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2021-11-02

## ROLLINS HARRY

*Index-catalogue of Medical and Veterinary Zoology* Elsevier Health Sciences

Includes section, "Recent book acquisitions" (varies: Recent United States publications) formerly published separately by the U.S. Army Medical Library.

**A Practical Approach to Musculoskeletal Medicine E-Book** Elsevier Health Sciences

Despite a brief history, the technologies of virtual microscopy and virtual slides have captured the imagination of many, especially this current crop of students. Having come of age in the computer and Internet age, this emerging group of technicians and researchers tends to display a distinct preference for virtual slides and virtual microscopes.

*Functional Histology Teton* NewMedia

There's no other A&P text that equals Anatomy & Physiology for its student-friendly writing, visually engaging content, and wide range of learning support. Focusing on the unifying themes of structure and function in homeostasis, this dynamic text helps you easily master difficult material with consistent, thorough, and non-intimidating explanations. You can also connect with the textbook through a number of free electronic resources, including Netter's 3D Interactive Anatomy, the engaging A&P Online course, an electronic coloring book, online tutoring, and more! Creative, dynamic design with over 1400 full-color photographs and drawings, plus a comprehensive color key, illustrates the most current scientific knowledge and makes the information more accessible. UNIQUE! Consistent, unifying themes in each chapter such as the Big Picture and Cycle of Life sections tie your learning together and make anatomical concepts relevant. UNIQUE! The Clear View of the Human Body is a full-color, semi-transparent, 22-page model of the body that lets you virtually dissect the male and female human bodies along several planes of the body. UNIQUE! Body system chapters have been broken down into separate chapters to help you learn material in smaller pieces. UNIQUE! A&P Connect guides you to the Evolve site where you can learn more about related topics such as disease states, health professions, and more. Quick Guide to the Language of Science and Medicine contains medical terminology, scientific terms, pronunciations, definitions, and word part breakdowns for key concepts. Brief Atlas of the Human of the Human Body contains more than 100 full-color supplemental photographs of the human body, including surface and internal anatomy. Free 1-year access to Netter's 3D Interactive Anatomy, powered by Cyber Anatomy, a state-of-the-art software program that uses advanced gaming technology and interactive 3D anatomy models to learn, review, and teach anatomy. Smaller, separate chapters for Cell Reproduction, Autonomic Nervous System, Endocrine Regulation, and Endocrine Glands. Expansion of A&P Connect includes Protective Strategies of the Respiratory Tract, "Meth Mouth," Chromosome Territories, Using Gene Therapy, and Amazing Amino Acids. Art and content updates include new dynamic art and the most current information available.

*Physiological Basis of Aging and Geriatrics* Elsevier Health Sciences

Introduction 'Bocca della Verità' or 'Mouth of Truth' is the logo of the Unit for the Study and Therapy of Sleep Respiratory Disorders at the University of Rome 'La Sapienza'. It was chosen because its round shape with surprised expression, small nose and open mouth mirrors the typical face of a patient with OSAS (pre-therapy). The stone (diameter 1.75 m) in fact represents the face of a screaming faun and was originally found in the Mercury Temple area. According to popular legend, anyone putting his hand in the mouth will have it cut off if he has told a lie. When I first became involved in the field of OSAS about ten years ago, I had no idea that this activity would become foremost in both my professional and my academic life. My curiosity was aroused when a patient of mine, an extremely fat patient, whom I had been following for a long time regarding a hearing problem, asked me for a prescription for CPAP. He had read in a newspaper that this device could solve his nocturnal respiration and diurnal hypersomnolence problems. Suddenly, I was confronted with documentation on snoring, OSAS, polysomnography, upper airway surgery, and positive pressure devices. I was then, and still am now, a Professor of Audiology. Audiology was and still is the object of my love, but it is mainly a speculative discipline. It involves physics, electronics, psychology, rehabilitation, and great possibilities for basic research. However, only rarely does an audiological patient obtain full satisfaction clinically. Patients with neurosensorially-based deafness can be rehabilitated, but with

difficulty; conductive hearing loss is light and recovers automatically in most cases; in a few cases, the patient can be packed up and delivered to the ear surgeon or audioprosthesis technician. Vertigo is dramatic, but recovers spontaneously or after long-term rehabilitation, or it is categorized as a neurological symptom. Tinnitus is frustrating and the audiologist centers most of his time and energy on trying to convince the patient to forget it. In fact, it is very rare to see a patient affected by an audiological disease recover after intervention by an audiologist. Furthermore, most patients are either very old or very young. With OSAS patients, things are very different. The patient is usually at the peak of his life; he has serious disturbances in his social, familial, and working spheres; he is sedentary and is often a manager with a disordered of lifestyle (does not partake in any sport; smokes and drinks too much), he has become irritable, apathetic, and is starting to worry about dying during the night or suffocating. He has been followed for years for his arterial hypertension and latent arrhythmia. He, or often she, is a snorer and, after complaints from their partner, sleeps in a separate room. His sex life is affected, and he often gets up during the night convinced that he has prostatic problems too. Unfortunately, for many years, no-one thought that these kinds of patients should consider consulting an otolaryngologist, and, at the same time, otolaryngologists never thought of taking care of this pathology. As soon I started to see the first cases and was able to solve their obstruction, the number of patients being referred grew dramatically, as did my skill in this field. It was a really rewarding job. After years of hyperspecialistic practice, I returned to patient care in its entirety. Sometimes, a simple intervention such as nasal septoplasty or tonsillectomy, i.e., one of those interventions so often underestimated by more expert colleagues, was able to solve some of the serious problems of life. In the meantime, specific new techniques came into being: radiofrequencies, oral appliances, diode lasers, tongue suspension devices, while, at the same time, diagnostic instrumentation such as polysomnography became more flexible and could more easily be applied to obstructive disorders. By 1997, my department was in an uproar about OSAS since I had got most of my colleagues interested in becoming involved, and the first sponsor was my former chief, Roberto Filippo, who gave me his approval, space to work in, and encouragement to overcome all the problems. My other colleagues, and I would like to mention all of them here: Giorgio Bandiera, Maurizio Barbara, Gian Antonio Bertoli, Ferdinando D'Ambrosio, Elio De Seta, Simonetta Masieri, Antonio Minni, Simonetta Monini, Virgilio Pizzichetta, Mario Patrizi, Maurizio Saponara, and Antonino Sciuto, either directly or indirectly, also offered to put their experience into writing various sections for this book. A specific section was also organized at the Institute, and I was able to coordinate some of our residents who have recently taken on the task of apostles, spreading the knowledge they acquired on OSAS during their time with us to other hospitals in the region. I must mention them too, since very often they did most of the work, and in OSAS, that is a lot of work: Francesca Auriti, Angelo Clarici, Fulvio Di Fulvio, Arianna Mattioni, Angela Mollica, Maria Laura Panatta, Barbara Pichi, Raniero Pucci, Mario Rinaldi, Rocco Roma, Anna Sambito, Ilenia Schettino, Rocco Schettino, Emanuela Sitzia, Artur Zajmi, and others. The diagnosis and treatment of, and scientific research into, OSAS is a multidisciplinary task, and I succeeded in involving many professors from related disciplines at the hospital of the University 'La Sapienza': Carlo Cannella for Alimentation and Human Nutrition, Eugenio Gaudio for Anatomy, Giuseppe Calcagnini for Cardiology, Vincenzo Bonifacio and Debora Giannini for Endocrinology, Adolfo Francesco Attili for Gastroenterology, Franco Angelico for Internal Medicine, Giorgio Iannetti for Maxillo-Facial Surgery, Giuseppe Amabile for Neurology, Maria Pia Villa for Pediatrics, Alessandro Perrone and Ilio Cammarella for Pneumology, and Carlo De Dominicis for Urology. They used their experience in treating these patients and present their results in their contributions to this book. During the same period, the diagnosis and therapy of OSAS was spreading fast to all otolaryngological units at universities and hospitals throughout Italy. It was easy for me to share my enthusiasm, and thus we built up a network of close cooperation. Any otolaryngologist will know these contributors so well that it would be easy for him to find their papers in this book, but still I want to mention those who were closest in advising and helping me: Marco Fusetti from L'Aquila, Luigi D'Angelo and Vieri Galli from Naples, Pietro Ferrara, Riccardo Speciale and Salvatore Restivo from Palermo, Oskar Schindler from Turin, and Maurizio Maurizi and Vittorio Pierro from Rome. The time was now ripe to confront the world nomenclature on OSAS. The dream to share a rendezvous with all (or most of)

the prominent people from all the disciplines involved in both the clinical and scientific research on OSAS was realized in 1997 at the 'ROMA OSAS - First International Conference on the Diagnosis and Therapy of Snoring and OSAS', which was followed by a second meeting in the year 2000, and a third in 2002. I only have to mention the names of the presidents of these conferences to testify to the high quality that was achieved: Giovanni Bonsignore, Gisle Djupesland, Roberto Filippo, Christian Guilleminault, Meir Kryger, Elio Lugaresi. It would be inappropriate to mention here only some of those who also took part, and there are too many to mention them all, since they are all equally important. I was very honored to ask them for and to receive papers for this book. Some of the abstracts presented at these conferences are also included in this book as highlights on various subjects, due to their particular relevance. And so, finally, you now know how this book was born. It is the collection of an enthusiastic beginner who persuaded his friends and/or colleagues from his department, his university, his country, and the entire scientific community, to submit papers on the basics and state-of-the-art of relevant topics regarding snoring and OSAS, which, hopefully, in its turn will help those other enthusiastic beginners who wish to improve their knowledge on the care of apneic patients. Also, even though many of the chapters are written by participants at the ROMA OSAS Conferences, this book is not an abstract volume of those meetings. It does, however, represent the scientific development unearthed on those occasions. For this reason, I think it would also be a valid textbook on OSAS from an otolaryngological point of view. After the many thanks due to the contributors, my final thanks must go to the person who had the patience to cooperate with me on the editorial work: Peter Bakker of Kugler Publications. My confrontations with him were often thorny, but we both had the same goal in mind: to offer you the best possible product. We hope that you will agree with us that this book will be a useful addition, both to your practice and to your continuing education. Mario Fabiani

*Improving Diagnosis in Health Care* Infobase Publishing

In 1858, Drs. Henry Gray and Henry Vandyke Carter created a book for their surgical colleagues that established an enduring standard among anatomical texts. After more than 150 years of continuous publication, Gray's Anatomy remains the definitive, comprehensive reference on the subject, offering ready access to the information you need to ensure safe, effective practice. This 41st edition has been meticulously revised and updated throughout, reflecting the very latest understanding of clinical anatomy from field leaders around the world. The book's traditional lavish art programme and clear text have been further honed and enhanced, while major advances in imaging techniques and the new insights they bring are fully captured in new state-of-the-art X-ray, CT, MR, and ultrasonic images. Presents the most detailed and dependable coverage of anatomy available anywhere. Regional organization collects all relevant material on each body area together in one place, making access to core information easier for clinical readers. Anatomical information is matched with key clinical information where relevant. Numerous clinical discussions emphasize considerations that may affect medical care. Each chapter has been edited by experts in their field, ensuring access to the very latest evidence-based information on that topic. More than 1,000 completely new photographs, including an extensive electronic collection of the latest X-ray, CT, MR, and histological images. The downloadable Expert Consult eBook version included with your purchase allows you to search all of the text, figures, references and videos from the book on a variety of devices. Carefully selected electronic enhancements include additional text, tables, illustrations, labelled imaging and videos - as well as 24 specially invited 'Commentaries' on new and emerging topics related to anatomy. **National Library of Medicine Audiovisuals Catalog** CRC Press

Volume1, A - For. Volume 2 Fra - Par. Volume 3 Par - Z. Index. **Cornell University Register and Catalogue** Elsevier Health Sciences

Rev. ed. of: The human body in health & disease / Gary A. Thibodeau, Kevin T. Patton. 5th ed. c2010.

**Magill's Medical Guide** OUP Oxford

Getting the right diagnosis is a key aspect of health care - it provides an explanation of a patient's health problem and informs subsequent health care decisions. The diagnostic process is a complex, collaborative activity that involves clinical reasoning and information gathering to determine a patient's health problem. According to *Improving Diagnosis in Health Care*, diagnostic errors-inaccurate or delayed diagnoses-persist throughout all

settings of care and continue to harm an unacceptable number of patients. It is likely that most people will experience at least one diagnostic error in their lifetime, sometimes with devastating consequences. Diagnostic errors may cause harm to patients by preventing or delaying appropriate treatment, providing unnecessary or harmful treatment, or resulting in psychological or financial repercussions. The committee concluded that improving the diagnostic process is not only possible, but also represents a moral, professional, and public health imperative. Improving Diagnosis in Health Care, a continuation of the landmark Institute of Medicine reports *To Err Is Human* (2000) and *Crossing the Quality Chasm* (2001), finds that diagnosis-and, in particular, the occurrence of diagnostic errors“has been largely unappreciated in efforts to improve the quality and safety of health care. Without a dedicated focus on improving diagnosis, diagnostic errors will likely worsen as the delivery of health care and the diagnostic process continue to increase in complexity. Just as the diagnostic process is a collaborative activity, improving diagnosis will require collaboration and a widespread commitment to change among health care professionals, health care organizations, patients and their families, researchers, and policy makers. The recommendations of *Improving Diagnosis in Health Care* contribute to the growing momentum for change in this crucial area of health care quality and safety.

**Cervical Cancer** Elsevier Health Sciences

The biological sciences cover a broad array of literature types, from younger fields like molecular biology with its reliance on recent journal articles, genomic databases, and protocol manuals to classic fields such as taxonomy with its scattered literature found in monographs and journals from the past three centuries. Using the *Biological Literature: A Practical Guide*, Fourth Edition is an annotated guide to selected resources in the biological sciences, presenting a wide-ranging list of important sources. This completely revised edition contains numerous new resources and descriptions of all entries including textbooks. The guide emphasizes current materials in the English language and includes retrospective references for historical perspective and to provide access to the taxonomic literature. It covers both print and electronic resources including monographs, journals, databases, indexes and abstracting tools, websites, and associations—providing users with listings of authoritative informational resources of both classical and recently published works. With chapters devoted to each of the main fields in the basic biological sciences, this book offers a guide to the best and most up-to-date resources in biology. It is appropriate for anyone interested in searching the biological literature, from undergraduate students to faculty, researchers, and librarians. The guide includes a supplementary website dedicated to keeping URLs of electronic and web-based resources up to date, a popular feature continued from the third edition.

**Aluminium in Biology and Medicine** IOS Press

Renowned for its clarity and accessibility of writing style, this popular volume explains the fundamental principles of human anatomy and physiology while exploring the factors that contribute to disease process. Rich with helpful learning features such as *Mechanisms of Disease*, *Health Matters*, *Diagnostic Study*, and *Sport and Fitness*, this volume has been fully updated to make full reference to European healthcare systems, including drugs, relevant investigations and local treatment protocols. The also book comes with an extensive website facility (which includes a wide array of helpful lecturer resources) and accompanying *Brief Atlas of the Human Body* and *Quick Guide to the Language of Science and Medicine*. *Anatomy and Physiology*, Adapted International Edition, will be ideal for students of nursing and allied health professions, biomedical and paramedical science, operating department practice, complementary therapy and massage therapy, as well as anyone studying BTEC (or equivalent) human biology. Unique ‘Clear View of the Human Body’ allows the reader to build up a view of the body layer by layer Clear, conversational writing style helps demystify the complexities of human biology Content presented in digestible ‘chunks’ to aid reading and retention of facts Consistent unifying themes, such as the ‘Big Picture’ and ‘Cycle of Life’ features, help readers understand the interrelation of body systems and how they are influenced by age and development Accompanying *Brief Atlas of the Human Body* offers more than 100 full-colour transparencies and supplemental images that cover body parts, organs, cross sections, radiography images, and histology slides *Quick Guide to the Language of Science and Medicine* contains medical terminology and scientific terms, along with pronunciations, definitions, and word part breakdowns for terms highlighted in the text Numerous feature boxes such as *Language of Science and Language of Medicine*, *Mechanisms of Disease*, *Health Matters*, *Diagnostic Study*, *FYI*, and *Sport and Fitness* provide interesting and important side considerations to the main text More than 1,400 full-colour photographs and spectacular drawings illustrate the most current scientific knowledge and help bring difficult concepts to life *Quick Check Questions* within each chapter help reinforce learning by prompting readers to review what they just read Chapter outlines, chapter objectives and study tips begin each chapter Outline summaries, review questions, critical thinking questions, and case studies are

included at the end of each chapter *Study Hints* found throughout the text give practical advice to students about mnemonics or other helpful means of understanding or recall *Connect IT!* features link to additional content online to facilitate wider study *Helpful Glossary* and *Anatomical Directions* Ideal for students who are new to the subject, or returning to study after a period of absence, and for anyone whose first language is not English *The Human Body in Health & Disease - Softcover6* Mosby Incorporated

Vols. 8-10 of the 1965-1984 master cumulation constitute a title index.

**Buffalo Medical Journal** CRC Press

Describes risk factors, symptoms, diagnosis and treatment of cervical cancer.

**Using the Biological Literature** Professor Arunachalam Henry Sathananthan

This best-selling atlas contains over 900 images and illustrations to help you learn and review the microstructure of human tissues. The book starts with a section on general cell structure and replication. Basic tissue types are covered in the following section, and the third section presents the microstructures of each of the major body systems. The highest -quality color light micrographs and electron micrograph images are accompanied by concise text and captions which explain the appearance, function, and clinical significance of each image. The accompanying website lets you view all the images from the atlas with a "virtual microscope", allowing you to view the image at a variety of pre-set magnifications. Utilizes "virtual microscope" function on the website, allowing you to see images first in low-powered and then in high powered magnification. Incorporates new information on histology of bone marrow, male reproductive system, respiratory system, pancreas, blood, cartilage, muscle types, staining methods, and more. Uses Color coding at the side of each page to make it easier to access information quickly and efficiently. Includes access to [www.studentconsult.com](http://www.studentconsult.com), an interactive community center with a wealth of additional resources!

**Surgery for Snoring and Obstructive Sleep Apnea**

**Syndrome** Elsevier Health Sciences

Just because A&P is complicated, doesn't mean learning it has to be. Anthony's *Textbook of Anatomy & Physiology*, 21st Edition uses reader-friendly writing, visually engaging content, and a wide range of teaching and learning support to ensure classroom success. Focusing on the unifying themes of structure and function and homeostasis, author Kevin Patton uses a very conversational and easy-to-follow narrative to guide you through difficult A&P material. The new edition of this two-semester text has been updated to ensure you have a better understanding of how the entire body works together. In addition, you can connect with the textbook through a number of free electronic resources, including , an electronic coloring book, 3D animations, and more! Conversational writing style at a 11.7 reading level (the lowest available for 2-semester A&P books) makes text engaging and easy to understand. Updated Genetics chapter includes important advancements in that field. Updated content on osmosis revised to make it more simple and accurate. More than 1,400 full-color photographs and drawings illustrate the most current scientific knowledge and bring difficult concepts to life. Includes a unique color key to show color scheme that is used consistently throughout the book (for example, bones are off white, enzymes are lime green, nucleus is purple). UNIQUE! Consistent unifying themes, such as the *Big Picture* and *Cycle of Life* sections in each chapter, help you comprehend the interrelation of body systems and how the structure and function of these change in relation to age and development. Numerous feature boxes including: *Language of Science and Language of Medicine*, *Mechanisms of Disease*, *Health Matters*, *Diagnostic Study*, *FYI*, *Sport and Fitness*, and *Career Choices* provide interesting and important sidebars to the main content. *Quick Check Questions* reinforce learning by prompting you to review what you've just read. Chapter outlines, chapter objectives and study tips begin each chapter. NEW! *Integrative Unit Closers* ties together content with integrative critical thinking questions. NEW! Additional and updated *Connect It!* boxes (renamed from A&P *Connect*) provide relevant "bonus" information for you to explore. NEW! All-new animations in the text and on *Evolve* companion site help you understand the reasoning and knowledge behind each answer and assist with recalling correct answers.

**Exercise Physiology** Kugler Publications

*Anatomy & Physiology* (includes A&P Online course) E-Book

**Virtual Microscopy and Virtual Slides in Teaching,**

**Diagnosis, and Research** National Academies Press

A&P may be complicated, but learning it doesn't have to be! *Anatomy & Physiology*, 11th Edition uses a clear, easy-to-read approach to tell the story of the human body's structure and function. Color-coded illustrations, case studies, and *Clear View of the Human Body* transparencies help you see the "Big Picture" of A&P. To jump-start learning, each unit begins by reviewing what you have already learned and previewing what you are about to learn. Short chapters simplify concepts with bite-size chunks of information. Conversational, storytelling writing style breaks down information into brief chapters and chunks of information, making

it easier to understand concepts. 1,400 full-color photographs and drawings bring difficult A&P concepts to life and illustrate the most current scientific knowledge. UNIQUE! *Clear View of the Human Body* transparencies allow you to peel back the layers of the body, with a 22-page, full-color insert showing the male and female human body along several planes. The *Big Picture* and *Cycle of Life* sections in each chapter help you comprehend the interrelation of body systems and how the structure and function of these change in relation to age and development. Interesting sidebars include boxed features such as *Language of Science and Language of Medicine*, *Mechanisms of Disease*, *Health Matters*, *Diagnostic Study*, *FYI*, *Sport and Fitness*, and *Career Choices*. Learning features include outlines, key terms, and study hints at the start of each chapter. Chapter summaries, review questions, and critical thinking questions help you consolidate learning after reading each chapter. *Quick Check* questions in each chapter reinforce learning by prompting you to review what you have just read. UNIQUE! Comprehensive glossary includes more terms than in similar textbooks, each with an easy pronunciation guide and simplified translation of word parts — essential features for learning to use scientific and medical terminology! NEW! Updated content reflects more accurately the diverse spectrum of humanity. NEW! Updated chapters include *Homeostasis*, *Central Nervous System*, *Lymphatic System*, *Endocrine Regulation*, *Endocrine Glands*, and *Blood Vessels*. NEW! Additional and updated *Connect It!* articles on the *Evolve* website, called out in the text, help to illustrate, clarify, and apply concepts. NEW! Seven guided 3-D learning modules are included for *Anatomy & Physiology*.

**Kidney Disease and Nephrology Index** Elsevier Health Sciences

This refreshing fourth edition of the established evidence-based textbook by Elaine Atkins, Jill Kerr and Emily Goodlad continues to uphold the Cyriax approach to clinical reasoning, assessment, diagnosis and treatment of musculoskeletal conditions. Renamed *A Practical Approach to Musculoskeletal Medicine*, to reflect globally understood terminology, it focuses on the principles and practice of musculoskeletal medicine, providing practical guidance and tips for clinical practice based on extensive clinical experience and evidence. The book is split into three sections. Section 1 presents the theory underpinning musculoskeletal medicine. The histology and behaviour of the soft tissues follow, with a review of the healing process, to enhance understanding of the effects of injury on the soft tissues. The first section ends with the principles of treatment as applied in musculoskeletal medicine and discusses the techniques of mobilization and injection, aims and application, and indications for use. Section 2 adopts a regional approach. Anatomy is presented, including useful tips on surface marking to locate commonly injured anatomical structures. Assessment, lesions and treatment techniques are discussed for each region as appropriate for the stage in the healing process. Section 3 provides resources to support the recording of assessment and to ensure safety, especially whilst learning the musculoskeletal medicine approach. *A Practical Approach to Musculoskeletal Medicine* comprehensively and critically discusses current literature. It is a complete reference source for students and postgraduate medical practitioners, physiotherapists, osteopaths and other allied health professionals, including occupational therapists and podiatrists. It is essential reading. Review questions and case scenarios at the end of each chapter to revise key principles of the approach Updates on tendinopathy management (including optimal loading), cervical arterial dysfunction, spinal clinical models and manipulation Over 250 new illustrations and photographs *Evolve Resources* containing: New taster video clips demonstrating assessment and treatment techniques *Self-assessment section* Image bank Log on to <http://evolve.elsevier.com/Atkins/msk> *Magill's Medical Guide: Fracture and dislocation - Paralysis* Elsevier Health Sciences

This EBook covers the fine structure of human cells and tissues as seen with the transmission and scanning electron microscope (TEM & SEM). To the author's knowledge there is no book of this kind expressly devoted to human cells and tissues. The book is concise and is primarily intended to help in the teaching of microanatomy to first-year medical and health-science students, paramedical students and first-year science and other university students. It can also be used to teach university entrance students in secondary schools and technical staff in anatomical pathology in hospitals and specifically those involved in stem cell research. There are innumerable texts in light microscopy (LM) of basic histology that are now available for comparison to all and on line, particularly on Google, Wikipedia, PubMed and other search engines. Microanatomy is essentially a visual subject and the author firmly believes that a picture is worth a thousand words. The cell is the fundamental unit of structure in the human body. Cells and their products form the tissues and the various organs and organ systems of the human body. Understanding their structure is not only basic to microanatomy it is also of importance in the study of physiology and pathology and of course, gross anatomy. Now with dawn of stem cell research, it can be used as guide to understand adult and embryonic stem cell microstructure in conjunction with LM and immuno -

fluorescent microscopy (FM). As an innovation to the original atlas we have added, exquisite colour images (SEM) by Prof. Pietro Motta, a world leader in electron microscopy, author and publisher of many atlases aided by his co-workers in La Sapienza, University of Roma, Italy, to appreciate the third dimension in microstructure. Some images of the testis are credited to Professors. David de Kretser & Jeff. Kerr, my colleagues at Monash University. Prof. de Kretser, of course, is one of my role models since he is an electron microscopist, clinician and expert on the testis and male infertility. He was founder Director of the Institute of Reproduction & Development, where I was honorary associate professor. He is also a born Sri Lankan and was Governor of Victoria. To help interpretation of the electron micrographs, the structure of each type of cell and/or tissue is illustrated diagrammatically, and an attempt has been made to relate this to function. Where possible, such interpretative diagrams are printed adjacent to the electron micrographs of that particular type of cell/ tissue. Some of these diagrams were coloured by computer. In addition, brief descriptions of the anatomy of the cells/tissues and legends that describe the electron micrograph

are included. Each section will briefly introduce the reader to the type of cell, tissue or organ that is being illustrated. Since there are many advanced atlases and textbooks on the fine structure of cells and tissues, the present publication is intended to be a simple reference for the student and researcher. One of the greatest difficulties readers have in the interpretation of cell structure using LM is that they do not see the outlines of cells and for the most part they do not see the internal structure of the cell very clearly. This is because the cell membrane and most of the internal structures are beyond the high resolution of the LM. Electron microscopy, on the other hand, magnifies cell organelles and enhances their resolution, making the interpretation of cell structure more precise and objective. However, there are limitations in the study of ultrastructure since only a very small section of the cell is viewed. Electron microscopy, as we all know, is laborious and very time consuming and has been used widely in biomedical research since 1935. We were the first to study embryonic stem cells by TEM, a logical progression of our extensive research on human gametes, fertilization and embryos in IVF & ART. The reader is advised to study images of cells and tissues in semi- thin epoxy sections (LM). This EBook (atlas) will

be a valuable supplement to the numerous textbooks of histology, especially those with colour LMs of wax and epoxy sections. It covers the ultrastructure of the human cell, the basic tissues of the human body and some of the more important organs of the human body. It is specifically targeted to researchers involved in current stem cell research (both adult and embryonic). Finally, this publication is not intended to be a complete atlas of human cells and tissues since there are several excellent publications for the advanced study of electron microscopy, a few listed in the references.

**The Best Books for Academic Libraries: Science, technology, and agriculture** CRC Press

Accompanying CD-ROM ... "contains 500 histologic specimens and 3 short videos showing cross sectional views."--Page 4 of cover.

**Gray's Anatomy E-Book** John Wiley & Sons

Trauma, Repair and Recovery introduces the science of how the human body responds to trauma. The incidence of traumatic injury at a global level is considered, before using case studies to illustrate the nature of damage and repair and its impact on the people affected.