

# Case-Based Learning in PHARMACOLOGY for Undergraduate Medical Students

The latest Competency Based Medical Education Guidelines for the undergraduate students lay emphasis on 'Outcome Based Learning'. Problem based learning and Integrated teaching are innovative teaching-learning methods to enhance learning outcomes. There is scarcity of books to cater to the needs of the students and teachers. This book aims to bridge the gap between theoretical knowledge and clinical practice. Clinically relevant topics are selected and hypothetical case scenarios are designed based on learning objectives. Each case is followed by a series of questions with appropriate answers. The case presentation with question-answer format covers major pharmacological principles of the topic.

This book will serve as a rich resource material in teaching, and help students to enhance critical thinking, develop analytical skills, imbibe ability to interpret data and diagnose and solve clinical problems.

#### Salient Features of the Book

- It provides holistic understanding of real-life clinical situations by integrating the basic principles of pharmacology with clinical use of drugs.
- It includes a broader coverage of topics of pharmacology having clinical relevance, and each topic has been dealt in-depth to strengthen the concepts and makes learning more effective.
- Hypothetical case scenarios are designed and the principles of pharmacology in drug use is discussed in a question-answer format progressing stepwise from the basics to higher learning levels of each topic. The book will be beneficial for different categories of learners—poor, medium and advanced.
- There is greater emphasis on 'rationale type' questions to improve reasoning and analytical skills of the learner.
- Schematic diagrams, flowcharts and tables have been included wherever necessary to improve understanding and makes learning more effective.
- The book includes difficult to understand topics such as antiarrhythmics, heart failure, antiepileptics, antidepressants, antipsychotics, general anesthetics, etc.
- Recent changes in treatment guidelines as in tuberculosis, epilepsy, hypertension and diabetes, have been taken into account while explaining therapeutic use of drugs.
- List of resources (i.e. references, books) for further reading has been given at the end of each chapter. This will provide authenticity to the content and instill confidence in the minds of the readers.
- Structure and content of this book is unique and makes learning effective and interesting.

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Misra  
Rath  
Suman



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for Undergraduate Medical Students

As per the latest CBME Guideline | Competency based Undergraduate Curriculum for the Indian Medical Graduate



Snigdha Misra  
Bhabagrahi Rath  
Rajesh Kumar Suman



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