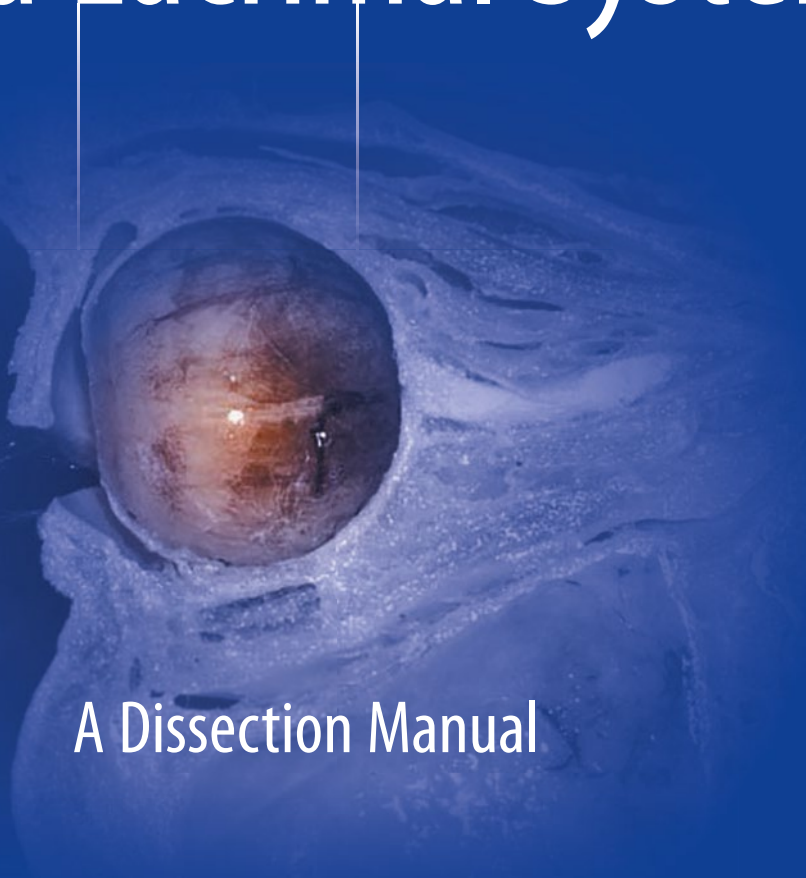


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Anatomy of the Eyelid, Orbit, and Lacrimal System



A Dissection Manual

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Editors

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ISBN 978-3-030-88264-8 ISBN 978-3-030-88265-5 (eBook)
<https://doi.org/10.1007/978-3-030-88265-5>

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I owe an unimaginable amount of gratitude to my best friend and wife, Dulcie, for her never-ending support and encouragement for this work and throughout my career. All of my children, Allison, Garret, Robert, and Ryan, and their spouses, Jon, Katie, Ashley, and Lisa, are more than deserving of considerable praise and thanks for their patience, understanding, and continued support over the years. The final portion of this dedication is to our seven grandchildren, Jack, Sofia, Lizzie, Ella, Bryson, Joie, and Matthew, as well as to my present and former students who have made this educational experience remarkably fulfilling.

Richard R. Schmidt, PhD

To my wife Iryna and daughter Olesya for their ever-present love and support.

To my extended family at Wills Eye Hospital and Temple Ophthalmology Department, for their dedication to excellence in patient care, resident education, and research.

Edward H. Bedrossian, Jr, MD, FACS

I wish to express gratitude to my ever-supportive wife Gale and loving family, and I thank Richard K Dortzbach, MD and Orkan George Stasior, MD for sharing with me their passion for the anatomy.

Bradley N. Lemke, MD, FACS

Preface

A strong foundation in anatomy is the basis for excellence in surgery. There are many outstanding textbooks on anatomy of the eyelids, orbit, and lacrimal System. This textbook, however, is different in that it presents a step-by-step dissection in a layered approach, simplifying the overwhelmingly complex anatomy.

Not all structures will be clearly evident in all specimens. Therefore, sharing of well dissected structures with others is encouraged. The dissection is best performed slowly and carefully to limit accidental damage to underlying structures. A basic knowledge of the anatomy prior to the dissection will enhance the experience and allow for a better three-dimensional appreciation.

The manual consists of seven chapters. To maximize the use of each specimen, it is recommended to follow the chapters sequentially. Chapter 1 describes how the specimens are prepared and stored. Chapter 2 describes dissection of the eyelids. Chapter 3 describes dissection of the anterior orbit, posterior to the orbital septum. Chapter 4 demonstrates the cavernous sinus. Chapters 5 and 6 describe the dissection of the orbit from above and from a lateral approach, respectively. Finally, Chapter 7 demonstrates the nasolacrimal system and paranasal sinuses.

This “dissection manual” has been in the making since 1983, when Edward H. Bedrossian Jr., finished his ophthalmic plastic and reconstructive surgery fellowship with Bryon Smith, John Simonton, and Robert Della Rocca. As a fellow, he met Dr Bradley Lemke where a respected friendship developed over a common interest in orbital and facial anatomy. With a strong foundation in three-dimensional anatomy, Dr Bedrossian joined the Oculoplastic and Reconstructive Surgery Department at Wills Eye Hospital. In 1984, he became the director of the Annual Wills Eye Hospital Resident Orbital Dissection Course. He met Richard R. Schmidt, then Associate Professor of Anatomy, Pathology, and Cell Biology at Thomas Jefferson University College of Medicine. Over the next 38 years, without interruption, the two developed and refined an instructional course that is regarded by residents at Wills Eye Hospital as one of the most important courses of their residency. It expanded to include ophthalmology residents at Temple University and Philadelphia College of Osteopathic Medicine. Over 700 residents and oculofacial plastic fellows have benefited from the course, which follows the step-by-step approach outlined in this manual.

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Acknowledgments



An atlas of this nature is the result of the persistent efforts of many. We are grateful to Dr. Robert Della Rocca for his inspiration, example, and support throughout the process. Unfortunately, he passed away shortly before the text was published and did not see the final version. Below is a memorial tribute to him co-written by his dedicated and loving wife, Darlene and son, David. We appreciate Bradley N. Lemke for his consultative contribution and expertise. We thank our colleagues at Wills Eye Hospital who have assisted with lectures and teaching at the dissections. We appreciate the assistance of Philip (Chris) Marcucci, the Dissection Facility Coordinator at Sidney Kimmel Medical College of Thomas Jefferson University, for his help in procurement and preparation of specimens under Dr. Schmidt's supervision.

The authors wish to thank Alessandra Intili, who as a third-year ophthalmology resident dedicated countless hours in the laboratory performing the dissections and photographing various steps. We are equally appreciative of Mr. Jack Scully, in the photography department at Wills Eye Hospital.

The authors are indebted to the professionals at Springer, especially Asja Rehse (Editor, Clinical Medicine) and Lee Klein (Senior Editor, Atlases), for their enthusiasm in bringing this atlas to completion.