

Textbook of
Preclinical Conservative Dentistry

Textbook of Preclinical Conservative Dentistry

Second Edition

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*Prisha
and
Vedant*

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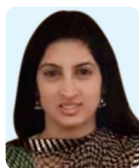
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Foreword

It gives me immense pleasure to introduce you to the second edition of the *Textbook of Preclinical Conservative Dentistry*. Since conservative dentistry is backbone of the dentistry, it is mandatory to train the undergraduate students for restorative procedures before entering the clinics. For the second time, Dr Nisha Garg and Dr Amit Garg present their well-known book of preclinical conservative dentistry, best described in simple and easy language with plenty of diagrams, keeping in mind the syllabus prescribed by many universities of India. Written by the two prominent authorities on this important aspect of dentistry, Dr Nisha Garg and Dr Amit Garg have accumulated a incredible amount of knowledge to summarize this important information into easy-to-read chapters.



From the introduction to preclinical conservative dentistry in chapter one highlighting the importance of preclinical conservative dentistry, going through dental anatomy, nomenclature, physiology of tooth form, armamentarium, dental caries, dental materials, adhesive dentistry, basic fundamentals of tooth preparation and step-by-step tooth preparation for amalgam and composites make this edition a must have preclinical guide for dental students before entering their clinics. This edition has plenty of line diagrams and photographs for better understanding of the concept. The authors have also included the too often neglected aspect of conservative dentistry, i.e. importance, anatomy and tooth preparation of primary teeth, making it understandable how morphology of teeth affect the tooth preparation. I am pleased to introduce and recommend this book as an excellent guide for students to understand the subject of conservative dentistry.



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Preface to the Second Edition

In presenting the second edition of *Textbook of Preclinical Conservative Dentistry*, we would like to express our appreciation in the kindly manner in which the first edition was accepted by dental students across the country. We once again thank Almighty God for His blessings in all our endeavors.

The scope of the second edition of this book is as earlier to be simple yet comprehensive which serve as an introductory for dental students. This book covers basic tooth anatomy, cutting instruments, principles of tooth preparation, dental materials and their manipulation so as to have fundamental knowledge before handling patients in the clinics.

Emphasis is laid upon the language which is simple, understandable and exclusively designed for beginners in conservative dentistry.

The line diagrams are in an expressive interpretation of tooth preparation procedures, which are worked upon and simplified to render them more comprehensive and comparable with real photographs.

In an attempt to improve the book for better clarification of the subject, many eminent personalities were invited to edit, write and modify the important chapters in form of text and photographs. We are grateful to Dr Manoj Hans, Dr Daminder Singh, Dr Shital Kumar and Dr Varun Jindal for providing us photographs related to preclinical and clinical work for better understanding of the subject.

We fall lack of words to thank Dr RS Kang, Dr JS Mann, Dr Navjot Singh Khurana, Dr Ankur Vats, Dr Ashu Jhamb and Dr Savita Thakur for critically evaluating the chapters and bringing them in the best form.

We offer our humble gratitude and sincere thanks to Mr Vikram Bhojia (Secretary, Bhojia Trust) for providing healthy and encouraging environment for our work.

We would like to express our thanks to our colleagues for their 'ready to help' attitude, constant guidance and positive criticism which helped in improvement of the book.

We are grateful to Hu-Friedy, GC Fuji, Coltene Whaledent and Dentsply for using their images in our book.

It is hoped that all these modifications will be appreciated and render the book still more valuable basis for preclinical dentistry.

We thank Shri Jitendar P Vij (Group Chairman), Mr Ankit Vij (Group President) and Mr Tarun Duneja (Director-Publishing), Dr Priya Verma Gupta (Editor-in-Chief, Dentistry), Dr Abha Bedi (Development Editor), Seema Dogra (Cover Designer), Nitesh Jain (Graphics Designer), Deep Kumar Dogra (Operator) of M/s Jaypee Brothers Medical Publishers (P) Ltd, New Delhi, India for showing personal interest and trying to the level best to bring the book in present form.

We shall be grateful to our readers if they critically analyze the text and send us useful suggestions to improve quality of the book for next edition.

Nisha Garg
Amit Garg

Preface to the First Edition

Operative dentistry is one of the oldest branches of dental sciences forming the central part of dentistry as practiced in primary care. It occupies the use of majority of dentist's working life and is a key component of restorative dentistry. The subject and clinical practice of conservative dentistry continues to evolve rapidly as a result of improved understanding of etiology, prevention and management of common dental diseases. The advances and developments within the last two decades have drastically changed the scope of this subject. But before taking professional training, gathering basic knowledge along with operating skill is mandatory.

The main objective of this book is to provide students with the knowledge required while they are developing necessary clinical skills and attitude in their undergraduate training in conservative dentistry and endodontics. We have tried to cover wide topics like morphology of teeth, cariology, different techniques, instruments and materials available for restorations of teeth along with the basics of endodontics.

So we can say that after going through this book, the student should be able to:

- Sit properly while operating and be able to organize their operating environment efficiently
- Understand the morphology of teeth and differentiate one tooth from another
- Chart teeth
- Understand basics of cariology, its prevention and conservative management
- Tell indications and contraindications of different dental materials
- Apply modern pulp protective regimens
- Select suitable restorative materials for restoration of teeth
- Understand the basics of endodontic treatment like what are the indications of endodontic treatment, basic instruments, access preparation, biomechanical preparation and obturation of root canal system.

Nisha Garg
Amit Garg

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