
Esdep 80
Esidrex 103
Eskinase 114
Eskold 9
Estraderm-Mx 51
Ethamsyl 110
Ethide 146
Ethiocid 146
Etisa 129
Etophyllate 35
Etoshine 25
Etova 25
Etoxib 25
Etrocine 142
Eudyna 184
Euglucon 43
Eukroma 182
Eukroma-SG 183
Eumosone 46
Eurepa 43
Eurythmic 100
Eutheria 181
Evalon 51
Evaquin 160
Evirenz 157
Exelon 2, 86
Exifine 152
Exocin 133
Expan 117
Expent 167
Extacef-tazo 139
Extar 183
Eypar 133
Ezedoc 117
- F**
- Fabulas 28
Fabustat 28
Facid 119
Facital 159
Falciart kit 160
Falcigo 160
Falcigo plus 160
Falcyl 161
Falcynate 160
Famocid 119
Famonite 119
Famtac 119

- Famtrex 155
Fancidar 160
Farlutal 54
Faronem 140
Farozet 140
Fasigyn 163
Fastovorin 109
Febrinil 25
Fefol spansule 106
Feliz-S 80
Felogard 91
Femara 52
Femilon 56
Fendop 65
Fenolip 117
Fenox 8
Fenoxene 11
Fent 65, 84
Fentanor 11
Fentoin-ER 70
Ferimax 108
Ferricarb 107
Ferri drops 106
Ferri inj 108
Ferrochelate 107
Ferronicum 106
Fersolate 106
Fersolate-CM 106
Fertomid 52
Fesovit-spansule 106
Fetugard 54
Fevastin 25
Fexo 17
Fibril 126
Fibrinal 110
Fibrinal-H 110
Finara 49
Finast 49
Fincar 49
Finecef-T 139
Finpecia 49
Fintal 35
Fintop 152
Five fluoro 173
Fivocil 173
Flagyl 163
Flavate 5
Flavedon 94
Flavospas 5
Flexital 96
Flexon-MR 61
Flexpen 41
Flohale inhaler 36
Flohale rotacaps 36
Flolan 22
Flomist 36
Floraquin 165
Floricort 46
Flovas 117
Fluanxol 76
Fluanxol depot 76
Flucold 9
Flucort 46
Flucort-H 46
Flucover 152
Fludac 80
Fludara 173
Fludent-CH 187
Flumadine 155
Flumap 76
Flunarin 20
Flunil 80
Flupar 80
Fluracil 173
Fluraz 68
Flurofen 24
Flutide 49
Flutivate 46
Fluvir 155
Fluvoxin 80
Fluxum 112
Fluzon 152
Folic acid 108
Foliculin 38
Foligest 38
Folitab 108
Folvite 108
Foot powder 181
Foracort 36
Foratec 34
Forcan 152
Fortagesic 84
Fortified P.P. inj 135
Fortrim 132
Fortstar 84
Fortum 139
Fortwin 84
Fosinace 90
Fosolin 70
Fovas 90
Fragmin 112
Framygen 141
Fraxiparine 112
Frenin 8

- Frisium 71
Froben gel 26
Frusemene 104
Frusenex 103
Fulsed 65
Funazole 152
Fungicide 152
Funginoc 152
Fungisome 151
Fungivor 152
Fungizone 151
Fungizone otic 151
Furacin 187
Furadantin 144
Furamide 164
Furoxone 164
Fybogel 126
- G**
- Gabantin 71
Gabapin 71
Galamer 2, 86
Galvus 43
Gamaderm 188
Gamafine 193
Gamascab 188
- Gammalin 193
Ganaton 123
Ganfort 15
Ganguard 155
Gantanol 132
Garamycin 140
Gardenal 68, 70
Gastabid 4
Gelusil 120
Gelusil liquid 120
Gembax 133
Gemetop 133
Gemfibrozil 117
Gempar 117
Gentacyn-HC 47
Gentasporin 140
Genticyn 140
Gesicain 63
Gesicard 100
Gestanin 54
Gestone 54
Ginkoba 87
Ginkocer 87
Glaxenna 126
Glee-vec 175
Glevo 133
- Glide 43
Glimer 43
Glinat 43
Glioz 172
Glizid 43
Globunal 193
Glucar 43
Glucobay 43
Glucamol 14
Glyciphage 43
Glycomet 43
Glyco-P 5
Glynase 43
Glypressin 104
Glypride 43
Gonablok 49
Goutnil 28
Gramoneg 133
Granicip 124
Graniset 124
Gravidox 123
Gravol 17
Grilinctus 31
Grisoral 151
Grisovin-FP 151
GTN spray 94
- Gynae CVP 110
Gynergen 11
Gynodaktarin 151
Gynogen 38
Gynosan 165
- H**
- Haemacel 117
Halog 46
Halopidol 76
Hamostat 114
Hamycin 151
Hansepran 149
Happi 119
Havrix 191
Hbfast 107
Healex spray 179
Helibact 121
Heligo 121
Hematrine 107
Hemax 109
Hemglob 106
Hemocid 114
Hemsi 107
Hemsyl 110
Hemsyneral 107

- Hepaglob 193
Heptavir 156
Herpex 155
Hetastarch 117
Hetrazan 167
Hexil 187
Hib-titer 190
Histac 119
Hoilasp 174
Holoxan 172
Holoxan-uromitexan 172
Homatropine eye 5
Homide 5
Hondrea 174
Honvan 51
Hostacortin-H 45
Hostacycline 141
HP-kit 121
Humalog 41
Human actraphane 41
Human actrapid 41
Human insulatard 41
Human mixtard 41
Human monotrad 41
Humatrope 38
Huminsulin 41
Huminsulin-L 41
Huminsulin-N 41
Hydergine 11, 87
Hydrazide 91, 103
Hydride 91, 103
Hyphoral 152
Hypnotex 68
Hythaltol 91, 103
Hytrin 11
- I**
- Ibugesic 24
Ibusynth 24
Icor 108
Idicin 24
Idurin 155
Ildamen 94
Imatib- α 175
Imferon 108
Iminem 139
Imodium 129
Imogam 177
Imorab 193
Imuran 28, 173
Imusporin 177
Inabutol 148
Inabutol forte 148
Inapas 148
Indapamide 103
Indeparin 112
Inderal 13, 100
Indicarb 172
Indivan 157
Indivir 157
Indocap 24
Indoflam 24
Ingagen 11
Insuman 41
Intazide 129
Intraval sodium 65
Intropin 8
Iobet 14
Iobrim 14
Iodex 181, 186
Ionax-T 183
Iopar-SR 103
Iotim 14
Ipamide 172
Ipcazide 148
Ipill 56
Ipranase-AQ 5
Ipravent 5, 35
Irbest 90
Iret 185
Irinotel 174
Irnocam 174
Iron-dextran 108
Irovel 90
Irovel-H 92
Isogel 126
Isokin 146
Isokin-300 148
Isonex 146
Isoprin 8
Isordil 94
Isorifam 148
Isosol 8
Isotretin 185
Isovac 126
Isozone 148
Isozone forte 148
Itaspor 152
Itoflux 123
Itokine 123
Itoprid 123
Ivabrad 94
Iverin 188
Ivermec 167

Ivermectol 167, 188
Izra 119

J

Jalra 43
Januvia 43
Jula 179
Julax 127
Junimol-RDS 25

K

Kanamac 140, 146
Kancin 140, 146
Kapilin 110
Kapocin 148
Karpin lotion 152
Kaypen 135
Kefage 139
Kefbactum 139
Keflor 138
Kefloxin 138
Kelfer 178
Kemadrin 5, 74
Kemicetine 142
Kemocarb 174
Kenacort 45

Kenalog-S eye 45
Keralice 188
Ketamax 65
Ketanov 25
Ketlur 25
Ketmin 65
Ketofen 24
Ketorol 25
Ketovate 152, 182
Ketovent 35
Kinaplat 175
Klox 135
Korandil 94
Kspar 104
K. stat 110
Kutub 80
KVI 110
K-Win 110

L

Labesol 13
Labeta 13
Lacilactone 103
Lacivas 91
Lacoma 15
Lacoma-T 15

Lacsan 127
Ladogal 49
Lametec 71
Lamidac 156
Lamidus 71
Lamisil 152
Lamitor 71
Lamivir 156
Lamivir-HBV 156
Lamivir-S 157
Lamostad 157
Lamostad-N 157
Lamuvid 156
Lamuzid 157
Lanoxin 98
Lanpro 119
Lanpro AC 121
Lansi kit 121
Lantus optiset 41
Lanzap 119
Lanzol 119
Lapido-R 92
Laprost plus 14, 15
Largactil 76
Lariago 28, 159
Laridox 160

Larinate 160
Larither 161
Larpose 82
Lasiride 104
Lasix 103
Lasix high dose 103
Lastet 173
Lastinem 139
Latez 183
Latochek-T 14, 15
Latoprost 15
Laxicare 126
Laxicon 126
Laxil 126
Ledercort 45, 46
Ledermycin 141
Lefra 28
Lentard 41
Lerez 91
Lerka 91
Letoval 52
Letroz 52
Leukeran 172
Leunase 174
Levant 119

- Levoday 133
Levoflox 133
Levopa 73
Levorid 17
Levosiz 17
Levroxa 71
Levtam 71
Librium 82
Licab 78
Lincocin 143
Linospa 144
Linix 144
Linvas 90
Liofen 62
Lioresal 62
Lipicard 117
Lipivas-EZ 117
Liponorm-EZ 117
Lipril 90
Lisoril 90
Lisoril-HT 92
Listril 90
Listril-AM 92
Listril plus 92
Lithosun 78
Livial 51
Livoluk 127
Lizolid 144
Lobate 46
Lobazam 71
Locoid 47
Locula 132
Loette 56
Lomaday 133
Lomedon 133
Lomef-400 133
Lomibact 133
Lomodex 117
Lomodex-70 117
Lomotil 129
Lomustine 172
Lonazep 70
Longacillin 135
Lopetal 129
Lopid 117
Lopres 14
Lopresor 13
Loprin 24, 115
Lorday 17
Lorfast 17
Loridin 17
Lormeg 17
Lorvas 91, 103
Losacar 90
Losacar-A 92
Losacar-H 92
Losanorm-HR 92
Losar 90
Losar-H 92
Lovameg 116
Lox 133
Loxapac 76
Lozapin 76
Lubriderm-SF 179
Luci 46
Lugol's solution 40
Lumether 161
Lumigan 15
Luminal 70
Lupigyl gel 163, 165
Lycortin 47
Lycortin-S 45
Lykacetin 142
Lymphoglobulin 177
Lynoral 51
Lyomit 174
Lysol 186
- M**
5-Mono 94
Macсорalen 182
Madopar 73
Magnamycin 139
Maintane 54
Maintane inj 54
Maladex 160
Malirid 160
Malither 161
Malocide 160
Manaderm 182
Mandelamine 144
Manforce 49
Marcain 63
Masunate 160
Maxeron 123
Maylox 120
Mazetol 70
Mazetol-SR 70
M-Cam 25
Mebazole 167
Mebex 167
Mecoba 108
Medicreme 181

Medol 24	Metolar 13	Minidiab 43	Mox 136
Mefliam 159	Metoral 103	Minipress XL 11	Moxicip 133
Meflotas 159	Metpure-XL 13	Minirin 104	Moxif 133
Meftal 24	Metrodin 38	Mirt 81	Moxylong 136
Megalis 49	Metrogyl 163	Mirtaz 81	Moza 123
Melalite 182	Metrogyl gel 163, 165	Misoprost 22, 120	Moza MPS 123
Melanocyl 182	Metron 163	Misthaler 34	Mozasef 123
Melascreeen 183	Mexitol 100	Mitocin 174	Mtlac 127
Melflam 25	Mezolam 65	Mitotax 173	Mucaine 63, 120
Melleril 76	Microfer 108	Mixtard 41	Mucodyne 30
Mel-OD 25	Micropyrin 86	Mobizox 61	Mucolite 30
Menabol 49	Midarine 61	Modalert 86	Mucomix 30
Menadione 110	Mifegest 54, 56	Modus 54	Mumfer 107
Mencevax A & C 190	Mifeprin 54, 56	Moliderm 46	Mustine 172
Mentadem 86	Migranil 11, 20	Momate 46	Muvik 25
Meprate 54	Migratan 20	Monocef 139	M-vac 191
Merieux HDC 191	Migril 20	Monosorbitrate 94	Myambutol 146
Meronem 140	Migtor 43	Monotax 139	Mycept 177
Mesacol enema 129	Mikacin 140, 148	Monotrad MC 41	Mycobutol 146
Mestilon 48	Mikaject 140, 148	Monotrate 94	Mycofit 177
Metacin 25	Milk of magnesia 120	Montair 35	Mycol 151
Metafin 160	Millicortenol 46	Montaz 139	Myconex 148
Methergin 59	Millisrol 94	Mopride 123	Mycostatin 151
Metherone 59	Miniblock 13, 100	Morcontin 83	Mydrindon 4
Methilex 161	Minicam gel 26	Movonac 24	Myestin 2
Methylcobal 108	Minidex 45	Movon gel 26	Myleran 172

- Myobid 146
Myodura 91
Myorelex 61
Myostigmin 2
Myovin 94
Myser 146
Mysoline 70
Myspec 143
- N**
- Nabufлам 25
Nadibact 185
Nadoxin 185
Nalox 84
Naltima 84
Naltrox 84
Naprosyn 24
Naprosyn gel 26
Narcotan 84
Narebox 80
Nasarel 38
Nasivion 9
Natcardine 100
Natelide 43
Natriliх 91
Natriliх-SR 91
- Nature cure 126
Naturogest 54
Naxid 24
Neaman 155
Neasyn-SR 117
Nebasulf 141, 144
Nebicard 13
Nefomax 26
Negaplus 139
Neivex 157
Nelfin 157
Nelvir 157
Nemocid 167
Neocalm 76
Neocuron 61
Neoepinine 8
Neoloridin 17
Neo mercazole 40
Neosoralen 182
Neosporin 141, 144
Neosporin eye drops 144
Neosporin-H 141
Neosporin-H ear drops 144
Neosporin powder 144
Neotrexate 28, 172
- Neovec 61
Neozine 172
Nepresol 91
Neticin 141
Netromycin 141
Neugaba 71
Neurabol 49
Neurap 76
Neurobion forte 108
Neurocetam 86
Neuromol-MR 61
Neurontin 71
Neuroxin-12 108
Nevimune 156
Nevipan 156
Neviretro 156
Nevivir 156
Nex 84
Nexivir-Z 157
Nexpro 119
Nextop 71
Nialip 117
Niclosan 168
Nicotinell-TTS 6
Nicotinic acid 117
Nifelat 91
- Nikorан 94
Nilsec 119
Nimegesic 25
Nimegesic-T-gel 26
Nimodol 25
Nimulid 25
Nimulid trans gel 26
Nindral 68
Nipolept 78
Nipress 91
Nistrom 113
Nitacure 164
Nitarid 164
Nitcol 164
Nitravet 68
Nitrepin 91
Nitrest 68
Nitrocontin 94
Nitroderm-TTS 94
Nitroject 94
Nitrolingual 94
Nivaquin-P 28, 159
Nizral 152, 182
Noameba-DS 163
Noctaderm 80
Nodon 13

- Nofear-72 56
Nomigrain 20
Nomite 188
Nootropil 86
Norad 8
Norbactin 133
Norcuron 61
Norditropin 38
Nordrin 8
Noreta HRT 54
Norflox 133
Norgest 54
Nori-A 106
Norilet 133
Noristerat 54, 57
Norlevo 56
Normabrain 86
Normadate 13
Normaxin 4
Normolip 117
Norpace 100
Norphin 84
Nosic 123
Novaclox 136
Novadox 141
Novalgin 25
Novamox 136
Novelon 54, 56
Novolog 41
Novomix 41
Novorapid 41
Noxafil 152
Nozia 124
Nucort 45
Nucoxia 25
Nucoxia-MR 62
Nulife 6
Nuparin 112
Nupercainal 63
Nupercaine 63
Nuvir 48
Nystin eye 151
- O**
- Ocid 119
Octride 38
Ocubeta 14
Ocuchlor 142
Ocudex 45
Ocuflur 24
Ocupres 14
Ocuvir 155
Oestragegel 51
Oflox 100 133
Oframax 139
Ogest 54
Okavax 191
Olace 76
Olamine 152
Olandus 76
Olmate 90
Olyster 11
Omez 119
Omezol 119
Omite 188
Omizac 119
Omnatax 138
Omxitin 121
Oncobleo 174
Oncocarbin 174
Oncocristin 173
Oncolet 52
Oncotaxel 173
Oncotron 174
Ondy 124
Onglyza 43
Oplatatin 175
Optimide 5
Optineuron 108
Optipres 14
Orap 76
Orfix 139
Orgametril 54
Oricar 13
Oriprim 132
Oritaxim 138
Orizolin 138
Ornida 163
Orphipal 74
Orprozil 138
Orthonovum 56
Orzid 139
Osetron 124
Ostofen 24
Otogestic 63
Otrivin 9
Ovilow 56
Ovipauz 56
Ovocyclin-P 51
Ovral 54, 56
Ovral-G 56
Ovral-L 56
Ovulen 51

- Oxcarb 70
Oxep 70
Oxetol 70
Oxizon 151
Oxybutin 5
Oxyspas 5
Oxytocin 59
- P**
- P-carzine 172
Pabalak 183
Pacitane 5, 74
Palonox 124
Paluther 161
Palzen 124
Pangraf 177
Panimun 177
Panimun bioral 177
Panpure 119
Pantin 119
Pantium 119
Pantocid 119
Pantodac 119
Panuron 61
Paracetamol rectal
suppository 25
Paracin 25
Parafon 61
Paraminol 183
Paraxin 142
Parbenz 5, 74
Parendren 48
Parlodel 38, 73
Paroxib 25
Parpex 74
Parvodex 84
Parvon 84
Pavulon 61
Pelox 133
Peltasol 173
Pemex 172
Pencom 135
Penegra 49
Penflur 76
Penglobe 136
Penidure-LA 135
Penivoral 135
Pentorel 84
Pentothal 65
Pepsigard light gel 180
Pergonal 38
Perinorm 123
Peritrate 94
Peritrate-SA 94
Perlice 188
Permite 188
Pernox 184
Persantin 115
Persol 184
Persol forte 184
Perti 133
Pethide 146
Petresin 104
Phenergan 17, 74
Phenimycin 142
Picofit 126
Pilocar 2, 15
Pilodrops 2
Pimodac 76
Pinadol 13
Piodin 186
Pionorm 43
Piorest 43
Piozone 43
Pipen 4
Pipracil 136
Piprapen 136
Piricam 25
Piriton 17
Pirox 25
Pirox gel 26
Pitocin 59
Placidox 71, 82
Platinex 174
Plendil 91
Pletoz 96
Podowart 181
Polaramine 17
Polybiotic cream 141
Polycrol forte gel 120
Polyfer 107
Polyron 107
Ponstan 24
Practin 17
Pramipex 74
Pramirol 74
Prasulet 115
Prasurel 115
Prasusafe 115
Pravator 116
Prazopres 11
Prazosin GITS 11
Preega 71
Pregnidoxin 17

- Pregnorm 38
Premarin 51
Prenoxid 30
Prilox 63
Primacor 98
Primacort 45
Primiprost 22
Primolut-N 54
Primox 80
Privine 9
Probanthine 4
Probofex 107
Procaprin 54
Proctinal 38, 73
Proctoquinol 63
Proctosedyl-M 63
Prodac 80
Profasi 38
Progest 54
Progtase 39
Progumal 159
Progynon-C 51
Progynon depot 51
Proluton 54
Proluton depot 54
Pronestyl 100
- Propine 14
Propovan 65
Prostacton 104
Prostamid 49
Prostigmin 2
Prostin-E₂ 22
Prostin F₂ Alpha 22
Prostin-VR 22
Prostodin 22
Prothiaden 80
Prothacid 146
Protoloc 119
Provake 86
Provera 54
Provironum 48
Proxyvon-MR 62, 84
Prulifact 133
Pruliflox 133
Pruside 91
Psorline 182
PTU 40
Pubergen 38
Pulmicort 36
Puregon 38
Purinethol 173
Pursennid 126
- Pursennid-in 127
Pybactum 136
Pylokit 121
Pylomox 121
Pyrolate 5
Pyzina 146
Pza-ciba 146
- Q**
- Quel 76
Quinarsol 159
Quininga 100
Quinoform 164
Quintor 133
- R**
- Rabglob 193
Rabicip 119
Rabipur 190
Rablet 119
Rabloc 119
Racfax 129
Racigyl 129
Raciper 119
Ramiril 90
Ranitin 119
- Ranolaz 94
Ranozex 94
Rantac 119
Ranvidone aerosol 186
Ranx 94
Rapacan 177
Rapidica 41
Rapimix 41
Rapither 161
Raplin 43
Raricap 107
Rasalect 74
Rasilez 90
Rasilez-HC 90
Rasipar 74
Rastinon 43
Razo 119
Rcin 146
R-Cinex 148
R-Cinex-Z 148
Realfa-2B 156
Recemic 112
Recovorin 109
Reculfate 121
Redotil 129
Reflin 138

- Regan 43
Regestrone 54
Regestrone HRT 54
Regitine 11
Reglan 123
Regubeat 100
Relaxyl 181
Relaxyl gel 26
Relbovin 173
Relenza 156
Relgin 74
Relispray 181
Remcyta 173
Rendil 91
Reopro 115
Resochin 28, 159
Respidon 76
Resteclin 141
Restore 48
Restyl 68
Restyl-SR 68, 82
Retalin 86
Retino-A 184
Retrovir 156
Revaldo 25
Revulant 94
Rexidin 187
Reziz 160
Reziz forte 160
Rezoquin 159
Rhesuman 177
Rhiggal 177
Rhinocort 36
Rhofenid 24
Rhofenid gel 26
Rhogam 177
Rhythmnorm 100
Ribavin 156
Ribufen gel 26
Ributin 148
Rifacom-EZ 149
Rifacom-Z 149
Rifadin-inh 148
Rifagut 129
Rifamycin 146
Rifater 148
Rilimorf 83
Rimactane 146
Rimactazid 148
Rimactazid-Z 149
Rimarex 80
Rimevax 191
Rimodar 160
Rimpin 146
Ringcutter 152
Risperdal 76
Ritodine 9
Ritomax 157
Ritomax-L 157
Ritomune 157
Ritovir 157
Ritrod 9
Rivamer 2, 86
Rivotril 70
Rizact 20
Rizap 146
Rizatan 20
Robiflam 61
Robinax 61
Rocunium 61
Roliten 5
Ropark 73
Ropeway 73
Ropitor 73
Roscillin 135
Rosuvas 116
Rosyn 116
Rotane 119
Rouvax 191
Rovacor 116
Rovamycin 143
Roxem 143
Roxibid 143
Roxid 143
Roxin 40
Rpril 90
Rulide 143
Rutin 110
R-Vac 191
- S**
- Saheli 57
Salazopyrin 28, 129
Salinex 103
Salmeter 34
Salol 34
S-Amcard 91
Sandimmun 177
Sandostatin 38
Sandostatin Lar 38
Saquin 157
Saridon 26
Sarotena 80
Satrofyl 163

- Savlon 187
Savlon liquid antiseptic 187
Sazo-en 28, 129
Scaberid 188
Scabindon 188
Scaboma 188
Scabper 188
Scalpe 182
Scaltix 188
Scoline 61
Sebifin 152
Secnil 163
Sectral 13
Seczol 163
Sedamon 68
Sefdin 139
Seldruff plus 182
Selerin 74
Selgin 74
Selsun 182
Semap 76
Senorm 76
Sensival 80
Sensorcaine 63
Sepgard gel 180
Sepmax 132
Septran 132
Seracel 117
Serenace 76
Serenata 80
Serepax 82
Seridac 81
Serlin 80
Serobid 34
Serobid rotacaps 34
Seroflo—100/250/500 rotacaps 34
Seroflo—125/250 inhaler 34
Seroquin 76
Sertil 80
Shanferon 156
Shantinib 175
Shortal 65
Sicriptin 38, 73
Sigmet 123
Silent-SF 180
Silvirin 132
Simcard 116
Simvas-EZ 117
Simvotin 116
Sinarest 8, 9
Sinemet 73
Sinopil 91
Siquil 76
Sirdalud 62
Sisoptin 141
Sizodon 76
Sizon 17
Sizopin 76
Skizoril 76
Smoquit-SR 81
S-numlo 91
Socalm 76
Sodium-PAS 146
Soframycin 141
Sofsena 126
Solu-medrol 45
Solvin expectorant 32
Somaflam 61
Somastat 38
Somatosan 38
Sonide 91
Sorbitrate 94
Sotagard 13, 100
Sotret 185
Spardac 133
Sparquin 133
Sparta 133
Spasmolysin 4
Spasril 4
Spectra 80
Spiromide 103
Spizef 138
Sporanox 152
Sporidex 138
Stablon 81
Stacid 120
Stag 156
Starstat-EZ 117
Starval 90
Stavir 156
Staxom 133
Stelabid 4
Stemetil 123
Stibs 129
Stilmen 38
Stiloz 96
Streptase 114
Strolin 87
Stugeron 17
Styptin 54
Styptochrome 110

- Styptocid 110
Sucrace 121
Sudafed 9
Sudhinol 84
Sudopen 140
Sufidrin 8
Sulbacin 136
Sulfamylon 132
Sulphate 100
Sulpitac 78
Suminat 20
Sumitrex 20
Sumitrex-inj kit 20
Sunshield 183
Supraxone 139
Supristol 132
Surfaz 151
Surmontil 80
Survector 81
Susevin 84
Sustanon '100' 48
Sustanon '250' 48
Sustinex 80
Synamox 136
Synclar 143
Syndopa-110 73
Syndopa-275 73
Syndopa plus 73
Synomax 103
Synplatt 115
Synriam 161
Syntaris 36
Syntocinon 59
Syscan 152
- T**
- Tabi 49
Tacrel 177
Tacrium 61
Tacroderm 177
Tacromus 177
Tadalafil 49
Tadarich 49
Tamiflu 155
Tanatril 90
Tanzol 49
Targocid 144
Tarivid 133
Tarsyl 183
Tavanic 133
Tavegyl 17
Taxim-O 139
Tazact 136
Tazobid 136
Tazret 183
Tecocin 144
Tecoplan 144
Teczine 17
Tegretol 70
Tegrital-CR 70
Telma 90
Telsar 90
Telvas 90
Tenoclor 92
Tenof 156
Tenoric 92
Tenormin 13
Tenovate 46
Tentide 156
Teralfa 11
Terbiderm 152
Terbutaline 34
Tericox 146
Terlinis 104
Terphylin 36
Terramycin 141
Testanon 48
Testoviron 48
Testoviron depot 48
Tetagam 193
Tetanus antitoxin 192
Tetanus immune serum 192
Tetanus toxoid adsorbed 191
Tetnal 193
Tetradep 81
Tetradox 141
Tevran 142
Thaangio 149
Thalizide 103
Thaloda 149
Theo asthalin 36
Theo asthalin-SR 36
Theobid 34
Theobric 36
Theobric SR 36
Theolong 34
Thiazide 103
Thioril 76
Thiosol 187
Thiosol forte 187
Thiotepa 172
Thrombonil 115

- Thrombosprin 115
Thymoglobulin 177
Thyronorm 40
Thyrox 40
Thyrozole 40
Tibofem 51
Ticlop 115
Ticlovas 115
Tide 103
Tidigesic 84
Tidocol 129
Tidomet forte 73
Tidomet-LS 73
Tidomet plus 73
Tigimax 142
Tilstigmin 2
Timolast 14
Tinaderm 152
Tinavate 152
Tineafax 152
Tini 163
Tiniba 163
Tiniba-DF 164
Tiniba-DF forte 164
Tiova 5
Tizafen 62
Tizan 62
Tizanac 62
Tobacin 140
Tobitil 25
Tobrabact 140
Tobraneg 140
Tolnaderm 152
Tolter 5
Topamate 71
Topcef 139
Topcid 119
Topex 71
Topgem 133
Topicasone 46
Topotec 173
Torfix 129
Torlactone 103
Torleva 71
Torocoxia 25
Torolac 25
Torospar 133
Torq 5
Tossex 32
Toxil 155
Tozaar-H 92
Tozaar-R 92
Tozar 90
T-pill 22
T-pressin 104
Tramazac 84
Transimune 173
Travacom 15
Travatan 15
Trazalon 81
Trazodac 81
Trazonil 81
Trental-400 96
Trezam 139
Tricaine-MPS 63, 120
Tricort 45
Tridazole 163
Triglobe forte 133
Trima 80
Trimovax 191
Trinicalm 76
Triperidol 76
Tripvac 192
Triquilar 56
Trivastal-LA 87
Trivedon 94
Trobicin 143
Trofentyl 65, 84
Tromide 5
Tromune 157
Tropac-P 5, 8
Tropicamet 5
Tropicamet plus 5
Trugaba 71
Trymo 121
Tryptomer 80
Tussigon 30
Tygacil 142
Tyklid 115
Typhim VI 190
Typhivax 190
Typhoral 190
- U**
- Ubpenem 140
Ulcerfate 121
Ulgel 120
Ultac 119
Ultragin 25
Ultra-K 24
Ultralan 46
Ultrazox 61
Uniblastin 173
Unicontin 34

- Unidrea 174
Uniferon 108
Unigrilin 115
Unimezol 163
Unithiben 148
Unitinib 175
Uniwarfin 112
Urimax 11
Urinif 144
Urispas 5
Uroflox 133
Uropase 114
Urotonin 2
- V**
- Vactyph 190
Valamate 4
Valance 70
Valcivir 155
Valium 65, 71, 82
Valparin chrono 70
Valto-P 25
Valzaar 90
Vancocin-CP 144
Vancogen 144
Vancoled 144
- Vancorid-CP 144
Vanmycetin 142
Varilrix 191
Vasograin 20
Vasonorm-H 92
Vasopin 104
Vasopten 91
Vasoxine 8
Vaxem HIB 190
Vaxigrip 191
Vecredil 59
Veniz-XR 81
Venlor 81
Ventair 35
Ventorlin 34
Ventorlin expectorant 32
Vercef 138
Vermin 167
Vermisol 167
Verorab 191
Verovax-R 191
Vertigon 17
Vertin 17
Vfend 152
Vicks vaporub 181
Vigamox 133
- Vinotec 173
Viraferon 156
Viranz 157
Virazide 156
Virodin 157
Virolans 157
Virolis 157
Virosine DR 156
Virostav 156
Visken 13
Vitamin-K 110
V-Letra 157
Voglitor 43
Volibo 43
Volini gel 26
Volix 43
Voltaflam 24
Vomiz 124
Vomnex 123
Vomtil 123
Voveran 24
VPL 91
- W**
- Walagesic 84
Walamycin 144
- Walavin-FP 151
Warfarin sod. 112
Whitfield-SF 181
Wk-trim 132
Wormin 167
Wosulin-30/70 41
Wosulin-N 41
Wosulin-R 41
Wycort 45, 46
Wygesic 84
Wymesone 45
Wysolone 45
- X**
- Xalatan 15
Xarb-H 92
Xaroxolyn 103
Xenobid 24
Xet 80
Xipamid 103
Xipamide 103
Xylocaine 63
Xylocard 100
- Y**
- Yutopar 9

- Z**
- | | | | |
|---------------------|-----------------|--------------|--------------|
| Zalep 68 | Zetpril 90 | Zoldem 68 | Zosecta 119 |
| Zanocin 133 | Zhquine 28 | Zole 151 | Zospar 133 |
| Zaplon 68 | Zidolam 157 | Zoleptil 78 | Zosta 116 |
| Zarontin 70 | Zidomax 156 | Zolium 68 | Zosyn 136 |
| Zaso 68 | Zidovir 156 | Zomatril 129 | Zovirax 155 |
| Zedott 129 | Zinco-sulfa 187 | Zomelis 43 | Zucox 146 |
| Zeet expectorant 32 | Zinetac 119 | Zonapride 78 | Zurig 28 |
| Zeet linctus 32 | Zinulin 41 | Zonicare 71 | Zuvair 35 |
| Zemi 133 | Zipsydon 78 | Zonisep 71 | Zycolchin 28 |
| Zenflox 133 | Zirtin 17 | Zonit 71 | Zydowin 156 |
| Zentel 167 | Zocon 152 | Zopicon 68 | Zyloprim 28 |
| Zesunate 160 | Zoderm 151 | Zopitran 68 | Zyloric 28 |
| Zetica 117 | Zoken 63 | Zorovon 25 | ZYQ 28 |
| | Zolandin gel 26 | Zorpex 119 | Zyrop 109 |