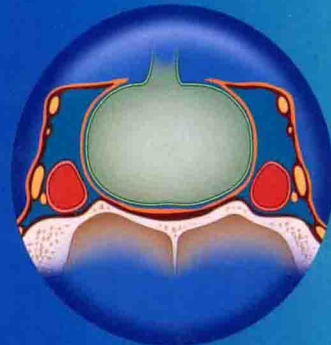
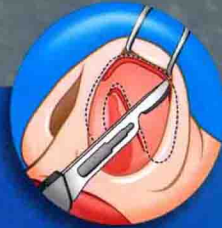
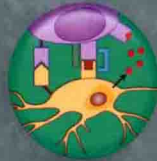


Rhinology and Skull Base Surgery

From the Lab to the Operating Room: An Evidence-based Approach

Christos Georgalas
Wytske Fokkens



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Rhinology and Skull Base Surgery

From the Lab to the Operating Room: An Evidence-based Approach

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To my parents, Eleni and Kostas, to whom I owe everything.
To my wife, Amanda, for embarking with me on this journey.
To those who cross borders, by choice or need: our collective past, present, and future.

Christos Georgalas

To my beloved parents, Onno and Joke, who taught me, among many other things, to enjoy questioning and exploring; and my teacher Carel Verwoerd who taught me a lot more than rhinology.
To the loves of my life, my husband Casper and my three children Sybren, Anne, and Lywke,
who lovingly and courageously try to keep me in line.

Wyske Fokkens

Foreword

Over the last 20 years there have been a number of books broadly covering the many facets of the nose and sinuses. However, such is the interest in this area and the pace of progress in its investigation and treatment that this major work is a welcome addition to the field. Underpinned by the wide-ranging expertise of Professor Wytske Fokkens and Christos Georgalas at the Academic Medical Center, this multinational collaboration covers the full range of rhinology, from basic anatomy and physiology, through diagnostic techniques, to the entirety of sinonasal pathology. The international authorship guarantees a balanced approach and includes many well-known contributors in the field as well as some “new blood” providing a fresh view on old problems.

As well as the usual topics, consideration is given to some less well-understood but expanding areas of interest in the nose and sinuses, such as genetics and rare

disorders such as the silent sinus syndrome and pneumosinus dilatans. The concept of “one airway” is now generally accepted, but the importance of this in understanding the pathophysiology and management of rhinosinusitis is emphasized by authors able to authoritatively consider both the upper and lower respiratory tract. Despite this, we often struggle to improve the lot of our patients with recalcitrant CRS and welcome practical advice offered on the management of these patients.

Rhinology, of course, is a multifaceted subject and, in addition to the full range of sinonasal pathology, the editors have commendably included rhinoplasty and all of the well-established, extended applications of endoscopic surgery to adjacent structures of the orbit and skull base. This comprehensive and holistic approach is to be applauded, making this a “must have” text for anyone interested in the nose and sinuses.

*Valerie J. Lund, CBE
Professor of Rhinology, University College London*

Preface

*"...When you set sail for Ithaca,
wish for the road to be long,
full of adventures, full of knowledge..."*

Constantin P. Cavafy
"The Road to Ithaca," *Collected Poems*

It is fair to say that, if the fifties and sixties were the decades of otology and the seventies and eighties those of head and neck surgery, the last 20 years have witnessed an unprecedented boom in rhinology. Advances in basic science leading to better understanding of disease pathophysiology, improved phenotyping, advances in endoscopic sinonasal and skull base surgery, and an increasingly multidisciplinary outlook have all brought a (r)evolution in rhinology. Today, the nose is aptly regarded as an anatomic and physiologic interface that mirrors our professional interfacing with neurosurgeons and neurologists, allergists and chest physicians, ophthalmologists and orbital surgeons. This book aims to reflect this by presenting all the facets of this dynamic subspecialty.

We believe that any real progress in medicine, or rhinology for that matter, can only be the result of creative integration of basic science and clinical medicine. With this in mind, we have brought together some of the brightest clinicians and researchers of our generation. We are humbled by the enthusiasm of our contributors; indeed, they testify to the dynamic and extrovert outlook of current rhinology. Over 90 world-class experts, presenting the most up-to-date and authoritative information from 17 countries and 4 continents. The writing of this book started in 2010 and continued throughout

2012, resulting in chapters that are current and up-to-date, with both the European Position Paper on the Endoscopic Management of Tumors of the Nose, Paranasal Sinuses and the Skull Base from 2010 as well as the European Position Paper on Rhinosinusitis and Nasal Polyps from 2012 given consideration. It is intended as a study and reference book for young and experienced rhinologists alike, with questions and answers, key points, tips and tricks, and notes included in every chapter. The DVD included, with almost 80 videos, constitutes an integral part of the textbook, illustrating the pathology described in various chapters, demonstrating surgical approaches step-by-step, as well as providing a wealth of other material including data files for use in statistical exercises and three-dimensional imaging reconstructions.

Nevertheless, in a rapidly changing world, every textbook should come with a health warning: "Consume with moderation, for 50% of what you know to be correct today in medicine may be proven to be untrue tomorrow." Although all the information we provide is accepted to be correct and accurate at the time of writing, we do not claim to provide eternal certainties.

If this textbook makes you search the internet, debate with colleagues, and even email the authors, then we have succeeded. Do not accept anything written in here at face value—"nullis in verba"—challenge authority, or as Socrates already taught us:

"True wisdom comes to each of us when we realize how little we understand about life, ourselves, and the world around us."

(Socrates, 469–399 BC)

Wyske Fokkens, MD, PhD
Christos Georgalas, PhD, DLO, FRCS (ORL-HNS)

Acknowledgments

Although it is not possible to list all the great individuals who contributed to this book, we would like to express our sincere gratitude to everybody involved in the creation of this work.

Special recognition goes to the contributors, as we sincerely appreciate the time, expertise, and dedication you gave to this book. We hope you are as proud as we are of the final result.

We thank Mr. Stephan Konnry and his team for believing in and supporting this project from the very

beginning, for always guiding and being open for discussion, and for their unique and valuable dedication—this book would have been impossible without them.

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