Johannes W. Rohen
Chihiro Yokochi
Elke Lütjen-Drecoll

Color Atlas of Anatomy

A Photographic Study of the Human Body

Seventh Edition

Coeditions in 20 Languages

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Preface to the Seventh Edition

This new edition was revised and structured anew in different ways. Each chapter is provided with an introductory front page to give an overview of the topics of the chapter and short descriptions. The whole introductory chapter "General Anatomy" was newly arranged and supported with introductory texts, thus facilitating students to better understand the complicated "world" of gross anatomy. The large chapter 2 "Head and Neck" was split into 5 sub-chapters with an introductory page each. Furthermore, the drawings were revised and improved in many chapters and depicted more consistently. In most of the chapters new photographs taken from newly dissected specimens were incorporated.

The general structure and arrangement of the Atlas were maintained. The chapters of regional anatomy are consequently placed behind the systematic descriptions of the anatomical structures so that students can study – e.g. before dissecting an extremity – the systematic anatomy of bones, joints, muscles, nerves and vessels. For studying the photographs of the specimens the use of a magnifier might be helpful. The enormous plasticity of the photos is surprising, especially at higher magnifications.

In many places new MRI and CT scans were added to give consideration to the new imaging techniques which become more and more important for the student in preclinics. We would like to express our sincere thanks to Prof. Heuck, Munich, who provided us with the MRI scans.

In the underlying seventh edition photographs of the surface anatomy of the human body were included again. We omitted marks and indications in order not to affect the quality of the pictures.

Despite numerous additions and amendments the size of the volume did not increase so that students both in preclinics and in clinics are offered an atlas easy to handle and cope with.

While preparing this new edition, the authors were reminded of how precisely, beautifully, and admirably the human body is constructed. If this book helps the student or medial doctor to appreciate the overwhelming beauty of the anatomical architecture of tissues and organs in the human, then it greatly fulfils its task. Deep interest and admiration of the anatomical structures may create the "love for man", which alone can be considered of primary importance for daily medical work.

We would like to express our great gratitude to all coworkers for their skilled work. Without their help the improvements of the *Color Atlas of Anatomy* would not have been possible. We would also like to express our sincere thanks to those at Schattauer GmbH, Stuttgart, Germany, Lippincott, Williams & Wilkins, Baltimore, Maryland, USA, and Igaku-Shoin, Tokyo, Japan, who always listened to our suggestions and invested again a great deal of their effort into improving this book.

Acknowledgements

We would like to express our great gratitude to all coworkers who helped to make the *Color Atlas of Anatomy* a success. We are particularly indebted to those who dissected new specimens with great skill and knowledge, particularly to Jeff Bryant (member of our staff) and Dr. Martin Rexer (now Klinikum Fürth, Germany), who prepared most of the new specimens of the fifth, sixth and seventh edition. We would also like to thank Dr. K. Okamoto (now Nagasaki, Japan), who dissected many excellent specimens of the fourth edition, also included in the fifth edition. Furthermore, we are greatly indebted to Prof. W. Neuhuber and his coworkers for their great efforts in supporting our work.

The specimens of the previous editions also depicted in this volume were dissected with great skill and enthusiasm by Prof. Dr. S. Nagashima (now Nagasaki, Japan), Dr. Mutsuko Takahashi (now Tokyo, Japan), Dr. Gabriele Lindner-Funk (Erlangen, Germany), Dr. P. Landgraf (Erlangen, Germany), and Miss Rachel M. McDonnell (now Dallas, Texas, USA).

We are greatly indebted to Prof. Kyung Won Chung, Ph.D., Director of Medical Gross Anatomy, University of Oklahoma, USA, Dept. of Cell Biology, for his careful corrections of the proofs of the new edition.

We would also like to express our many thanks to Prof. W. Bautz (Radiologisches Institut, University Erlangen-Nürnberg, Germany) and Prof. A. Heuck (Radiologisches Zentrum, München-Pasing, Germany), who provided the newly included excellent CT and MRI scans.

We are also greatly indebted to Mr. Hans Sommer (SOMSO Co., Coburg, Germany), who kindly provided a number of excellent bone specimens.

Finally, we would like to express our great gratitude to our photographer, Mr. Marco Gößwein, who contributed the very excellent macrophotos. Excellent and untiring work was done by our secretaries, Mrs. Lisa Köhler and Elisabeth Wascher, and as well by our artists, Mr. Jörg Pekarsky and Mrs. Annette Gack, who not only performed excellent new drawings but revised effectively the layout of the new edition.

Last but not least, we would like to express our sincere thanks to all scientists, students, and other coworkers, particularly to the ones at the publishing companies themselves.

Erlangen, Germany; Spring 2010

J. W. Rohen
C. Yokochi
E. Lütjen-Drecoll

Preface to the First Edition

Today there exist any number of good anatomic atlases. Consequently, the advent of a new work requires justification. We found three main reasons to undertake the publication of such a book.

First of all, most of the previous atlases contain mainly schematic or semischematic drawings which often reflect reality only in a limited way; the third dimension, i.e., the spatial effect, is lacking. In contrast, the photo of the actual anatomic specimen has the advantage of conveying the reality of the object with its proportions and spatial dimensions in a more exact and realistic manner than the "idealized", colored "nice" drawings of most previous atlases. Furthermore, the photo of the human specimen corresponds to the student's observations and needs in the dissection courses. Thus he has the advantage of immediate orientation by photographic specimens while working with the cadaver.

Secondly, some of the existing atlases are classified by systemic rather than regional aspects. As a result, the student needs several books each supplying the necessary facts for a certain region of the body. The present atlas, however, tries to portray macroscopic anatomy with regard to the regional and stratigraphic aspects of the object itself as realistically as possible. Hence it is an immediate help during the dissection courses in the study of medical and dental anatomy.

Another intention of the authors was to limit the subject to the essential and to offer it didactically in a way that is self-explanatory. To all regions of the body we added schematic drawings of the main tributaries of nerves and vessels, of the course and mechanism of the muscles, of the nomenclature of the various regions, etc. This will enhance the understanding of the details seen in the photographs. The complicated architecture of the skull bones, for example, was not presented in a descriptive way, but rather through a series of figures revealing the mosaic of bones by adding one bone to another, so that ultimately the composition of skull bones can be more easily understood.

Finally, the authors also considered the present situation in medical education. On one hand there is a universal lack of cadavers in many departments of anatomy, while on the other hand there has been a considerable increase in the number of students almost everywhere. As a consequence, students do not have access to sufficient illustrative material for their anatomic studies. Of course, photos can never replace the immediate observation, but we think the use of a macroscopic photo instead of a painted, mostly idealized picture is more appropriate and is an improvement in anatomic study over drawings alone.

The majority of the specimens depicted in the atlas were prepared by the authors either in the Dept. of Anatomy in Erlangen, Germany, or in the Dept. of Anatomy, Kanagawa Dental College, Yokosuka, Japan. The specimens of the chapter on the neck and those of the spinal cord demonstrating the dorsal branches of the spinal nerves were prepared by Dr. K. Schmidt with great skill and enthusiasm. The specimens of the ligaments of the vertebral column were prepared by Dr. Th. Mokrusch, and a great number of specimens in the chapter of the upper and lower limb was very carefully prepared by Dr. S. Nagashima, Kurume, Japan.

Once again, our warmest thanks go out to all of our coworkers for their unselfish, devoted and highly qualified work.

Erlangen, Germany; Spring 1983

J.W. Rohen
C. Yokochi

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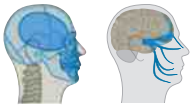

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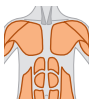

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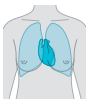

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