For Postgraduate Students and ENT Practitioners

Endoscopic Surgery of Nose and Paranasal Sinuses and Related Topics

is written in a concise atlas form encompassing most of the topics in the field of endoscopic surgery of nose and paranasal sinuses and related areas. This edition has 25 chapters consisting of basic sciences related to the field including surgical anatomy, applied physiology, anatomical abnormalities and pathophysiology, endoscopic diagnosis and indications, instruments, disinfection and sterilization, anesthesia, techniques of functional endoscopic sinus surgery, including minimal invasive technique and balloon assisted sinuplasty. It also covers advanced topics like endoscopic management of nasopharyngeal cancer, CSF rhinorrhea, endoscopic pituitary surgery, oral procedures, endoscopic medial maxillectomy and anterior skull base surgery, endoscopic DCR, endonasal approach to orbit, nasopharyngeal angiofibroma and rhinoplasty.

Topics like management of nasal allergy have been discussed in detail as is commonly encountered by the endoscopic surgeon. The manual has chapters written by six international and 34 national contributors. The manual also has video link to endoscopic pituitary surgery by Prof N Prepageran and modified Lothrop by Prof DR Nayak.

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ISBN: 978-93-90709-57-1

Free Access to Videos on Pituitary Surgery and Endoscopic Lothrop Procedure
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Over the last two decades, endoscopic sinus surgery has received increasing interest from the otorhinolaryngologists, ophthalmologists as well as neurosurgeons across the globe. This has also led to a significant surge in the literature search on this topic. The book titled *Endoscopic Surgery of the Nose and Paranasal Sinuses and Related Topics* by Dr Dipak Ranjan Nayak provides a comprehensive reference starting from the anatomy and basic steps of endoscopic sinus surgery to the most advanced techniques of pituitary surgery. The list of contributors is impressive with excellent expertise in their respective fields. The text is wide ranging and covers all the aspects needed for mastering the art of endoscopic sinus surgery. This book would be a useful addition to the armamentarium of any surgeon interested in endoscopic sinus surgery. This book is a valuable contribution to the literature. Wish you all an enjoyable reading.

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Functional endoscopic sinus surgery is now a well-established technique for the management of chronic rhinosinusitis, initially described by late Prof W Messerklinger (Austria) in 1978 and later popularized by late Prof H Stammberger (Austria) and Prof D Kennedy (USA). There has been tremendous expansion in the field of endoscopic surgery of the nose, paranasal sinuses and skull base with application in the field of neurosurgery and head and neck oncology since then. Invasive fungal sinusitis has become a new challenge, especially with Covid-19 associated mucormycosis. At present, there are very few books/manuals to cater to the needs of the postgraduate students in this field. There are many books which are too advanced for a postgraduate trainee in India and are also expensive. Looking at the current status, we decided to come out with the concept of having a concise manual encompassing most of the topics in this field entitled *Endoscopic Surgery of Nose and Paranasal Sinuses and Related Topics*. This edition consists of 25 chapters including basic sciences related to the field of anatomy, physiology, anatomical abnormalities, pathophysiology, endoscopic diagnosis and indications, instruments, disinfection and sterilization, anesthesia, technique of functional endoscopic sinus surgery including minimal invasive technique and advanced, balloon sinuplasty, endoscopic management of nasopharyngeal cancer, CSF rhinorrhea, endoscopic pituitary surgery, draf procedures, endoscopic medial maxillectomy and anterior skull base surgery, endonasal approach to orbit. A lot of stress have been given on in depth anatomy and development, applied physiology of nose and paranasal sinuses including mucociliary clearance and pathophysiology in a concise manner for better understanding of the reader. The book also covers other related topics on nasal allergy, DCR, allergic fungal sinusitis and rhinoplasty, etc. and a comprehensive chapter on nasopharyngeal angiofibroma. The book has been formatted with a scope for further improvement with future expansion in knowledge and advancing technology. There are eminent international contributors from Malaysia. The chapter “Endoscopic pituitary surgery” is written by Dr Govindraju, Dr Tang, Prof Waran and Prof Prepageran. Chapter on “Endoscopic management of nasopharyngeal cancer” is written by Prof Sahota and Dr Arun Kumar. Prof R Balakrishnan has written the chapter “Endoscopic endonasal approach to the orbit” and Dr Venkataram and Dr Deeksha Rao have written the chapter “Basics of rhinoplasty” as the main national contributors besides others. Surgical videos on *pituitary surgery* by Prof Prepageran and *endoscopic lothrop procedure* by Prof Nayak have been provided with link. The Foreword to the book has been written by one of the most dynamic endoscopic sinus, skull base and head and neck surgeons of India Adj Prof Dr Satish Kumar Jain.

Dipak Ranjan Nayak
Acknowledgements

This book would not have been completed without the blessings of our great teachers and the mentors. We would like to thank all our great teachers and mentors including Prof MC Sahoo, Late Prof G Behera (Cuttack), and Prof P Hazarika, Prof PSN Murthy and Late Prof Rajamma Rajan (Manipal), who have given us the foundation to grow and develop our skill and knowledge.

We are grateful to our founder beloved President of MAHE, Dr Ram Das M Pai, Pro-Chancellor, Prof HS Ballal, Vice-Chancellor, Lt Gen Prof MD Venkatesh, Dean of KMC, Manipal, Prof Sarath Rao, Head, Department of Otorhinolaryngology–Head and Neck Surgery, Prof Kailesh Pujary, who kindly permitted us to carry on the work on this book in this institution lacking which, we fear, it would not have been possible to bring this work to light.

We deeply appreciate Adj Prof Dr Satish Kumar Jain, Senior Consultant, ENT–Head and Neck Cancer and Skull Base Surgeon, Jain ENT Hospital Jaipur, for writing the Foreword to this book. He has tremendous contribution in inspiring many young ENT enthusiasts to take up interest in endoscopic surgery of nose, paranasal sinuses and skull base through his mesmerizing surgical skills.

We are grateful to all our guest editors Prof Prepageran Narayanan, Prof P Hazarika, Prof PSN Murthy, and Prof Kailesh Pujary for their valuable contributions in editorial assistance.

We are extremely thankful to all our authors from Malaysia, especially Prof Prepageran, a renowned otolaryngologist and skull base surgeon, for agreeing to be one of the guest editors and taking an active part in initiating and completing the chapter on “Pituitary surgery” along with his colleagues, Dr Revadi Govindaraju, Dr Tang Ing Ping and Prof Vicknes Waran. Dr Revadi has been very kind enough in helping and completing this chapter as a key author, through timely communication and answering to all the queries. Prof Jaspal Singh Sahota and Dr Arun Kumar are the alumni of KMC, Manipal, and have contributed to the chapter on “The role of nasal endoscopy in the management of nasopharyngeal cancer”. We thank all of them for their contribution. We are thankful to all our Indian authors and co-authors including Dr. Aniketh Venkataram and Dr Deeksha Rao for chapter “Basics of rhinoplasty”. Dr Deeksha has taken a keen interest in allergic rhinitis and her contribution is key to that chapter. We are also thankful to all our co-authors for various chapters including Prof P Hazarika, Prof PSN Murthy, Prof K Pujary, Prof LC Prasanna, Prof K Samantaryay, Prof S Guruprasad, Prof Pillai, Prof RN Biswal, Prof Behera, Prof KC Mallick, Dr Deepak Nayak (Pathology), Dr Bhandarkar, Dr Prakash Babu, Dr Deepak Murty, Dr Devaraja, Dr CS Ray, Dr Shetty, Dr Sharma, Dr Mathew, Dr Nair, Dr Reddy, Dr Dorà, Dr Periaswamy, Dr S Nayak, Dr Menon, Dr Karanth, Dr Rao, Dr Krishnamurty, and Dr Ravindra. All the contributors deserve applause for whatever contribution they have made, whether it is big or small, without which it would not have been possible to finish this stupendous task on time.

We thank all our faculties for their contribution and constructive criticism. A lot of people have helped in various ways while preparing the manuscript. They are our past and present postgraduate students. We thank Dr Nishanth, Dr Nikhil, Dr Abhinay, Dr Prashant, Dr Pooja, Dr Reshmi, Dr Nithu, Dr Jalwa, Dr Aditi, Dr Ishan Sardesai, Dr Faria, Dr Tejashwi, Dr Vidhi,
Dr Shyam, Dr Mihika, Dr Aiswarya, Dr Majitha, Dr Akshaya K, Dr Akshay P, Dr Jigisha for their timely help.

Special thanks to Dr Swetapadma Nayak for doing a tireless proofreading and also contributing to key illustrations.

We would be failing in our duty if we do not appreciate the contributions of our parents. Special thanks to our spouse and children for their help and guidance. We sincerely thank Mr Bhaskar, Mr Sudhakar, for their assistance in operating room, Mrs Latha for secretarial assistance, Mr Sitharam, Mrs Mangala, Mr Shreekant our OPD technicians, Mrs Baby, OPD sister, Mrs Usha our OT sister and all other non-teaching staff of the department for their kind help.

Finally we would like to thank all our patients, those who have undergone endoscopic surgery of the nose and paranasal sinuses. Without their participation, this book would not have been possible.

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