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Second MBBS Buster

PHARMACOLOGY



Avishek Layek
Dyuti Deepta Rano

Foreword
Nilanjan Sengupta

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Contents

1. **Definitions in Pharmacology** 1
   Avishek Layek
2. **Classifications in Pharmacology** 12
   Avishek Layek, Dyuti Deepta Rano
3. **Drug of Choice** 32
   Avishek Layek, Dyuti Deepta Rano
4. **Model Long Questions** 34
   Anusree Krishna Mandal
5. **Short Notes** 44
   Anusree Krishna Mandal
6. **Explain Why and Mechanism of Action** 72
   Avishek Layek, Dyuti Deepta Rano, Tathagata Bhattacharya
7. **Prescription Writing** 134
   Arnab Pal
8. **Prescription Criticism** 140
   Avishek Layek
9. **Therapeutic Problems** 143
   Arnab Pal
10. **Pharmacy** 154
    Avishek Layek, Dyuti Deepta Rano
11. **Drug Interactions** 173
    Arnab Pal
12. **Pharmacology Charts** 181
    Avishek Layek, Dyuti Deepta Rano
13. **Spotting in Pharmacology** 191
    Avishek Layek
14. **Important Viva Questions** 196
    Avishek Layek, Dyuti Deepta Rano
15. **Miscellaneous Notes** 202
    Avishek Layek, Dyuti Deepta Rano

Index *211*

CHAPTER 3

Drug of Choice

Avishek Layek, Dyuti Deepta Rano

- *Pregnancy-related conditions*:
  - *Gestational diabetes*: Insulin ± metformin
  - *Hypertension*: Labetalol or/and methyldopa or/and nifedipine slow-release preparation
  - *Asthma*: Albuterol
  - *Bacterial vaginosis*: Metronidazole or clindamycin
  - *Hypothyroidism*: Levothyroxine
  - *Hyperthyroidism*: Propylthiouracil in first trimester, after that methimazole
  - *Morning sickness*: Doxylamine. If refractory, then dimenhydrinate
  - *Diarrhea*: Oral rehydration salts (ORS) and probiotic/prebiotics
  - *Urinary tract infection (UTI)*: Disodium hydrogen citrate (alkasol), nitrofurantoin (avoid in first trimester)
  - *Venous thromboembolism*: Low molecular weight (LMW) heparin or enoxaparin
  - *Epileptic fit*: Magnesium sulfate
  - *Analgesic*: Paracetamol
  - *Malaria*: Chloroquine
- *Motion sickness*: Scopolamine (previously promethazine)
- *Mountain sickness*: Spironolactone (corrects altitude induced secondary hyperaldosteronism and acidosis)
- *Diabetic dyslipidemia*: Fenofibrate ± statins
- *Infantile spasms*: Vigabatrin (valproate and clonazepam as adjuncts)
- *Absence seizures*: Valproate
- *Generalized tonic-clonic seizures (GTCS)*: Carbamazepine and phenytoin
- *Morphine withdrawal*: Methadone
- *Postoperative and radiation-induced vomiting*: Ondansetron
- *Smoking cessation*: Nicotine transdermal patch/varenicline/bupropion
- *Dysmenorrhea*: Ibuprofen [non-selective cyclooxygenase (COX)] and drotaverine
- *Simple headache*: Paracetamol
- *Paracetamol poisoning*: *N*-acetyl cysteine
- *Postoperative pain*: Tramadol
- *Carbamate poisoning*: Atropine
- *Atropine poisoning*: Physostigmine
- *Organophosphate (OP) poisoning*: Atropine (additionally oximes before aging occurs)
- *Cholera*: Doxycycline
- *Benzodiazepine (BZD) poisoning*: Flumazenil
- *Cheese reaction*: Phentolamine

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- *Hypertension with benign prostatic hypertrophy (BHP)*: Prazosin
- *Malignant hyperthermia*: Dantrolene sodium
- *Methyl alcohol poisoning*: Fomepizole
- *Methicillin-resistant Staphylococcus aureus (MRSA)*: Vancomycin
- *Vancomycin-resistant Staphylococcus aureus (VRSA)*: Linezolid/streptogramins
- *Antipseudomonal*: Piperacillin + tazobactam
- *Postmenopausal osteoporosis*: Alendronate
- *Paroxysmal supraventricular tachycardia (PSVT)*: Adenosine
- *Cisplatin-induced vomiting*: Aprepitant
- *Bleeding esophageal varices*: Octreotide.

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- Provides all reference values from accepted standards.

Avishek Layek MBBS (Gold Medalist) is an Internee, Nil Ratan Sircar Medical College and Hospital, Kolkata, West Bengal, India. He received certificate of first honors (FSM), Senior Prosector (Anatomy) and Junior Class Assistant, FSM. He got honors marks in anatomy, physiology, pharmacology, pathology and microbiology. He has received gold medals in pharmacology and anatomy.



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