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Endoscopic Lateral Skull Base Surgery **Atlas of Endoscopic Sinus and Skull Base Surgery**
Endoscopic Endonasal Skull Base Surgery, An Issue of Neurosurgery Clinics of North America
Endoscopic Skull Base Surgery
Endoscopic Approaches to

the Skull Base Transnasal Endoscopic Skull Base and Brain Surgery Endoscopic Transnasal Anatomy of the Skull Base and Adjacent Areas Rhinology and Endoscopic Skull Base Surgery **Minimal Access Skull Base Surgery**
Manual of Endoscopic Sinus and Skull Base Surgery
Endonasal Endoscopic Surgery of Skull Base Tumors: An Interdisciplinary Approach
Endonasal Endoscopic Surgery of Skull Base Tumors: An

Interdisciplinary Approach
Pediatric Endoscopic Endonasal Skull Base Surgery Endoscopic Surgery of the Paranasal Sinuses and Anterior Skull Base Endoscopic Cranial Base and Pituitary Surgery, An Issue of Otolaryngologic Clinics of North America, Techniques and Key Points for Endoscopic Cranial Base Reconstruction
Endoscopic Sinonasal Dissection Guide **Step-By-Step Approach to Endoscopic**

Cadaveric Dissection, Ed 1
Micro-endoscopic Surgery of
the Paranasal Sinuses and
the Skull Base Techniques
and Key Points for Endoscopic
Cranial Base Reconstruction
Endoscopic and Keyhole
Cranial Base Surgery Atlas of
Endoscopic Sinus and Skull
Base Surgery **Pediatric**
Endonasal Endoscopic Skull
Base Surgery Midline Skull
Base Surgery Rhinology and
Skull Base Surgery
Endoscopic Approaches to
the Paranasal Sinuses and
Skull Base Manual of
Endoscopic Sinus Surgery *Atlas*
of Endoscopic Sinus and Skull
Base Surgery E-Book
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Pituitary Approaches

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Pediatric Endoscopic
Endonasal Skull Base
Surgery Endoscopic
Endonasal Transsphenoidal
Surgery *Endoscopic Lateral*
Skull Base Surgery **Handbook**
of Skull Base Surgery
Endoscopic Skull Base Surgery
in the Pediatric Patient
Endoscopic Pituitary and
Skull Base Surgery

superb multimedia resource
provides clinical insights on
endoscopic sinonasal dissection
techniques this remarkable
manual encompasses the
author's 30 years of experience
and unique perspectives

teaching endoscopic sinonasal
surgery to residents and
fellows it also reflects a wealth
of surgical pearls from
rhinology and endoscopic skull
base surgery experts on how to
safely navigate through the
nose sinuses orbit and skull
base following a stepwise
approach designed to mirror a
resident's progression in the
cadaver lab this user friendly
manual includes the most
pertinent information on
instrumentation
anteroposterior approaches
and postero anterior
approaches starting with the
philosophy and history of sinus
surgery the reader is
introduced to basic anatomical
and surgical concepts

progressing to complete sphenoidectomy and frontal sinusotomy subsequent chapters delineate advanced dissection techniques including dacryocystorhinostomy orbital decompression anterior skull base resection infratemporal fossa approach nasopharyngectomy and skull base repair techniques utilizing grafts and local regional flaps complementary external approaches to the frontal and maxillary sinuses are also illustrated key features videos available online exquisitely detailed full color diagrams sequentially illustrate the appearance of the surgical cavity before and after resection reinforcing the

stepwise progression key concepts expertly elucidated through extensive illustrations endoscopic views and ct mri scans easy to follow anatomical landmarks pinpoint safe surgical sinus entry zones respective of paranasal sinuses and mucociliary pathways minimally invasive approaches to restore sinus ventilation and normal nasal functioning as well as orbital and skull base procedures and approaches described in depth this visually rich manual is ideal for residents in otolaryngology head and neck surgery as well as rhinology and endoscopic skull base fellows it will also benefit otolaryngologists ophthalmologists and

neurosurgeons who wish to brush up on specific endoscopic dissection techniques relative to their individual practice needs by focusing on how to establish clear indications for surgery and how to improve surgical approaches in endoscopic paranasal sinus surgery this practical operating manual appeals to the beginner as well as to the practicing surgeon techniques covered range from simple procedures to the most advanced applications including tumor and trauma surgery and procedures involving the anterior skull base based on their clinical and considerable teaching experience the authors have

chosen an approach that responds directly to patients concerns and which is set within a simple framework based on the questions of who when why and how who offers guidelines on patient selection and dealing with patients expectations when discusses optimizing the diagnosis and medical management as well as the timing of surgery why evaluates realistic surgical goals with regard to patients symptoms and their quality of life how describes surgical techniques step by step explains terminology discusses surgical modifications and alternatives and offers guidelines for the management of complications nearly 1 000

illustrations of exceptional quality and a 3 hour dvd of surgical procedures and interviews with patients supplement the step by step instructions and practical tips in the text a new edition with up to date coverage of the most important concepts in endoscopic sinus surgery returning in an up to date second edition this book offers expanded coverage of the most important concepts in endoscopic sinus surgery with new insights into the anatomy of the paranasal sinuses this text covers the basic concepts of intranasal surgery of the paranasal sinuses endoscopic anatomy preoperative and postoperative diagnosis

instrumentation anesthesia and patient positioning it describes standard and advanced surgical techniques for the nasal cavity the maxillary antrum the ethmoid frontal and sphenoid sinuses and the anterior base of the skull highlights of the second edition new chapters on managing complications of rhinosinusitis trauma malformation and neoplasms new section on transcranial exposure of the anterior skull and paranasal cavities detailed presentation of endoscopic and microscopic approaches extensive discussion of reasons for failed surgery and the principles of revision surgery more than 580 illustrations and new schematic

drawings including images that place special emphasis on anatomical landmarks to help orient the surgeon this book is a must have reference for ENT surgeons and otolaryngologists seeking to enhance the versatility tips and pearls on the latest developments on endoscopic approaches to skull base and brain surgery from experts around the globe ideal for both otolaryngologist head and neck surgeons and neurosurgeons transnasal endoscopic skull base and brain surgery tips and pearls gathered together in one comprehensive volume invaluable advice from world renowned authorities on state of the art endoscopic

technologies and techniques each succinct chapter begins with a summary of key takeaway points and features an easily accessible outline format after uniquely detailed coverage of macroscopic and endoscopic anatomy the expert authors discuss the most up to date surgical approaches integrated with key information on technologic advances such as 3d reconstruction and navigation clearly labeled illustrations demonstrate each step of the various procedures the book closes with practical guidance on postoperative care and guidelines for avoiding and managing the potential complications encountered in these complex surgeries

features in depth information on endoscopic surgical procedures for the paranasal sinuses anterior skull base and the craniocervical junction easy to reference bullet points in each chapter distill the renowned authors vast experience step by step surgical descriptions cover the full spectrum of skull base pathology stunningly detailed illustrations including more than 500 in full color enhance the text throughout this landmark work will improve the accuracy and precision of every surgeon and fellow in otolaryngology head and neck surgery and neurosurgery who deals with this delicate anatomic region to date more

than three thousand brain and skull base tumors along with various vascular problems have been treated by using advanced fully endoscopic minimally invasive surgical techniques in this book dr hrayer k shahinian director of the skull base institute compiles these techniques the book is highly specific and amply illustrated the step by step operating room procedures provide a definitive guide to the difficult yet essential art of skull base surgery because the base of the skull has proven to be one of the most challenging regions of the body to access treatment options were once limited for patients with tumors or lesions

in this area however with recent advancements and breakthroughs in treatment patients with skull base tumors now have an array of surgical options that can help them return to leading a normal and active life the endoscopic endonasal approach eea is an innovative surgical technique used to remove brain tumors and lesions some as large as softballs all through the nose become familiar with the key anatomic corridors in the skull base the sinonasal tract and adjacent areas to guide and greatly expand your endoscopic surgical competence highlighting the most recent experience from seven top leaders and innovators in the

field this seminal new work presents detailed topographic anatomy of the skull base and adjacent areas in a way not previously seen before the result is a multidisciplinary atlas merging anatomy otolaryngology neurosurgery and radiology so as to facilitate creation of a mental virtual reconstruction of the complete approach and operative situs the result is a greatly extended range of surgical possibilities into previously uncharted territory using endoscopic technology key features provides the basis for cultivating a firm and confident understanding of the 3d anatomy of this intricately complex region emphasizes the

ability of the endoscopic surgeon to integrate ct and mri findings into the surgical planning process a logical and modular organization of the contents intends to make for easy correlation with the surgical literature brilliant step by step presentation of dissections using cadavers helping readers to fully understand all the anatomical nuances numerous previously unpublished approaches covered here for the first time in a book step by step endoscopic transnasal anatomy of the skull base and adjacent areas is an indispensable resource for fellows and specialists in neurosurgery and ENT surgery wishing to widen

their competence in endoscopic skull base surgery handbook of skull base surgery is a state of the art surgical guide that provides clinicians and surgeons with step by step instructions on how to perform microscopic and endoscopic procedures encompassing the entire skull base this handbook is designed for busy residents and clinicians seeking to hone their surgical skills it presents a multidisciplinary approach to the pathologies diagnosis and management of skull base lesions key features bulleted format with step by step descriptions of procedures accompanied by high quality illustrations of key points succinct summaries of content

enable readers to quickly obtain the information they need includes coverage of relevant basic sciences advanced imaging and adjunctive treatments such as radiosurgery and chemotherapy comprehensive yet conveniently compact this book is a must have reference for residents clinicians nurses and researchers caring for patients with skull base pathologies reviews the role of endoscopic endonasal techniques during the last decade the endoscopic endonasal approach to the skull base has become a very powerful method to add to the array of neurosurgical technologies this volume

provides a broad overview of the role of transnasal approaches in a wide spectrum of skull base diseases it starts with a historical perspective of the evolution from the microscope to the endoscope in endonasal surgery and then explores in depth the principles and techniques of the various methods discussed are topics based on anatomical boundaries pituitary fossa to the suprasellar space to the cavernous sinus clivus and the anterior cranial fossa access to the infratemporal and posterior fossae via both the endoscopic endonasal and the retrosigmoid approaches are reviewed in addition the critical topic of reconstruction following

minimally invasive skull base surgery and finally the learning curve and complications associated with the applications of these new and exciting approaches are discussed this volume will provide the latest knowledge to help neurosurgeons otolaryngologists head and neck surgeons as well as craniofacial surgeons understand the applications and practice of this important technique endoscopic approaches to the paranasal sinuses and skull base with the continuing evolution of endoscopic techniques for surgery of lesions of the paranasal sinuses and skull base and the reduced morbidity

associated with this minimally invasive modality the method has gained widespread use in recent years this work offers a thorough review of all endoscopic approaches for access to the nose and paranasal sinuses and through them to the skull base central to this guide is the emphasis on profound knowledge of the complex anatomy in this area as well as the many vital structures that can be endangered there to this end more than 900 full color images most photographs from cadaver dissections are put to brilliant use key features internationally renowned specialists and pioneers from europe and the united states as

editors and contributors full color photos from fresh cadaver dissections illustrate all steps for each approach specific anatomic landmarks as revealed during each step are detailed providing confidence in spatial orientation correlative ct sections provide crucial additional information risks and potential complications are included as well as methods to reduce them endoscopic approaches to the paranasal sinuses and skull base is intended as an indispensable guide for residents fellows and specialist surgeons in otolaryngology neurosurgery and skull base surgery endoscopic orbital procedures are at the forefront

of today s multidisciplinary patient care and team approach to problem solving endoscopic surgery of the orbit offers state of the art expert guidance on minimally invasive orbit techniques that promise a more streamlined approach to comprehensive patient care improved patient satisfaction and superior outcomes this unique resource reflects the contemporary unparalleled partnership between otolaryngology neurosurgery and ophthalmology that often also includes a cohesive team of clinicians from many other specialties provides expert perspectives from thought leaders in various specialties including otolaryngologists

ophthalmologists neurosurgeons endocrinologists medical and radiation oncologists radiologists and pathologists details the two surgeon multi handed surgical techniques that have revolutionized the management of complex pathologies involving the orbit and skull base covers the full breadth of endoscopic orbital procedures from advanced intraconal tumor removal and intracranial techniques involving the optic nerve and optic chiasm to more routine endoscopic procedures such as orbital decompressions e dcr fracture repair and subperiosteal abscess drainage reviews key topics such as

neuromonitoring in orbital and skull base surgery endoscopic surgery of the intracanal space for tumor resection transorbital neuroendoscopic surgery tones and reconstruction of the orbit includes tips and pearls on safe and effective procedures as well as novel approaches and innovations in the equipment used to perform these popular procedures provides superb visual reinforcement with more than 400 high definition images of anatomy imaging and surgical techniques as well as procedural videos this richly illustrated book offers detailed step by step guidance on surgical approaches and techniques in patients with midline tumors of the skull

base access routes are described from both endoscopic and microscopic standpoints via different approaches in order to provide a 360 degree overview of contemporary midline skull base surgery for each pathology the multiple surgical options and their specific indications are clearly presented with inclusion of neuroradiological images an anatomical dissection study and operative images and videos the book is intended for surgeons who wish to acquire knowledge and experience in skull base surgery employing endoscopic endonasal and microsurgical transcranial techniques it is exceptional in

providing an integrated perspective that encompasses traditional microsurgical approaches and the most recent endoscopic ones with definition of the indications for and limitations of both options this issue on endoscopic cranial base and pituitary surgery is led by experts in the field of otolaryngology and neurosurgery otolaryngologists head and neck surgeons dr raj sindwani and dr troy woodard join with neurosurgeon dr pablo recinos to present a comprehensive clinical approach topics include building an endoscopic skull base program room setup and key equipment igs skull base anatomy corridors intra and

extradural imaging in skull base surgery ct mri ct cisternogram intraop ct sellar lesions pathology principles of endoscopic pituitary surgery reconstruction of skull base defects free graft pedicle tpf alloderm lumbar drain utility role of intrathecal fluorescein hemostasis in skull base surgery control of smaller vessels maneuvers to minimize bleeding warm irrigations hobb up embolization management of ica injury intraop options late complications meningioma esthesioneuroblastoma cordoma sinonasal malignancies of skull base craniopharyngioma endonasal approaches to the craniocervical junction medical

complications of pituitary skull base surgery ie siadh di hypopit post op management of skull base patient postop abx imaging debridements topical irrigations more articles cover surgical procedure surgical complications and surgical anatomy as relevant to the clinical discussion the quintessential guide to endoscopic skull base reconstruction from multidisciplinary experts due to close collaboration between otorhinolaryngologists and neurosurgeons endoscopic endonasal brain surgery has become part of the surgical armamentarium for successful treatment of various cranial base pathologies today it is

considered the gold standard surgical technique for many types of skull base tumors techniques and key points for endoscopic cranial base reconstruction by pioneering otorhinolaryngologist carlos d pinheiro neto and neurosurgeon maria peris celda co editor of thieme s acclaimed rhoton s atlas of head neck and brain encompasses the most important endoscopic cranial base reconstruction techniques performed in the last two decades the book features contributions from an impressive group of additional experts in this field comprised of 26 reader friendly chapters divided into seven sections the book starts with discussion of

general principles of endoscopic cranial base reconstruction sections ii through vi provide step by step descriptions of reconstructive approaches utilizing diverse flaps including nasoseptal intranasal extranasal and free grafts followed by free flaps the final section details management of seven challenging cases that enrich practical clinical experience from free flap reconstruction to recalcitrant cerebrospinal fluid leak key highlights decision making rationales and pearls regarding selection of the most efficacious reconstructive techniques consistently formatted chapters feature a succinct review of anatomical

concepts integral to each procedure detailed descriptions for each surgical step and alternative options high quality and meticulous anatomical dissections performed at the editors anatomy laboratory and beautiful illustrations depict the flow of operations essential to understanding surgical nuances nineteen narrated videos visually demonstrate techniques and consolidate learning this must have comprehensive resource will help skull base surgeons master the latest techniques avoid complications and achieve improved outcomes for their patients this book includes complimentary access to a digital copy on medone

thieme com the one stop guide to microsurgical and endoscopic treatment of skull base lesions from global experts a deep knowledge of regional anatomy improved understanding of pathologies and their behaviors technological advances and multidisciplinary collaboration have led to more effective treatments for once inoperable skull base lesions microsurgical and endoscopic approaches to the skull base anatomy tactics and techniques by renowned skull base neurosurgeons luis a b borba and jean g de oliveira presents a balanced anatomy based perspective on microsurgical and endoscopic approaches to manage these

highly challenging lesions the text leverages the best current scientific literature on this topic and insights from global skull base surgery experts organized into 9 sections and 52 chapters the book starts with discussion of microsurgical and endoscopic instrumentation and neurophysiological monitoring the subsequent sections cover diverse approaches for skull base lesions involving the sphenoid and parasellar orbit anterior fossa cavernous sinus temporal bone and jugular foramen and foramen magnum regions each of these sections starts with an introduction followed by a microsurgical description of the anatomy of

the impacted region key highlights contributions from an impressive group of internationally renowned neurosurgeons and otolaryngologists specializing in skull base pathologies indications preoperative and postoperative concerns nuances pitfalls tactics techniques and references for further reading provide a comprehensive guide to treatment a stepwise description of the approach high quality four color drawings and illustrative cases facilitate acquisition and retention of knowledge high quality figures provide greater visual insights and step by step guidance on how to perform

specific procedures this unique textbook will help residents fellows and practitioners in neurosurgery and otolaryngology make an evidenced based decision on using the most effective microsurgical and or endoscopic approach to achieve the best outcomes in patients with skull base lesions written and edited by experts and pioneers in the field rhinology and endoscopic skull base surgery covers anatomic principles applied physiology medical principles and surgical management of diseases affecting the paranasal sinuses and anterior skull base using evidence based medicine and practical pathways this text

brings together the basic and clinical knowledge relevant to rhinology and endoscopic anterior skull base surgery it is designed to be an accessible and essential text for residents and fellows as well as a key reference for practitioners key features applied anatomy embryology and physiology of the paranasal sinuses and anterior skull base cutting edge technical information and surgical techniques for rhinology and endoscopic anterior skull base surgery advanced concepts important to endoscopic skull base surgery including the treatment of malignancies and extended endoscopic approaches sections dedicated

to comprehensive and multidisciplinary patient care including open skull base surgery principles and radiation therapy strategies this textbook offers a wealth of valuable information that will enhance the practice of otolaryngologists residents and fellows as well as affiliated otolaryngology practitioners the quintessential guide to endoscopic skull base reconstruction from multidisciplinary experts due to close collaboration between otorhinolaryngologists and neurosurgeons endoscopic endonasal brain surgery has become part of the surgical armamentarium for successful treatment of various cranial

base pathologies today it is considered the gold standard surgical technique for many types of skull base tumors techniques and key points for endoscopic cranial base reconstruction by pioneering otorhinolaryngologist carlos d pinheiro neto and neurosurgeon maria peris celda co editor of thieme s acclaimed rhoton s atlas of head neck and brain encompasses the most important endoscopic cranial base reconstruction techniques performed in the last two decades the book features contributions from an impressive group of additional experts in this field comprised of 26 reader friendly chapters divided into seven sections the

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on endonasal endoscopic skull base surgery this book presents a complete step by step guide to endonasal endoscopic skull base surgery written by prominent interdisciplinary specialists and reflecting important recent developments in the field combining the fundamentals of skull base anatomy and pathology with current diagnostic and interventional imaging techniques endonasal endoscopic surgery of skull base tumors provides a solid clinical foundation for anyone working in this challenging and evolving specialty special features state of the art contributions from international experts in

endonasal endoscopic skull base surgery a 360 degree panoramic assessment of skull base pathologies description of basic and advanced endoscopic procedures based on the endonasal corridor system current tumor specific strategies including indications and preoperative work up endoscopic surgical techniques sequel and potential complications postoperative care outcomes and pearls and pitfalls clear and consistent interdisciplinary guidelines for managing the internal carotid artery in skull base surgery allowing the removal of previously inoperable tumors surgical outcomes from two of the leading international skull

base centers one in fulda germany formerly headed by professor draf and one joint program at the university of brescia and university of varese italy complete with 500 full color photographs anatomic illustrations flowcharts and tables endonasal endoscopic surgery of skull base tumors offers a practical management approach and sets a new standard in the field it is invaluable for all otolaryngologists head and neck surgeons neurosurgeons neuroradiologists and pathologists who routinely make diagnostic and therapeutic decisions with regard to skull base lesions it is also an essential text and

reference for those who are learning how to perform endonasal endoscopic skull base surgery in a multidisciplinary environment incorporating advanced up to date basic science with current clinical knowledge to set a new standard in the field this major new reference offers the most complete and balanced coverage of modern rhinology and skull base surgery available today by integrating key advances in the basic sciences with modern clinical developments from the role of genetics allergy and immunology in rhinologic disorders to new evidence based medical and surgical approaches the book covers all

aspects of this dynamic multidisciplinary specialty with nearly 80 videos online including full patient cases with imaging endoscopic examinations and step by step surgical techniques complements the book special features highlights basic science developments in anatomy embryology pathophysiology immunology genetics and investigative rhinology includes more than 900 full color photographs and 120 drawings structured on evidence based medicine principles and based on current evidence based guidelines including the epos 2012 and endoscopic skull base tumors consensus document shares the

medical and surgical expertise of a truly international team of more than 100 clinicians and scientists from 17 countries a learning focused textbook with structured chapters each one including tips and tricks important notes key points summary and self assessment questions the only textbook tailored to the curriculum of the british intercollegiate frcs orl hns american board of otolaryngology and european academy exams a world class clinical reference as well as a comprehensive textbook rhinology and skull base surgery from the lab to the operating room is unrivalled for its breadth of coverage from basic science breakthroughs to

the newest diagnostic tools to the most advanced endoscopic treatment techniques a book that all practicing rhinologists otolaryngologists skull base surgeons as well as residents and fellows in otolaryngology will find indispensable for expanding their surgical and medical expertise and also for gaining a full understanding of the basic science framework of their multifaceted specialty pathology along the anterior and posterior skull base has long posed challenges to surgeons due to the difficulty accessing these locations and complexity of the surrounding neurovascular anatomy initial surgical management of these disorders included open

craniofacial approaches and or craniotomy and these approaches are still utilized today for selected cases however advances in the later half of the 20th century in optics endoscope design and high definition digital images allowed the development of microscopic and more recently endoscopic approaches to the skull base this technology was initially developed and used in adults but has been adapted over time for use in the pediatric patient in this chapter the salient points regarding pediatric endoscopic skull base surgery will be reviewed to provide the reader a framework for understanding the indications pertinent

anatomy preoperative evaluation and intraoperative management of skull base pathology highlighting challenges and circumstances unique to the pediatric population minimal access skull base surgery open and endoscopic assisted approaches is a highly illustrated guide to a range of approaches in ent surgery edited by kofi boahene and alfredo quiñones hinojosa from the john hopkins medical institute baltimore usa the book focuses on minimal access approaches to skull base compartments using an endoscope via natural and secondary openings into the head comprised of 31 chapters

across seven sections the book begins with a general introductory section which covers imaging of the skull base surgical pathology of the skull base and anaesthetic requirements for skull base surgery further sections cover approaches to surgery via particular anatomical areas including transorbital supraorbital transnasal infratemporal fossa and transoral approaches the concluding sections cover the management of selected skull base lesions skull base reconstruction and postoperative management minimal access skull base surgery open and endoscopic assisted approaches is

enhanced by 428 images and illustrations and an accompanying dvd featuring practical guidance on several procedures this is an essential resource for neurosurgeons otolaryngologists head and neck surgeons and any health care providers involved in these minimal access procedures key points comprehensive guide to minimal access procedures in skull base surgery covers minimal access skull base surgery via nose mouth eye socket and infratemporal fossa 428 images and illustrations instructional dvd for several skull base procedures edited kofi boahene and alfredo quiñones hinojosa based at

john hopkins medical institute baltimore usa the first two sections of this text address endoscopic and keyhole surgical procedures for cranial base and deep brain structures these sections provide a comprehensive state of the art review of this minimally invasive field and will serve as a valuable resource for clinicians surgeons and researchers with an interest in cranial base surgery the philosophy techniques indications and limitations of endoscopic and keyhole cranial base surgery are covered in detail this reference includes a discussion of the basic principles of these approaches as well as the preoperative

planning intraoperative pearls and reconstruction techniques the thorough descriptions of the practical and technical aspects are accompanied by extensive illustrations figures and operative images extending beyond the technical details of these procedures this text provides a third section that focuses on a thorough analysis and comparison of the endoscopic keyhole and traditional open approaches to specific intracranial regions utilizing a target based approach the utility of each surgical technique is evaluated in regard to accessing pathology of the anterior middle and posterior fossa cranial base as well as the deep

central regions of the brain all chapters are written by experts in their fields and include the most up to date scientific and clinical information endoscopic and keyhole cranial base surgery will be a valuable resource to specialists in optimizing surgical results and improving patient outcomes the diagnosis and treatment of the diseases of the nose paranasal sinuses and skull base have changed dramatically in the past few years transforming rhinology in one of most exciting and attractive medical fields the increasing advance in this area has addressed the ent physicians to keep up with the expanding information in the high tech area of sinus surgery

and its expansion into skull base surgery the intention of this book is to present in a unique way basic information on anatomy endoscopy rhinomanometry imaging allergy nasosinus infection and polyposis followed by by clinical and surgical chapters written by some of the most experienced rhinosurgeons around the world we believe that this book will be of value for all levels of otolaryngology from house officers to experienced surgeons and although principally for otolaryngologists radiologists pathologists maxillofacial surgeons ophthalmologists neurosurgeons and infectious diseases specialists may find

the book of value because of its overlap with their interests we would like to show that both from the technical and conceptual points of view success can be achieved using different techniques and philosophies certainly both endoscopic instrumentation and the surgical microscope have proved to be of great assistance in nasal and sinus surgery and now image systems are providing further progress gain a clear understanding of the entire spectrum of today's rhinology and anterior skull base surgery with atlas of endoscopic sinus and skull base surgery 2nd edition this thoroughly updated title increases your knowledge

and skill regarding both basic or advanced procedures taking you step by step through endoscopic approaches to chronic sinus disease nasal polyps pituitary tumors cerebrospinal fluid leaks sinonasal tumors and more all new videos provide real time guidance for procedures such as endoscopic anterior craniofacial resection endoscopic approach and removal of orbital tumors sphenoidotomy and many more covers the full range of modern rhinology and anterior skull base surgery from septoplasty and sphenoidectomy to extended frontal sinus procedures endoscopic craniofacial resections and

complex skull base reconstructions clearly conveys the anatomy and detailed steps of each procedure with concise step by step instructions visual guidance features high definition intraoperative endoscopic photos paired with detailed labeled anatomic illustrations features all new videos expertly narrated by dr palmer and dr chiu includes new content on anterior skull base surgery that reflect new developments in the field helps you provide optimal patient care before during and after surgery with detailed information on relevant anatomy and surgical indications instrumentation potential pitfalls and post

operative considerations expert consultt ebook version included with purchase this enhanced ebook experience allows you to search all of the text figures and references from the book on a variety of devices the quintessential state of the art atlas on endoscopic approaches to the lateral skull base the endoscope has become a highly effective tool in the arsenal of ear and skull base surgeons endoscopic lateral skull base surgery principles anatomy approaches by endoscopic surgery masters daniele marchioni and livio presutti reflects their development of innovative transcanalar approaches to the lateral cranial base using the external

auditory canal as a surgical corridor this unique atlas is designed to teach and clarify current and emerging endoscopic assisted surgery approaches to the lateral skull base the common goal of these cutting edge procedures is to access and treat tumors located in the lateral cranial base via the most minimally invasive endoscopic approach possible thereby bypassing delicate cranial nerves dural cerebral and vascular structures throughout 14 chapters an impressive group of skull base surgeons share firsthand insights and expertise in areas vital to endoscopic skull base surgery key features featuring contributions from

the who s who of global experts who continue to innovate by using the endoscope beyond its traditional use in middle ear surgery opening chapters cover anatomy microscopic approaches endoscopic dissection instrumentation or set up and radiologic assessments procedural chapters detail endoscopic approaches including transtemporal combined retrosigmoid and transcanalar techniques such as suprageniculate transpromontorial and infracochlear patient cases clinical applications and step by step guidance enhance understanding of diverse endoscopic approaches high

quality preoperative intraoperative and postoperative illustrations are selected from thousands of surgeries performed by the authors this remarkable book provides the most comprehensive and elucidating information written to date on endoscopic approaches to the lateral skull base making it essential reading for novice and expert surgeons alike the definitive state of the art resource on pediatric endoscopic endonasal approaches today expanded endonasal approaches eea have revolutionized the surgical treatment paradigm for pediatric central skull base lesions specially adapted micro

instruments have been developed to permit passage through the narrow sinonasal pathways in children enabling access to the entire midline skull base from the crista galli to the cervico medullary junction pediatric endoscopic endonasal skull base surgery by harminder singh jeffrey greenfield vijay anand and theodore schwartz is the first textbook focused solely on endoscopic endonasal management of cranial base pathologies in children the book reflects in depth expertise from an extraordinary group of international contributors from five continents who share extensive knowledge on this emerging field thirty chapters

are presented in three comprehensive sections key features core topics including anatomy rhinological and anesthetic considerations patient positioning and or set up instrumentation and endonasal corridors and approaches fifteen chapters detail endoscopic treatment of a full spectrum of pediatric pathologies such as craniopharyngioma meningoencephalocele basilar invagination and benign and malignant tumors among others discussion of multiple skull base closure techniques managing complications and neurosurgical and otolaryngological postoperative care visually rich the succinct

text is enhanced with more than 200 high quality surgical illustrations and intraoperative photographs as well as procedural videos this unique reference is essential reading for neurosurgical and otolaryngology residents and fellows as well as veteran surgeons nurse practitioners and physician assistants who treat and care for pediatric patients with skull base conditions currently surgical management provides the definitive treatment of choice for most pituitary adenomas craniopharyngiomas and meningiomas of the sellar region the elegant minimally invasive transnasal endoscopic approach to the sella turcica

and the anterior skull base has added a new dimension of versatility to pituitary surgery and can be adapted to many lesions in the region in this multi author book with numerous color illustrations the main aspects of the endonasal endoscopic approach to the skull base are presented starting with a clear description of the endoscopic anatomy the panoramic view afforded by the endoscope and the development of effective instruments and adjuncts after the diagnostic studies the strictly surgical features are considered in detail the standard technique is described and particular aspects are treated including

the new extended approaches to the cavernous sinus sphenoid planum and clival regions improve your surgical outcomes with atlas of endoscopic sinus and skull base surgery by james n palmer md and alexander g chiu md ideal for every otolaryngologist who performs basic or advanced rhinologic procedures this beautifully illustrated atlas takes you step by step through endoscopic sinus and skull base surgeries as if the chapter authors were right there with you in the operating room consult this title on your favorite e reader with intuitive search tools and adjustable font sizes elsevier ebooks provide instant portable access

to your entire library no matter what device you re using or where you re located benefit from the extensive knowledge and experience of leaders in the field as they walk you through endoscopic approaches to chronic sinus disease nasal polyps pituitary tumors cerebrospinal fluid leaks sinonasal tumors and much more employ state of the art techniques in your practice from septoplasty and sphenoidectomy to extended frontal sinus procedures endoscopic craniofacial resections balloon dilation and complex skull base reconstructions visualize every step of each procedure thanks to high definition

intraoperative endoscopic photos paired with detailed labeled anatomic illustrations achieve optimal patient care before during and after surgery with detailed information on relevant anatomy and surgical indications instrumentation potential pitfalls and post operative considerations improve your surgical outcomes with atlas of endoscopic sinus and skull base surgery by james n palmer md and alexander g chiu md ideal for every otolaryngologist who performs basic or advanced rhinologic procedures this beautifully illustrated atlas takes you step by step through endoscopic sinus and skull base surgeries as if the chapter

authors were right there with you in the operating room benefit from the extensive knowledge and experience of leaders in the field as they walk you through endoscopic approaches to chronic sinus disease nasal polyps pituitary tumors cerebrospinal fluid leaks sinonasal tumors and much more employ state of the art techniques in your practice from septoplasty and sphenoidectomy to extended frontal sinus procedures endoscopic craniofacial resections balloon dilation and complex skull base reconstructions visualize every step of each procedure thanks to high definition intraoperative endoscopic

photos paired with detailed labeled anatomic illustrations achieve optimal patient care before during and after surgery with detailed information on relevant anatomy and surgical indications instrumentation potential pitfalls and post operative considerations access the entire text and illustrations online fully searchable at expertconsult.com emphasizing the increasing importance of the neurosurgery otolaryngology team approach this new textbook describes the trends and critical aspects of this developing field detailing current practice as well as those new procedures that represent the future of treatment of these lesions

complete with full color endoscopic views x rays and reference charts throughout the text this remarkable manual encompasses the author s 30 years of experience and unique perspectives teaching endoscopic sinonasal surgery to residents and fellows it also reflects a wealth of surgical pearls from rhinology and endoscopic skull base surgery experts on how to safely navigate through the nose sinuses orbit and skull base following a stepwise approach designed to mirror a resident s progression in the cadaver lab this user friendly manual includes the most pertinent information on instrumentation

anteroposterior approaches and postero anterior approaches starting with the philosophy and history of sinus surgery the reader is introduced to basic anatomical and surgical concepts progressing to complete sphenoidectomy and frontal sinusotomy subsequent chapters delineate advanced dissection techniques including dacryocystorhinostomy orbital decompression anterior skull base resection infratemporal fossa approach nasopharyngectomy and skull base repair techniques utilizing grafts and local regional flaps complementary external approaches to the frontal and maxillary sinuses are also

illustrated key features videos available online exquisitely detailed full color diagrams sequentially illustrate the appearance of the surgical cavity before and after resection reinforcing the stepwise progression key concepts expertly elucidated through extensive illustrations endoscopic views and ct mri scans easy to follow anatomical landmarks pinpoint safe surgical sinus entry zones respective of paranasal sinuses and mucociliary pathways minimally invasive approaches to restore sinus ventilation and normal nasal functioning as well as orbital and skull base procedures and approaches described in depth this visually

rich manual is ideal for residents in otolaryngology head and neck surgery as well as rhinology and endoscopic skull base fellows it will also benefit otolaryngologists ophthalmologists and neurosurgeons who wish to brush up on specific endoscopic dissection techniques relative to their individual practice needs outstanding endoscopic skull base surgical resource presents cutting edge approaches from multidisciplinary global experts transnasal endoscopic skull base and brain surgery have undergone major technical advances in recent years the accumulation of experience and exciting technological

innovations including high definition cameras more ergonomic and precise surgical instruments as well as new hemostatic agents have enabled safer and more efficacious treatment of lesions affecting highly complex and delicate regions this fully revised and updated second edition of transnasal endoscopic skull base and brain surgery surgical anatomy and its applications builds on the acclaimed first edition focusing on the correlation between endoscopic skull base anatomy and state of the art clinical applications among these are the transplanum transtuberulum transcribriform transclival and craniocervical

junction surgical approaches renowned skull base surgeon aldo stamm and leading worldwide experts have compiled a comprehensive multidisciplinary textbook with 72 chapters in 14 sections didactically organized by regions and diseases detailed descriptions of sinonasal orbital cranial base and intracranial anatomy imaging modalities and in depth surgical navigation techniques form the foundation of this remarkable book the content reflects significant knowledge and diverse perspectives from masters in neurosurgery otorhinolaryngology head and neck surgery neuroendocrinology intensive

care neuro anesthesiology and other disciplines key highlights chapter summaries and highlights facilitate understanding and retention of complex concepts more than 700 beautiful anatomical operative and dissection illustrations and photographs enhance understanding of impacted areas 20 accompanying videos provide guidance on endoscopic transnasal approaches in patients with diverse skull base diseases pearls pitfalls and nuances throughout this book provide invaluable insights on achieving optimal outcomes neurosurgeons otolaryngologists head and neck surgeons and others will

greatly benefit from the step by step endoscopic procedural guidance and tips in this quintessential skull base surgical reference this book presents a complete step by step guide to endonasal endoscopic skull base surgery written by prominent interdisciplinary specialists and reflecting important recent developments in the field combining the fundamentals of skull base anatomy and pathology with current diagnostic and interventional imaging techniques endonasal endoscopic surgery of skull base tumors provides a solid clinical foundation for anyone working in this challenging and evolving specialty special

features state of the art contributions from international experts in endonasal endoscopic skull base surgery a 360 panoramic assessment of skull base pathologies description of basic and advanced endoscopic procedures based on the endonasal corridor system current tumor specific strategies including indications and preoperative work up endoscopic surgical techniques sequel and potential complications postoperative care outcomes and pearls and pitfalls clear and consistent interdisciplinary guidelines for managing the internal carotid artery in skull base surgery allowing the removal of

previously inoperable tumors surgical outcomes from two of the leading international skull base centers one in Fulda Germany formerly headed by Professor Draf and one joint program at the University of Brescia and University of Varese Italy complete with 500 full color photographs anatomic illustrations flowcharts and tables endonasal endoscopic surgery of skull base tumors offers a practical management approach and sets a new standard in the field it is invaluable for all otolaryngologists head and neck surgeons neurosurgeons neuroradiologists and pathologists who routinely make diagnostic and

therapeutic decisions with regard to skull base lesions it is also an essential text and reference for those who are learning how to perform endonasal endoscopic skull base surgery in a multidisciplinary environment illustrated with hundreds of outstanding endoscopic images and corresponding drawings this successfully established step by step guide to endoscopic sinus and skull base surgery is ideal for all specialists who need to stay current in the field in this expanded second edition practitioners will not only find basic and advanced procedures in endoscopic sinus surgery including key criteria for

patient selection but also four entirely new chapters on anterior skull base surgery that reflect important recent developments special features of the second edition superbly illustrated presenting over 1400 endoscopic images photographs and drawings provides a practical management approach that leads to optimal outcomes who are the best candidates for specific procedures when should medical treatment or surgery be used why should surgery be undertaken how are the operative procedures performed covers the latest techniques for removal of skull base tumors and repair of skull base defects includes new

chapters on pathophysiology of rhinosinusitis sense of smell applied anatomy the endoscopically assisted bimanual operating technique transorbital surgery interdisciplinary teamwork and more offers online access to 34 videos of endoscopic surgical procedures and patient interviews for an excellent

review and refresher describes along with videos the new technique of piriform turbinoplasty that opens up the nasal valve area provides information for patients leaflets that can also be downloaded from diagnosis and preoperative counseling to evidence based procedures complication avoidance and

postoperative management this book covers the gamut of topics clinicians face in everyday practice all otolaryngologists neurosurgeons and maxillofacial surgeons will find it essential when making diagnostic and treatment decisions involving the paranasal sinuses and skull base