

Endoscopic Ear Surgery Principles Indications And Techniques

This issue of Otolaryngologic Clinics of North America, devoted to Endoscopic Ear and Eustachian Tube Surgery, is guest edited by Drs. João Flávio Nogueira and Maaaz Tarabichi. Articles in this outstanding issue include: Anatomy of the Eustachian Tube; Physiology of the Eustachian Tube; Eustachian Tube Function and Testing; Radiology of the Eustachian Tube; Middle Ear and Eustachian Tube Dysfunction; Endoscopic Eustachian Tube Transnasal Surgery; Endoscopic Anatomy of the Protympnic Space; Outcomes Following Endoscopic Ear Surgery; Endoscopic Management of Superior Semicircular Canal Dehiscence; Endoscopic Management of Tumors in Middle Ear and Mastoid; Outcomes Following Endoscopic Stapes Surgery; Transtympanic Balloon Dilation of the Eustachian Tube; Selective Dysventilation Syndrome; Restoring Petrous Bone Ventilation; and Endoscopic Techniques in Tympanoplasty. This is the only book dedicated solely to frontal sinus disorders. It is a richly illustrated and comprehensive mine of information on the anatomy and management of these disorders. This updated second edition offers much new information. Additional topics include balloon dilation, frontal surgery as part of skull base surgery, and advances in endoscopic techniques and tools that have occurred since 2004 and have made open osteoplastic procedures almost obsolete. The anatomy and surgery of the supraorbital ethmoid cell and its significance in the pathology of frontal sinus disease are also covered. Throughout the book, particularly important areas of text are highlighted and core messages, emphasized. Videos of described procedures are available online. Written by experts from London's renowned Royal Free Hospital, Textbook of Plastic and Reconstructive Surgery offers a comprehensive overview of the vast topic of reconstructive plastic surgery and its various subspecialties for introductory plastic surgery and surgical science courses. The book comprises five sections covering the fundamental principles of plastic surgery, cancer, burns and trauma, paediatric plastic surgery and aesthetic surgery, and covers the breadth of knowledge that students need to further their career in this exciting field. Additional coverage of areas in which reconstructive surgery techniques are called upon includes abdominal wall reconstruction, ear reconstruction and genital reconstruction. A chapter on aesthetic surgery includes facial aesthetic surgery and blepharoplasty, aesthetic breast surgery, body contouring and the evolution of hair transplantation. The broad scope of this volume and attention to often neglected specialisms such as military plastic surgery make this a unique contribution to the field. Heavily illustrated throughout, Textbook of Plastic and Reconstructive Surgery is essential reading for anyone interested in furthering their knowledge of this exciting field. This book was produced as part of JISC's Institution as e-Textbook Publisher project. Find out more at <https://www.jisc.ac.uk/rd/projects/institution-as-e-textbook-publisher>

Increasingly used as an adjunctive tool in the diagnosis and management of ear disease, middle ear endoscopy has the potential to decrease patient morbidity, prevent disease recurrence, and reduce costs. Its capacity to uncover hidden anatomy within the small dimensions of the ear has made it essential for functional surgery, allowing surgeons to preserve key anatomic structures such as the cochlea and facial nerve. Now for the first time, the physicians who pioneered this groundbreaking minimally invasive technique review its indications, advantages, disadvantages, and surgical approaches: Written by the foremost leaders in the field, all members of the International Working Group on Endoscopic Ear Surgery Features nearly 1,000 intraoperative endoscopic images filmed with high-definition cameras, plus outstanding line drawings that aid in understanding all concepts. Comprehensively covers the field, including chapters on endoscopic and combined endoscopic-microscopic management of cholesteatoma, surgical restoration of middle ear ventilation, myringoplasty, Meniere disease, tympanoplasty and stapes surgery, revision surgery, and much more. Demonstrates state-of-the-art endoscopic procedures in 19 instructive videos. From the unique anatomy and pathophysiology of the middle ear through diagnosis, surgical indications, procedures, and instrumentation, this book is indispensable for all otolaryngologists and neurotologists. It offers a full picture of the field today, as well as exploring the future possibilities of ear endoscopes alone or in combination with operative microscopes for the most effective treatment of middle ear pathologies.

Fetal Therapy
Middle Ear and Mastoid Microsurgery
Minimally Invasive Surgery
Cholesteatoma and Ear Surgery
Medical Robotics
Berry & Kohn's Operating Room Technique, 12/e
This richly illustrated ear microsurgery atlas shows a picture is worth a thousand words! In order to envision a three-dimensional picture of the surgical space and ultimately to master surgery, surgeons need thorough visual and clinical knowledge of anatomy. Ear Surgery Illustrated: A Comprehensive Atlas of Otolologic Microsurgical Techniques by renowned surgeon Robert Jackler and illustrator Christine Gralapp reflects more than three decades of collaboration. The color illustrations herein communicate a wealth of surgical anatomy and technique with exceptional clarity and precision. Succinct, insightful text paired with the drawings delineate key landmarks, define crucial relationships, and elucidate complex concepts. Fifteen chapters encompass the broad spectrum of modern otological surgery practice — from commonplace procedures to complex tertiary-quaternary operative care. The appendix features helpful educational handouts surgeons can give to patients. Key Features More than 1,100 precise full-color illustrations with explanatory text cover a broad range of microsurgical approaches A wide range of surgical procedures including stapes surgery, tympanoplasty, ossiculoplasty, mastoidectomy, vestibular surgery, cochlear implants, temporal bone resection, and petrous apicectomy Management of various diseases and conditions such as cholesteatoma, facial nerve issues, temporal bone fractures, hearing loss, encephaloceles, cerebrospinal fluid leaks, and pulsatile tinnitus Stepwise procedural guidance throughout the atlas enables novice otolaryngologists and subspecialty otologists to achieve optimal surgical outcomes. Experienced surgeons will find insightful tips and helpful tricks to refine skills and tackle more complex technical challenges encountered in practice. Paired with Robert Jackler's and Christine Gralapp's Atlas of Skull Base Surgery and Neurotology Second Edition, the two books meld visual and clinical knowledge into remarkable resources covering otological, neurotological, and lateral skull base surgery techniques. The endoscope with magnifying lens systems and retrotympnic sub-regions. During microsurgical pro angled view has, in all oto-rhino-laryngology, been cedures, the recognition of pathologic changes in developed from a basically diagnostic tool into a sur niches, recesses or occluded tunnels is considerably gical instrument. Earlier, it served to see what exists. facilitated. The disadvantages of the operating micro Nowadays, it is continuously changing what one does. scope -reduced brightness and bad focus with higher Jean-Marc Thomassin's book "Otoendoscopically magnifications, no angled view- can be compensated guided survey" appears as the first guide into this new by additional endoscopy with the instrument's tip field of otoendoscopic control of microsurgery of the close to the target and with the view "around the cor ear. The author has achieved to compile and codify ner". what, during recent years, was already looked at by While thus visualizing remote areas or hidden him and by a "happy few" of otological pilots. But, he spots by a rigid magnifying endoscope with an angled has also added new insights into this matter. One may view direction apparently no patho-anatomical secret say that he has provided a solid basis for both the remains undiscovered. What can be inspected can be scholars and the experts who want to enrich their cleaned, there are adequate instruments. This fact arsenal of otosurgical techniques. makes the analysis of surgical failures more plausible.

Winner of the prestigious First Prize in ENT in 2005 from the British Medical Association (first edition)The second edition of this operative manual provides expanded coverage of the complex anatomy and the current surgical approaches to the paranasal sinuses and skull base. It provides practical, step-by-step instruction on using CT scans to reconstruct three-dimensional images of surgical anatomy, enabling the surgeon to develop detailed surgical plans for each clinical situation. The accompanying DVD is greatly expanded from the first edition's CD-ROM, with 30 additional operative videos plus new problem-based exercises. The operative videos enable practitioners to visualize the surgical concepts described and illustrated in the text. Case exercises provide the opportunity to apply knowledge learned to perform three-dimensional reconstructions--a valuable tool for self-assessment.Highlights of the second edition: Extensive presentation of all the anatomical variations and surgical approaches to the sinuses, parasinus regions, and posterior, middle, and anterior cranial fosse Straightforward outlines for approaching the frontal sinus and frontal recess, maxillary sinus trephination, dacryocystorhinostomy surgery, cerebrospinal fluid leak closure, orbital and optic nerve decompression, and Vidian neurectomy 830 diagrams, illustrations, and images demonstrating anatomy and surgical techniques Detailed coverage of endoscopic surgical approaches to tumors of the sinuses and in the intracranial cavity Discussion of the value and importance of axial CT for determining drainage pathways Essential for ENT surgeons, otolaryngologists, and residents, the book equips readers with all the information necessary for handling the range of anatomical variations that may be encountered and selecting the best approach for each.

This issue of Otolaryngologic Clinics, Guest Edited by Drs. Manuela Fina, Justin S. Golub, and Daniel Lee, is devoted to Endoscopic Ear Surgery. This issue is one of six selected each year by our series Consulting Editor, Sujana S. Chandrasekhar. Articles in this important issue include: History of Endoscopic Ear Surgery; Endoscopes and Exoscopes for Otology and Neurotology; Redefining middle ear anatomy and physiology; Getting started with Endoscopic Ear Surgery; Otoendoscopy in the Office and Operating Room; Teaching Tools for Endoscopic Ear Surgery; Endoscopic Myringoplasty and Tympanoplasty; Novel Radiologic Approaches for Cholesteatoma Detection; Endoscopic Ear Surgery for Congenital Cholesteatoma; Endoscopic Management of Pediatric Chronic Ear Disease; Endoscopic Management of Acquired Cholesteatoma; Endoscopic Stapes Surgery; Endoscopic-assisted Lateral Skull Base Surgery; New Navigation Approaches for Endoscopic Lateral Skull Base Surgery; Endoscopic-assisted Drug Delivery for Inner Ear Regeneration; Pearls and pitfall in Endoscopic Ear Surgery; Future of Endoscopic Ear Surgery; and The Role for Microsurgery of the Ear. HYPERBARIC OXYGEN THERAPY INDICATIONS, 14TH EDITION. EDITED BY RICHARD E MOON.

Documentation Guidelines for Evaluation and Management Services

The Frontal Sinus

Endoscopic Sinus Surgery

Guidelines for the Care and Use of Mammals in Neuroscience and Behavioral Research

Endoscopic Anatomy of the Middle Ear

Emergency Surgery provides both a practical guide and an understanding of the issues that need to be considered in the management of emergency surgery patients. It presents a clear account of the key issues involved in the assessment, investigation, resuscitation and surgical management of patients who present to the on-call emergency team. It considers the full breadth of issues encountered in these patients including anaesthesia, pre-op resuscitation/optimization, and initial post-operative care including preliminary high dependency/critical care, as well as the complications and acute issues found in acute surgical patients on the ward. It is ideal for surgical trainees as well as trainees from other specialties involved in the care of these complex and challenging patients. This title is also available as a mobile App from MedHand Mobile Libraries. Buy it now from Google Play or the MedHand Store.

Deliver the best patient care before, during, and after surgery with this straightforward, step-by-step guide to surgical skills and operating room procedures. It provides comprehensive coverage of all the updated AST Core Curriculum, 6th Edition components - health care sciences, technological sciences, patient care concepts, surgical technology, and surgical procedures. A mentoring approach makes even complex skills and techniques easy to understand. User-friendly features such as full-color illustrations, chapter outlines and summaries, review questions, critical thinking exercises, and technique boxes help you focus on the most important concepts and make it easier to retain and recall critical information. Chapter objectives correspond to the latest AST Core Curriculum objectives to ensure you have access to the most reliable information in the operating room. Enhanced critical thinking scenarios at the end of each chapter help you strengthen your critical thinking and clinical decision-making skills and highlight practical applications of key concepts. Additional information on special populations, including bariatric, pregnant, physically or mentally challenged, isolation, trauma, language barrier, and substance abuse patients, highlights important considerations for the surgical technologist regarding transfer, preparation, and procedure set up. Expanded coverage of surgical lasers keeps you up to date with the latest technology so you can effectively assess the function, assembly, use, and care of equipment in the surgical suite. UPDATED! Coverage reflects the new AST Core Curriculum, 6th Edition to keep you current. NEW! Chapters on Disaster Preparedness and Response and Transplant Surgery offer cutting-edge information on these key topics. Coverage of the Assistant Circulator role, as well as a break down of first and second scrub roles, help you better understand the responsibilities of each member of the surgical team.

Endoscopic techniques are widely used for screening, diagnostic and therapeutic maneuvers in all groups of patients and for a large spectrum of complaints. The availability of basic iterations of endoscopic techniques made screening programs for various diseases viable in most parts of the world, while the advent of modern techniques opens new perspectives for rapid and correct diagnosis. Going beyond normal human vision, innovative techniques opened the prospect of in-situ pathology. Endoscopic ultrasound has made incredible progress in recent years. Reaching the smaller orifices by endoscopy was a major step forward in the surveillance of previously inaccessible lesions. Investigatory techniques were complemented by advances in therapy, with novel applications in many major areas of medicine.

The clinical practice of anesthesia has undergone many advances in the past few years, making this the perfect time for a new state-of-the-art anesthesia textbook for practitioners and trainees. The goal of this book is to provide a modern, clinically focused textbook giving rapid access to comprehensive, succinct knowledge from experts in the field. All clinical topics of relevance to anesthesiology are organized into 29 sections consisting of more than 180 chapters. The print version contains 166 chapters that cover all of the essential clinical topics, while an additional 17 chapters on subjects of interest to the more advanced practitioner can be freely accessed at www.cambridge.org/vacanti. Newer techniques such as ultrasound nerve blocks, robotic surgery and transesophageal echocardiography are included, and numerous illustrations and tables assist the reader in rapidly assimilating key information. This authoritative text is edited by distinguished Harvard Medical School faculty, with contributors from many of the leading academic anesthesiology departments in the United States and an introduction from Dr S. R. Mallampati. This book is your essential companion when preparing for board review and recertification exams and in your daily clinical practice.

Emergency Surgery

Neuroendoscopic Surgery

Surgical Techniques in Otolaryngology - Head & Neck Surgery: Sinonasal Surgery

Current Approaches and Understanding

Endoscopic Ear and Eustachian Tube Surgery, An Issue of Otolaryngologic Clinics of North America, E-Book

Oxford Textbook of Fundamentals of Surgery

Third volume of annual series bringing clinicians and trainees up to date with latest developments in otolaryngology. Complete chapter dedicated to emerging subspecialty, geriatric otolaryngology.

Preface It was a great privilege and honour for me and my deputy chairman Professor Chris Raine to host the 10th International Conference on Cholesteatoma and Ear Surgery (Chole2016) in Edinburgh, Scotland. The Council of the British Society of Otology has helped me tremendously in the preparation of this conference. Over 1000 delegates from 54 countries attended Chole2016 on 5-8 June 2016. The scientific programme included 12 keynote lectures on the basic science of chronic ear diseases; 23 national symposium; 41 round tables; two live temporal bone dissections; 14 video instructional sessions; 18 Free paper sessions and poster presentations. I sincerely thank all the faculties who contributed to the scientific programs and also the delegates who provided a lively discussion during the scientific sessions. It was the exchange of knowledge between the speakers and the delegates that makes the conference so worthwhile to me. The aim of Chole2016 was to: Bring basic science on chronic ear diseases to the clinicians. Achieve consensus in definitions, classification and staging of cholesteatoma. The first aim was fulfilled by a scientific programme that focused keynotes sessions on basic sciences. These proved delegates with a fascinating insight into the cellular biology, the role of chronic inflammation, genetic advances, middle ear mechanics/physiology, bacteriology, stem cell research and novel imaging technologies in the context of cholesteatoma. At Chole2016, the joint EAONO/JOS consensus document was presented to the international scientific community for the first time. It led to a lively and productive discussion. A consensus document on classification and staging of cholesteatoma has since been produced. The Proceedings of Chole2016 is available in paper book as well as PDF (enhanced PDF with links) and EPUB (optimized for tablets). The electronic versions are freely downloadable for all. If you want a copy (paper book) Kugler Publications can also provide POD (Publishing on Demand) copies for a reasonable price. Finally, I am very much looking forward to seeing all of you at the 11th Conference in Shanghai in 2020! Matthew Yung Handbook of Robotic and Image-Guided Surgery provides state-of-the-art systems and methods for robotic and computer-assisted surgeries. In this masterpiece, contributions of 169 researchers from 19 countries have been gathered to provide 38 chapters. This handbook is 744 pages, includes 659 figures and 61 videos. It also provides basic medical knowledge for engineers and basic engineering principles for surgeons. A key strength of this text is the fusion of engineering, radiology, and surgical principles into one book. A thorough and in-depth handbook on surgical robotics and image-guided surgery which includes both fundamentals and advances in the field A comprehensive reference on robot-assisted laparoscopic, orthopedic, and head-and-neck surgeries Chapters are contributed by worldwide experts from both engineering and surgical backgrounds

This unique, richly illustrated atlas offers a "how-to" reference guide to the most common and innovative endoscopic surgical procedures for the middle and inner ear, based on an ex vivo ovine model. Moreover, it compares this model to the same approaches in humans, underlying the essential surgical tips and tricks. The transcranial endoscopic approach for the management of middle and inner ear pathologies is being increasingly used, but in some countries the lack of human specimens makes adequate training in this field difficult: in response, the book introduces a novel method performed on the animal model, which allows trainees to improve their skills, while reducing the cost of surgical training. It provides a full description of specimen preparation, and comparative anatomical and radiological analyses of the human and ovine models, guides readers through the main otologic operative techniques (e.g. canalplasty, miringoplasty and ossiculoplasty) step by step, and illustrates the best approach to the internal auditory canal. Written by prominent experts in the field, this atlas serves as a unique reference resource for residents and young surgeons wishing to acquire first-hand the skills needed for endoscopic procedures and to improve their learning curves.

Principles and Practice

Innovations in Endoscopic Ear Surgery

An Update 2017

Oral and Maxillofacial Surgery for the Clinician

Handbook of Robotic and Image-Guided Surgery

The 16th Edition of this classic text provides surgeons with the most comprehensive information available in this field. This exhaustive revision includes more than 1,500 illustrations and 1,800 of the most recent references available in surgery. Included are: advances in cardiothoracic surgery, neurosurgery, plastic and maxillofacial surgery, pediatric surgery, hand surgery, orthopedics, gynecology, and urology, as well as the historical and developmental aspects of surgical practice and the anatomical, pathological, physiological, biochemical and molecular basis of several disorders.

Based on more than 30 years of experience and 12,000 clinical cases, this state-of-the-art guidebook provides clear, step-by-step instructions on the latest middle ear and mastoid microsurgeries. The reference begins with a full discussion of temporal bone anatomy, and goes on to cover operating room layout, anesthesia, technical considerations, staging, ventilation-tube insertion, general surgical procedures, pre- and post-operative care guidelines, and much more. This guidebook is the first of its kind to comprehensively cover every aspect of middle ear and mastoid microsurgery. Key features: Exhaustive and meticulous descriptions of the most current microsurgical techniques More than 850 lavish surgical photographs and schematic computer graphics – nearly three per page – that illustrate every point in the text Special section on decision-making in middle ear surgery, including operating on the only hearing ear Practical chapter summaries that provide tips for achieving the best results All otologic surgeons, residents, and medical students will find this fundamental guide and pictorial reference to middle ear and mastoid microsurgery an invaluable practice resource. Benefit from the experience and insights of these world-renowned otologic specialists. Dr. Sanna is part of The Gruppo Otológico, a world-renowned specialist center for the diagnosis and medical and surgical treatment of diseases of the ear, skull base, facial nerve, head and neck, and paranasal sinuses. More information is available on the group's website, www.gruppootologico.it/eng.

The second edition of Fundamentals of Anaesthesia builds upon the success of the first edition, and encapsulates the modern practice of anaesthesia in a single volume. Written and edited by a team of expert contributors, it provides a comprehensive but easily readable account of all of the information required by the FRCA Primary examination candidate and has been expanded to include more detail on all topics and to include new topics now covered in the examination. As with the previous edition, presentation of information is clear and concise, with the use of lists, tables, summary boxes and line illustrations where necessary to highlight important information and aid the understanding of complex topics. Great care has been taken to ensure an unrivalled consistency of style and presentation throughout. Covers the latest insights any fetal specialist needs and provides essential knowledge for professionals caring for women with high-risk pregnancies.

Endoscopic Ear Surgery

**Examination–Diagnosis–Treatment
Novel Techniques and Recent Advancements
Color Atlas of Endo-Otoscropy
Surgical Palliative Care**

Anatomy, Three–Dimensional Reconstruction, and Surgical Technique

Expanding on the National Research Council’s Guide for the Care and Use of Laboratory Animals, this book deals specifically with mammals in neuroscience and behavioral research laboratories. It offers flexible guidelines for the care of these animals, and guidance on adapting these guidelines to various situations without hindering the research process. Guidelines for the Care and Use of Mammals in Neuroscience and Behavioral Research offers a more in–depth treatment of concerns specific to these disciplines than any previous guide on animal care and use. It treats on such important subjects as: The important role that the researcher and veterinarian play in developing animal protocols. Methods for assessing and ensuring an animal’s well-being. General animal-care elements as they apply to neuroscience and behavioral research, and common animal welfare challenges this research can pose. The use of professional judgment and careful interpretation of regulations and guidelines to develop performance standards ensuring animal well-being and high-quality research. Guidelines for the Care and Use of Mammals in Neuroscience and Behavioral Research treats the development and evaluation of animal-use protocols as a decision-making process, not just a decision. To this end, it presents the most current, in-depth information about the best practices for animal care and use, as they pertain to the intricacies of neuroscience and behavioral research.

Advances in research have led to the use of robotics in a range of surgical applications. Medical robotics: Minimally invasive surgery provides authoritative coverage of the core principles, applications and future potential of this enabling technology. Beginning with an introduction to robot-assisted minimally invasive surgery (MIS), the core technologies of the field are discussed, including localization and tracking technologies for medical robotics. Key applications of robotics in laparoscopy, neurology, cardiovascular interventions, urology and orthopaedics are considered, as well as applications for ear, nose and throat (ENT) surgery, vitreoretinal surgery and natural orifice transluminal endoscopic surgery (NOTES). Microscale mobile robots for the circulatory system and mesoscale robots for the gastrointestinal tract are investigated, as is MRI-based navigation for in vivo magnetic microrobots. Finally, the book concludes with a discussion of ethical issues related to the use of robotics in surgery. With its distinguished editor and international team of expert contributors, Medical robotics: Minimally invasive surgery is a comprehensive guide for all those working in the research, design, development and application of medical robotics for surgery. It also provides an authoritative introduction for academics and medical practitioners working in this field. Provides authoritative coverage of the core principles, applications and future potential of medical robotics Introduces robot-assisted minimally invasive surgery (MIS), including the core technologies of the field and localization and tracking technologies for medical robotics Considers key applications of robotics in laparoscopy, neurology, cardiovascular interventions, urology and orthopaedics

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.

This is a unique, truly portable, and comprehensive handbook of ENT aimed at medical students and junior doctors. The detailed management plans and rationale for treatments, along with their advantages and disadvantages are useful for anyone managing patients with ENT and head and neck disorders.

The Biological Basis of Modern Surgical Practice

Head & Neck Surgery

Recent Advances in Otolaryngology

Scientific Basis and Critical Appraisal of Clinical Benefits

Innovative Uses and Emerging Technologies

Principles, Indications, and Techniques

The development and refinement of neuroendoscopy has been driven by the persistent desire of neurosurgeons to advance the field and offer less invasive, more efficacious options to patients. This remarkable multimedia book reflects the technological advances achieved in the last two decades in fiber optics, cold light, cameras, and endoscopic instrumentation. Written by an impressive Who's Who of international neurosurgeons, the outstanding text and videos reflect global contributions to neuroendoscopy. Current indications for intracranial and intraventricular endoscopy are described in depth, through detailed chapters, stellar videos, professional animations, and exquisite illustrations. The authors share their clinical expertise on procedures ranging from endoscopic third ventriculostomy to transventricular approach of the fourth ventricle. Cover to cover, this book details the differences, alternatives, advantages, and limitations of the flexible neuroendoscope. This hands-on learning tool will enable neurosurgeons to perform endoscopy of the ventricles and basal cisterns for exploratory purposes and conditions such as hydrocephalus, congenital aqueductal stenosis, tumors, hypothalamic hamartoma, arachnoid cysts, and neurocysticercosis. Additional topics include endoscopic-assisted microvascular decompression and aneurysm surgery, fluorescence, complications, anesthesia, utilization in developing countries, and future trends. Key Features: Comprehensive multimedia reference with online access to 70 superb videos and animations More than 300 meticulously drawn illustrations Beautifully illustrated anatomical chapters that facilitate in-depth understanding of endoscopic anatomy An entire chapter devoted to flexible neuroendoscopy Indications, preoperative preparation, procedure description, intraoperative complications and their management ("risk and rescue" techniques), expert pearls, postoperative management, and outcomes This volume is a must-have resource for neurosurgery and neurology residents, neurosurgeons, pediatric neurosurgeons, and all physicians involved in the care of patients with intracranial and intraventricular disease.

Endoscopic Ear SurgeryPrinciples, Indications, and TechniquesThieme

The aim of this book is to harmonize the field of Otorhinolaryngology, Head and Neck Surgery and its interdisciplinary subjects within the European Community; to present the state of the art in the field and to give standards for diagnostic and therapeutic procedures. The book includes sections titled Head and Neck, Larynx and Trachea, Nose and Paranasal Sinuses, Oral Cavity and Oropharynx, and Otolaryngology and Neurotology. It also covers such topics as patient evaluation and treatment, basic surgical procedures, as well as more conservative approaches. The book is authored by renowned experts throughout Europe, and features a layout that facilitates quick and easy retrieval of information.

Dental practitioners face a large number of patients seeking help for pain and loss of function in their temporomandibular joint and related structures. This book consists of eight chapters by authors who would like to share their experiences and researches on pathological conditions related to the temporomandibular joint. The chapters mainly focus on disorders, diseases, and entities while shedding light on the diagnostic methods and management modalities.

Endoscopic Endonasal Transsphenoidal Surgery

Endoscopy

Otorhinolaryngology, Head and Neck Surgery

Ear Surgery Illustrated

Anesthesiology: A Problem-Based Learning Approach

Essential Clinical Anesthesia

Endoscopy is a fast moving field, and new techniques are continuously emerging. In recent decades, endoscopy has evolved and branched out from a diagnostic modality to enhanced video and computer assisting imaging with impressive interventional capabilities. The modern endoscopy has seen advances not only in types of endoscopes available, but also in types of interventions amenable to the endoscopic approach. To date, there are a lot more developments that are being trialed. Modern endoscopic equipment provides physicians with the benefit of many technical advances. Endoscopy is an effective and safe procedure even in special populations including pediatric patients and renal transplant patients. It serves as the tool for diagnosis and therapeutic interventions of many organs including gastrointestinal tract, head and neck, urinary tract and others.

This book focuses on endoscopic ear surgery, an area that has been the focus of cutting-edge research around the globe, particularly in Italy, the United States and Japan. Ear surgery has begun to catch up with other fields of medicine in incorporating the endoscope into surgical procedures, and endoscopic, minimally invasive ear surgery is garnering international attention. Innovations in Endoscopic Ear Surgery presents the work of the Japanese “school” of surgeons involved in advancing endoscopic ear surgery and, in particular, transcanal endoscopic ear surgery (TEES). This book not only seeks to explain TEES in detail to allay surgeons’ concerns regarding this procedure, it also describes the recent advances such as the incorporation of powered instruments to extend the range of TEES; combining TEES with the latest techniques in regenerative medicine; taking advantage of the progress in computer technology such as 3D simulations and virtual reality and more. Innovations in Endoscopic Ear Surgery is designed to help smooth the learning curve for beginners as well as guide all readers onto the new paths which endoscopic ear surgery is embarking upon.

Linking existing knowledge to new knowledge by presenting it in the form of a case or a problem is a popular and effective educational approach resulting in better retention of the knowledge and improved ability to apply that knowledge to solve real problems. This problem-based learning (PBL) method was introduced into medical education at McMaster University in Ontario, Canada, in 1969. Since then it has been widely incorporated into secondary, undergraduate, and graduate education in a variety of disciplines worldwide. This new volume for the Anesthesiology Problem-Based Learning series reviews topics in general anesthesiology utilizing the PBL approach. Each chapter deals with conditions and problems in anesthesia practice presented as a case stem with questions to encourage critical thinking, followed by an evidence-based discussion and multiple-choice questions for self-assessment. Current in its knowledge of organ systems and management, the text keeps pace with new technology, new drugs, and new surgical techniques coupled with current guidelines for anesthetic management. Cases highlight the practical issues that arise in the operating room and offers solutions for them. The book can be used to review an upcoming clinical case or as a PBL tool. The Stem Case and Key Questions and Discussion sections can serve as the basis for interactive learning experiences for study groups or as a broad yet in-depth clinical review of the specialty for the individual learner. Self-assessment questions can be used as a measure of knowledge acquisition or simply as a question bank to prepare for examinations.

Palliative care has become increasingly important across the spectrum of healthcare, and with it, the need for education and training of a broad range of medical practitioners not previously associated with this field of care. Part of the Integrating Palliative Care series, this volume on surgical palliative care guides readers through the core palliative skills and knowledge needed to deliver high value care for patients with life-limiting, critical, and terminal illness under surgical care. Chapters explore the historical, philosophical, and spiritual principles of surgical palliative care, and follow the progression of the seriously ill surgical patient's journey from the pre-operative encounter, to the invasive procedure, to the post-operative setting, and on to survivorship. An overview of the future of surgical palliative care education and research rounds out the text. Surgical Palliative Care is an ideal resource for surgeons, surgical nurses, intensivists, and other practitioners who wish to learn more about integrating palliative care into the surgical field.

Otoendoscopically guided surgery

Fundamentals of Anaesthesia

Temporomandibular Joint Pathology

Oxford Handbook of ENT and Head and Neck Surgery

Endoscopic Ear Surgery, An Issue of Otolaryngologic Clinics of North America EBook

Surgical Technology

This is an open access book with CC BY 4.0 license. This comprehensive open access textbook provides a comprehensive coverage of principles and practice of oral and maxillofacial surgery. With a range of topics starting from routine dentoalveolar surgery to advanced and complex surgical procedures, this volume is a meaningful combination of text and illustrations including clinical photos, radiographs, and videos. It provides guidance on evidence-based practices in context to existing protocols, guidelines and recommendations to help readers deal with most clinical scenarios in their daily surgical work. This multidisciplinary textbook is meant for postgraduate trainees, young practicing oral surgeons and experienced clinicians, as well as those preparing for university and board certification exams. It also aids in decision-making, the implementation of treatment plans and the management of complications that may arise. This book is an initiative of Association of Oral and Maxillofacial Surgeons of India (AOMSI) to its commitment to academic medicine. As part of this commitment, this textbook is in open access to help ensure widest possible dissemination to readers across the world. ; Open access Unique presentation with contents divided into color-coded core competency gradations Covers all aspects of oral and maxillofacial surgery Supplemented with videos of all commonly carried out procedures as operative video Every chapter or topic concludes with “future perspective” and addresses cutting edge advances in each area Every topic has a pull out box that provides the most relevant systematic reviews/ key articles to every topic.

Despite the many advances in diagnostic technologies and imaging modalities in recent years, otoscopy remains the first diagnostic option in the diagnosis of otologic disease. This is an easy-to-consult book for residents and specialists, featuring brilliant diagnostic images from the newest generation of endoscopic otoscopes. Written by a renowned team of experts with 30 years of experience, this book helps readers obtain proficiency in otoscopy and in the interpretation of findings. Readers will learn what clinical consequences the diagnoses may have through case examples and treatment suggestions. Key Features: Richly illustrated with over 1000 mostly full-color photographs and many radiological studies Shows a vast range of common and rare pathologies that can be visualized and assessed via endo-otoscopy Juxtaposes, when appropriate, the clinical picture, radiological diagnosis, and intraoperative findings with the endo-otoscopic findings of the patient In each chapter, a surgical summary lists various approaches that may be used to optimally plan treatment of the patient A special final chapter covers the assessment of postsurgical findings as seen in otoscopy, so as to distinguish between normal healing and changes that may require further intervention Color Atlas of Endo-Otoscropy, produced with the support of Mario Sanna Foundation, is certain to become a valuable tool for all physicians involved in the care of patients with ear ailments.

Filling a gap in the anatomical and ENT literature, the authors show the various approaches to the middle ear which allow safe surgical manipulations, such as through the tympanic membrane or the Eustachian tube.

Sinonasal Surgery is part of the popular series Surgical Techniques in Otolaryngology – Head & Neck Surgery. This volume is a practical guide for otolaryngologists providing an overview of the most common, and some of the more advanced procedures performed in nose and sinus surgery. Edited by a team of recognised US based otolaryngologists, this authoritative atlas is unique in its scope. The book first outlines the basic principles of rhinologic practice, followed by sections on Inflammatory Sinus Disease, Adjunctive Surgical Procedures, Nasal Tumours and Endoscopic Skull Base Surgery. Each chapter presents an evidence-based approach to the development of each surgical procedure, and a description of the techniques, with intraoperative photographs and discussion on the benefits and pitfalls of each one. Additional descriptions of newer surgical methods such as balloon dilation of the sinuses, endoscopic transodontoid approaches, and nasopharyngectomy, make Sinonasal Surgery an up-to-date, essential text for the practising otolaryngologist. Key points Edited by US-based team of ENT specialists Part of an authoritative series Surgical Techniques in Otolaryngology–Head & Neck Surgery Other topics in this comprehensive series include: Head and Neck Surgery, Otologic and Neurotologic Surgery, Laryngeal Surgery, Pediatric Otolaryngologic Surgery and Facial Plastic and Reconstructive Surgery

A Comprehensive Atlas of Otologic Microsurgical Techniques

Sabiston Textbook of Surgery

Comparative Atlas of Endoscopic Ear Surgery

Textbook of Plastic and Reconstructive Surgery

Training Techniques Based on an Ovine Model