
Maxillary Sinus: A Comprehensive Guide

Goran Latif Omer • Stefano Di Girolamo
Editors

Maxillary Sinus: A Comprehensive Guide

Anatomy, Pathologies, and Therapeutic
Approaches

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In dedication to my wife, Dr. Sawen, my children, Yani, Dani, and Bani, and my mother and father who gave me strength and the will to always do better. I want to thank them for their perseverance, support, and love.

This book is also dedicated to Prof. Stefano Di Girolamo, Dr. Nzar Sayda Fatah, Dr. Yousif Chalabi, and Dr. Süreyya Şeneldir for their trust in my abilities and whose words of encouragement and push of tenacity ring in my ears.

Preface

The maxillary sinus, being the largest of the paranasal sinuses, is a complex hollow space with many pathologies affecting it. Since the development of functional endoscopic sinus surgery, surgeons all over the world continue to discover new and efficient techniques to tackle pathologies in this intricate space. However, due to the many different approaches and ideals, the literature lacks a single resource where most ideas are gathered and summarized, so that newer generations have a better and more efficient understanding of what the sinus is, its pathologies, and a comprehensive guide toward managing them.

The authors of this book have tried to dig deep into the sea of knowledge the literature has about the maxillary sinus and to equip this book with the necessary information regarding most, if not all, of the sinus's sophistication, from the basic scientific knowledge regarding its anatomy and physiology to the more compound and innovative procedures that are done for the rarest of pathologies. To all of these authors, I want to present my deepest gratitude and appreciation, together we made this idea a reality. Finally, I would like to thank my students, Sahand and Aland, and my work coordinator, Hawnaz Anwar (RN), for their help, keeping up with my work, and always making sure we are on schedule.

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Competing Interest There was no competing interest to declare.

Ethics Approval This was not a primary study. Also, only one patient is identifiable from the figures, from whom consent was obtained and a participation form was signed.

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About the Editors

Goran Latif Omer is an otorhinolaryngologist and skull base surgeon affiliated with the University of Sulaimani in Iraq and the University of Rome Tor Vergata in Italy. He has received double board certification in his field, as well as additional fellowships in anterior skull base surgery, lateral skull base surgery, and rhinoplasty. Additionally, Dr. Goran holds a PhD degree in Rhinology and Skull Base Surgery.

He has directed many research projects throughout his career, thus making many contributions to the medical community at large, and his inventive spirit has led to the development of new techniques in functional endoscopic sinus surgery, 360° skull base surgery, middle ear surgery, and rhinoplasty, thus participating in the advancement of standards of care in these areas.

Stefano Di Girolamo is a highly accomplished professional in the field of Otorhinolaryngology and Audiology. He graduated with top honors from the University of Rome “La Sapienza” in 1991 and earned his specialization in Otorhinolaryngology from the University of Siena in 1995. Additionally, he obtained a diploma in Audiology from the University of Rome “La Sapienza” in 2001. Prof. Stefano Di Girolamo has held various prestigious academic positions, including Associate Professor and later promoted to Full Professor at the University of Rome “Tor Vergata.” He currently serves as the Head of the Otorhinolaryngology Unit at the University Hospital “Policlinico Universitario Tor Vergata.” With an exceptional commitment to education, Prof. Stefano Di Girolamo also serves as the Director of the Specialization School in Otorhinolaryngology and Cervico-Facial Surgery at the same university. His expertise and dedication have made a significant impact on the medical community, both through his academic contributions and his leadership in clinical practice.

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