

Book Review: Manipal Manual of Clinical Anatomy, Second Edition

Rajanigandha Vadgaonkar¹, B.V. Murlimanju¹

¹Department of Anatomy, Kasturba Medical College, Mangalore, Manipal Academy of Higher Education, Manipal, India

Recently we read with interest, the textbook titled 'Manipal Manual of Clinical Anatomy, Second Edition', which is authored by Madhyastha and Chakrapani (1-3) and published by CBS Publishers and Distributors Pvt Ltd, New Delhi, India. This second edition was published very recently, and it is as per the competency based undergraduate curriculum for the Indian Medical Graduate. The clinical notes make the applied anatomy much easier, which is obvious in this second edition. This textbook is much improved as it provides high quality photomicrographs of histology slides and simple schematic drawings of them in a concise level according to the requirement of the students. The students are expected to draw histology diagrams in their practical record book, which they usually find difficult in regular classes. This Manipal manual provides simple line diagram, which students can refer to for drawing them in their histology record book. The case studies and multiple-choice questions help the students to prepare for the examinations like USMLE step 1 and PLAB. The case scenarios are built to enhance the critical thinking and application of skills involved in applied anatomy and prepare students for the bedside clinical practice. This also makes 'Anatomy' very interesting and compelling, which otherwise students believe it is all about recalling. The medical education experts and 'National Medical Council' are calling for integrating the basic and clinical subjects, which are already introduced by some of India's premier medical schools. In this context, this textbook (1-3) has tried to break the barrier between the preclinical, para-clinical and clinical subjects. At every possible level, the book has made an attempt to integrate anatomy with others disciplines in both ways: horizontally and vertically.

Most of the available books on anatomy comes with 6 volumes (3 for gross anatomy, 1 for histology, 1 for embryology and 1 for general anatomy). For a short duration of 8 to 9 months course, we believe that this becomes heavy and overload for most of the students. However, these books can be used as reference books. Since gross anatomy, histology and embryology are inseparable and taught together, the students

need to carry all these books together, and most of the students avoid these books. In this context, this Manipal manual is handy as it comes in just 3 volumes (1-3). The 'Volume 1' (1) comprises of general anatomy, general histology, general embryology, genetics, upper limb, lower limb and back. The 'Volume 2' (2) of this manual provides the topographic anatomy of the thorax, abdomen and pelvic regions. The clinical anatomy of head and neck and central nervous system are published in the 'Volume 3' (3) of the Manipal manual of anatomy.

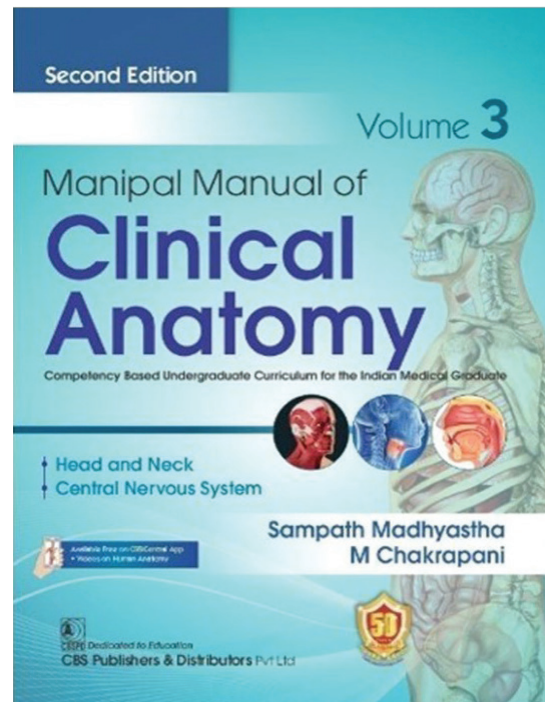
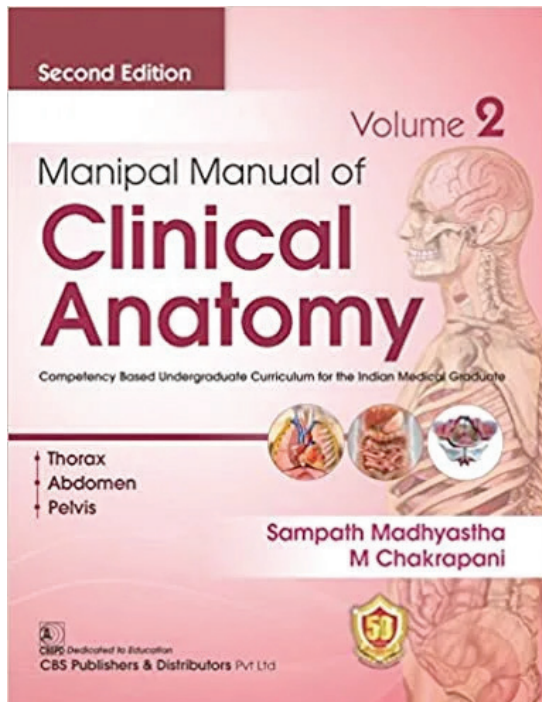
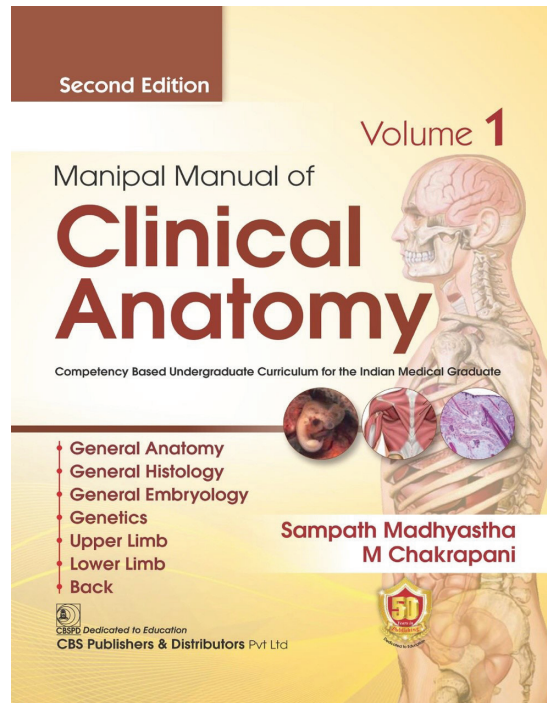
This book is unique in that no other anatomy book shows 200+ case scenarios, 1200 MCQs, which reveal the importance of anatomy. These questions are of comprehension, application and analysis level, which are thought provoking. After learning a chapter, the students can evaluate themselves by trying to answer these high standard MCQs. If they fail to answer, they can refer to the textbook to revise the concept which they missed out on. Most of the books list the clinical/applied anatomy at the end of the chapter, which students hardly read. In this book, the anatomical explanation is followed by relevant clinical anatomy, where it is applicable. This creates interest in reading anatomy and correlation with the case scenarios, which students may face in real life as medical doctors.

This manual also provides a special section, 'JUST BEFORE THE EXAM' for every chapter, which facilitates the last-minute revision, which is valuable since it is not possible for many students to revise the entire textbook. This manual makes the student life easier and stress free before the exam. This book provides adequate exam materials, which includes probable major and short note questions, histology slide identification points, list of gross anatomy spotters, OSPE questions and list of must draw diagrams. This would help every student irrespective of the universities or the exam pattern. This will not only prepare the students, but it also eases the teacher's workload tremendously.

Overall, the novelty of this textbook (1-3) is it provides all aspects of human anatomy that includes the various sections such as gross anatomy,

microstructure, development, surface anatomy and clinical anatomy. This textbook can be recommended to students of health sciences of all English-speaking nations globally, however it

helps the Indian medical students and the students who are preparing for competitive exams like NEET, PLAB or USMLE step 1 like in American and Caribbean medical schools.



Address for correspondence

B.V. Murlimanju, MD, Associate Professor, Department of Anatomy, Kasturba Medical College, Mangalore, Manipal Academy of Higher Education, India.
Telephone N° 91 824 2211746, Telefax N° 91 824 2421283,
E-Mail: murali.manju@manipal.edu