THIRTEENTH EDITION

Grant's DISSECTOR

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Grant's DISSECTOR

PATRICK W. TANK
Director, Division of Anatomical Education
Department of Neurobiology and Developmental Sciences
University of Arkansas for Medical Sciences
Little Rock, Arkansas

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PREFACE

The first edition of *Grant's Dissector* appeared in 1940. Its 12 previous editions have been used by countless health professionals for over 60 years. During those years, the time devoted to the study of gross anatomy has diminished dramatically, and the 13th edition of *Grant's Dissector* has been modified with that in mind.

A refocusing of content

Grant's Dissector was originally designed as an instruction manual for dissection by the regional approach. The 13th edition continues in this approach but has been rewritten to make the dissection instructions concise and minimize extraneous material. This refocusing is intended to make the scope and detail of the dissector more appropriate to today's gross anatomy curriculum. The student is encouraged to rely upon *Grant's Dissector* for dissection instructions and to use a textbook such as *Clinically Oriented Anatomy* and a quality atlas such as *Grant's Atlas* to provide anatomical details.

Changes to dissection order

In addition to the refocusing of the dissector's content, the order of dissection has been modified in the 13th edition. The first chapter covers the dissection of the back, followed by the upper limb, thorax, abdomen, pelvis and perineum, lower limb, and head and neck. This change in dissection order was made to accommodate courses that begin by dissecting the back for traditional reasons: The dissection experience is less emotionally traumatic for students if they begin with the body in the prone position. However, the chapters are written so that the dissection units can be used in any order that fits the needs of the individual course.

New chapter organization and other key features

Each chapter in the 13th edition is consistently organized with several new features. First, each chapter begins with a brief study of **surface anatomy**. Then, **osteology** is presented in a concise way to provide the student with important foundation structures that will aid in localization of soft tissue structures. Each dissection unit begins with a brief overview, called "**Before you dissect...,**" of what is to be accomplished during the dissection session. The **dissection instructions** are then presented in numbered sequence so that the dissector can perform a step, then return quickly to the appropriate place on the page to get the next dissection instruction. Lastly, each dissection concludes with a series of review exercises, called "**After you dissect...,**" that highlight the important features of the dissection and encourage the synthesis of information. These modifications are intended to improve student learning and ease of use.

Many new illustrations appear in the 13th edition of Grant's Dissector. A number of these illustrations are designed to show the dissection at various stages of completion. The illustrations are not intended to take the place of atlas figures. The dissection instructions contain references to appropriate illustrations in the four leading anatomical atlases:

- *Grant's Atlas of Anatomy*, 11th edition, by Anne Agur and Ming Lee
- *Atlas of Human Anatomy*, 3rd edition, by Frank H. Netter and John T. Hansen (Consulting Editor)
- *Anatomy: A Regional Atlas of the Human Body*, 4th edition, by Carmine Clemente
- *Color Atlas of Anatomy: A Photographic Study of the Human Body*, 5th edition, by Johannes W. Rohen, Chihiro Yokochi, and Lutjen-Drecoll

Anatomical terminology has been undergoing revision for many years. The terminology used in the 13th edition of *Grant's Dissector* agrees with *Terminologia Anatomica*. This modification brings the manual into alignment with recent editions of textbooks and atlases, thereby reducing one source of confusion for students of gross anatomy.

The changes described above are intended to increase the adaptability of *Grant's Dissector* to a variety of dissection needs. Since the chapters are written to stand alone, the dissection sequence can be modified or regional units may be eliminated with a minimum amount of effort. This increase in flexibility is intended to make *Grant's Dissector* the obvious choice to support comprehensive dissection in a changing curricular environment.

ACKNOWLEDGMENTS

Grant's Dissector has enjoyed many years of success. This is due to excellent writing by Dr. J.C.B. Grant and the masterful way in which Dr. Eberhardt K. Sauerland has edited the most recent 6 editions. It is indeed a daunting task to undertake the editor's role for such a significant work, and I thank Dr. Sauerland for permitting me the privilege.

Students are the reason that a teacher exists and I cannot adequately express their impact on me. For over 25 years, I have had the pleasure of working in the lecture hall and dissection laboratory with literally thousands of very talented students. Nearly every day I find myself learning something new about anatomy and about adult learning processes. To my students of the past I express my gratitude for what they have taught me - lessons that have resulted in the modifications that appear in the 13th edition of *Grant's Dissector*. More specifically, I owe a debt of gratitude to the following members of the class of 2007 who took time from their studies to review portions of the manuscript and provide helpful criticism: James Blachly, Andrew Coble, Rani Haley, Thad Hardin, James Ireland, Patrick Kennedy, Leslye McClelland, Joel McLarry, Catherine Oswald, Ray Peeples, Robin Reed, Kirk Reynolds, Aubrey Slaughter and Tony Terry. A special thanks to Deborah Lieber whose editorial skills are second to none and who gave freely of her time to review large portions of the manuscript.

It is not possible to complete a work of this nature without involving one's colleagues. I would like to acknowledge several individuals with whom I teach gross anatomy, for each is a master of anatomical education in his own right. Thanks to David Davies and Bruce Newton for reviewing selected chapters of the manuscript. Kevin Phelan deserves special recognition for his review of the entire manuscript. Their critical focus and attention to detail was exactly what was needed to make this a better dissection manual, and I thank them for their contributions.

It has been a pleasure to work with the professionals that constitute the Lippincott, Williams & Wilkins team. I want to thank Betty Sun, Executive Editor, for her willingness to iron out the details and give a new author a chance. I gratefully acknowledge the talents of Amy Oravec, Managing Editor, and Kathleen Scogna, Senior Developmental Editor, who kept the project on track. Thanks also to Wayne Hubbel, Illustration Coordinator, and Joe Schott, Marketing Manager. The artwork has undergone major revision. To place a magnifying glass on their enormous artistic talents, I would like to thank Rob Duckwall of Dragonfly Media Group, Mary Anna Barrett-Dimes, and Wayne Hubbel.

Last but most importantly, I want to thank my wife, Suzanne. She never complained as I poured myself into this project over many months at the exclusion of everything else, and she always revived me with kind words of encouragement when fatigue had sent my spirits flagging. She deserves as much credit for the completion of this project as I do.

Patrick W. Tank

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