

Human Anatomy and Physiology

*for Courses in
Nursing and Allied Health Sciences*

This textbook, written in an easy to understand language and presented in a systematic format, enables the students to understand the principles and mechanisms of normal body functions so that they can appreciate how these mechanisms alter in illness. Clinical applications have been included in the text so that the students can understand why a patient has certain problem and thus the biological rationale for rendering appropriate medical and nursing care.

In this edition new facts and concepts have been added and some parts of the text have been rewritten to update subject matter. All the illustrations have been modified, improved and redrawn to match the contemporary style of graphics seen in recent publications. The questions at the end of each chapter have been formulated to encourage students to relate to and apply the information required as their learning progresses.

The book is more than sufficient for diploma in nursing and fully meets the requirements of BSc (Nursing) students. It will prove highly useful for the students of different diploma/degree courses in the field of allied healthsciences.



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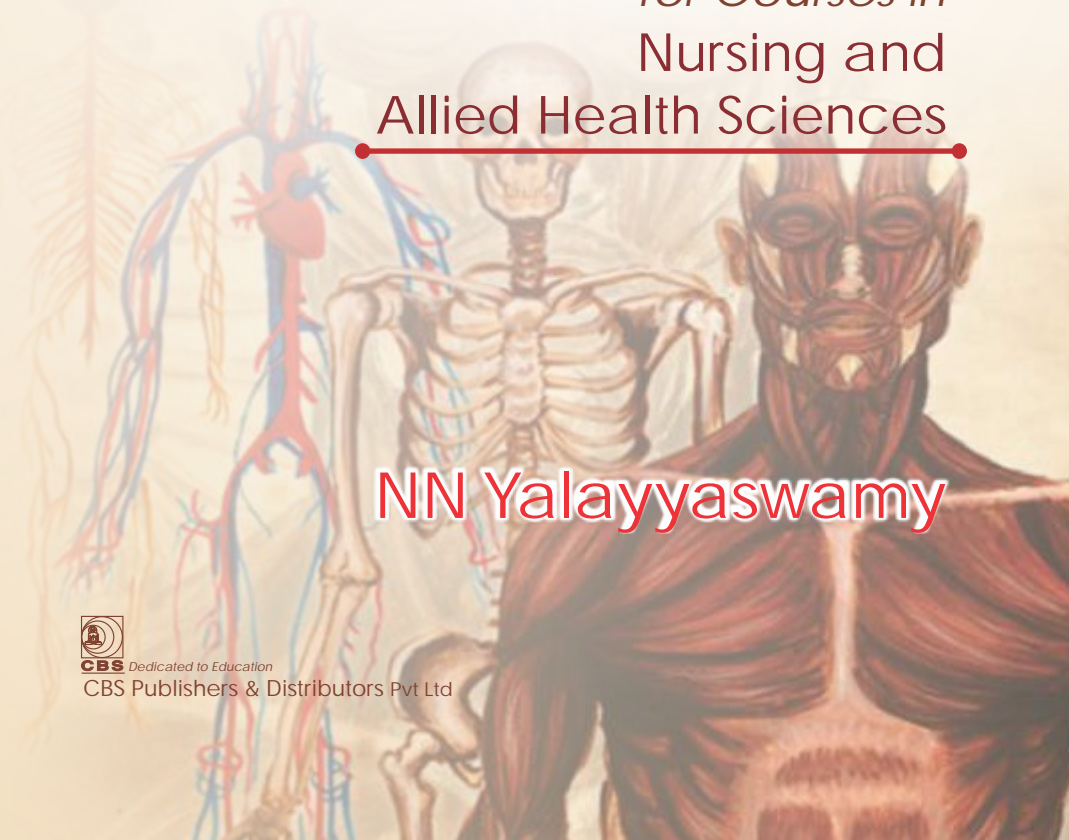


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Preface

The warm response for the first edition of *Human Anatomy and Physiology* has encouraged me to bring out the new edition. The suggestions and comments for the improvement of the text prompted me to undertake a revision of the same, the result of which is this new edition.

The fourth edition contains 13 chapters. New facts and concepts have been added to most of the chapters and some parts of the text have been rewritten to update subject matter. Several illustrations have been modified and improved and several new illustrations have been included.

I hope that the systematic format and the presentation is easily palatable. It enables the students to understand the principles and mechanisms of normal body function, so that they can appreciate how these mechanisms alter in illness. Clinical applications are included in the text so that they understand why a patient has certain problem and thus the biological rationale for his medical and nursing care.

I do claim that this book is more than sufficient for Diploma in nursing and allied health sciences students. The units on skeletal systems, muscular systems, integumentary system, special senses, urinary system and nervous system have been updated to meet the requirements of students of BSc nursing and other such courses in allied health sciences.

The questions at the end of each chapter have been formulated to encourage students to relate and to apply the information required as their instruction progresses.

Suggestions for improving the next edition would be gratefully accepted and appreciated.

NN Yalayaswamy

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