

PAROTIDECTOMY

Johan Fagan

The facial nerve is central to parotid surgery for both surgeon and patient. Knowledge of the surgical anatomy and the landmarks to find the facial nerve are the key to preserving facial nerve function.

Surgical Anatomy

Parotid gland

The parotid glands are situated anteriorly and inferiorly to the ear. They overlie the vertical mandibular ramus and masseter muscles, behind which they extend into the retromandibular sulci. The glands extend superiorly from the zygomatic arches and inferiorly to below the angles of the mandible where they overlie the posterior bellies of the digastric and the sternocleidomastoid muscles. The parotid duct exits the gland anteriorly, crosses the masseter muscle, curves medially around its anterior margin, pierces the buccinator muscle, and enters the mouth opposite the 2nd upper molar tooth.

Superficial Muscular Aponeurotic System and Parotid Fascia

The **Superficial Muscular Aponeurotic System (SMAS)** is a fibrous network that invests the facial muscles, and connects them with the dermis. It is continuous with the platysma inferiorly; superiorly it attaches to the zygomatic arch. In the lower face, the facial nerve courses deep to the SMAS and the platysma. The parotid glands are contained within two layers of **parotid fascia**, which extend from the zygoma above and continue as cervical fascia below.

Structures that traverse, or are found within the parotid gland

- **Facial nerve and branches** (*Figure 1*)

- **External carotid artery:** It gives off the transverse facial artery inside the gland before dividing into the internal maxillary and the superficial temporal arteries (*Figure 2*).

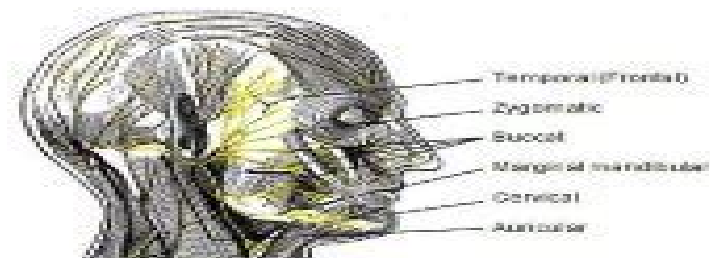


Figure 1: Main branches of facial nerve

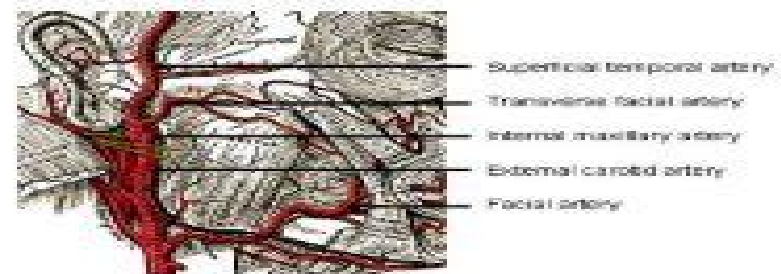


Figure 2: Branches of external carotid artery

- **Veins:** The maxillary and superficial temporal veins merge into the retromandibular vein within the parotid gland, but are not responsible for draining the gland. Venous drainage of the parotid itself is to tributaries of external and internal jugular veins.
- **Lymphatics:** A number of lymph nodes are present within the gland,

Atlas Of Head And Neck Surgery Otolaryngology

**Siba P. Dubey, Charles P.
Molumi, Herwig Swoboda**



Atlas Of Head And Neck Surgery Otolaryngology:

Atlas of Head & Neck Surgery--otolaryngology Byron J. Bailey, 2001 This newly revised and updated Second Edition surgical atlas is an integral complement to the textbook Head and Neck Surgery Otolaryngology Third Edition Comprehensive coverage provides surgical techniques and the latest procedures in a well organized concise format Step by step descriptions are presented and include accompanying two color illustrations outlines tips complications postoperative care issues references and surgical variations Many renowned surgeons author the chapters making this noteworthy guide a necessary component in the otolaryngologic community

Atlas of Head and Neck Surgery E-Book James I. Cohen, Gary L. Clayman, 2011-08-01 Atlas of Head and Neck Surgery by Drs James I Cohen and Gary L Clayman delivers unparalleled visual guidance and insight to help you master the most important and cutting edge head and neck procedures Clear consistent black and white drawings and detailed text lead you through each step of all standard operations while commentary from leading experts presents alternative techniques complete with explanations about the differences nuances pearls and pitfalls of each approach Concise yet complete this easily accessible text captures groundbreaking techniques such as video assisted thyroid and parathyroid surgeries transoral laser surgeries and robotic surgeries This surgical technique reference is an ideal resource for planning and performing successful head and neck surgery or preparing for the head and neck portion of the Otolaryngology boards Understand how to proceed thanks to an abundance of explicit illustrations and detailed text that take you from one step to the next Quickly find the information you need to make confident decisions Relevant indications contraindications pre operative considerations and post operative management are presented in an easily accessible format Discern the nuances and understand the differences between standard operations and alternate techniques Experts debate each procedure offering insightful explanations rationale and tips for avoiding complications Master new procedures such as video assisted thyroid and parathyroid surgeries transoral laser surgeries and robotic surgeries Section editor F Christopher Holsinger MD FACS is at the forefront of many of these techniques some of which are being illustrated for the first time here Learn from some of the very best Experts from the MD Anderson Cancer Center and the Oregon Health Science University OHSU share their innovative approaches to the surgical techniques and complications management most frequently seen in practice Understand specific variations in anatomy as they apply to each procedure

Atlas of Operative Otorhinolaryngology and Head and Neck Surgery (2 Vol Set) Bachi T Hathiram, Vicky S Khattar, 2013-03-31 This two volume set is a comprehensive guide to surgical techniques in otorhinolaryngology and head and neck surgery Beginning with otology and lateral skull base surgery the following sections discuss rhinology and anterior skull base surgery maxillofacial plastic cosmetic and reconstructive surgery laryngology including airway and head and neck surgery including oncology Each chapter describes a different surgical procedure for the relevant region of the head and neck Highly illustrated with more than 2700 colour images Key points Comprehensive two volume set describing surgical

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An Atlas of Head and Neck Surgery John M. Loré,1973 **Otolaryngology and Head and Neck Surgery** ,1995-07

Atlas of Head and Neck Robotic Surgery Ziv Gil,Moran Amit,Michael E. Kupferman,2017-06-22 This atlas offers precise step by step descriptions of robotic surgical techniques in the fields of otolaryngology and head and neck surgery with the aim of providing surgeons with a comprehensive guide The coverage encompasses all current indications and the full range of robotic surgical approaches including transoral transaxillary transmaxillary and transcervical Key clinical and technical issues and important aspects of surgical anatomy are highlighted and advice is provided on ancillary topics such as postoperative care and robotic reconstructive surgery Robotic surgery has proved a significant addition to the armamentarium of tools in otolaryngology and head and neck surgery It is now used in many centers as the workhorse for resection of oropharyngeal and laryngeal tumors thyroid surgery and base of tongue resection in patients with obstructive sleep apnea The da Vinci robotic system with its three dimensional vision system is also excellent for parapharyngeal nasopharyngeal and skull base resections This superbly illustrated book with accompanying online videos will be ideal for residents in otolaryngology head and neck surgery and skull base surgery who are working in a robotic cadaver lab and for specialists seeking to further improve their dissection techniques *Color Atlas of Head and Neck Surgery* Siba P.

Dubey,Charles P. Molumi,Herwig Swoboda,2020-02-21 This surgical atlas now in its second edition provides superbly illustrated step by step descriptions of a wide range of open head and neck procedures including radical and conservative approaches aesthetic and reconstructive surgeries with the use of axial and free flaps and surgery within the narrow confines of the skull base Individual chapters are dedicated to surgery of the nose and paranasal sinuses larynx and trachea thyroid salivary glands mandible face and lips and head and neck the repair of external nose defects the use of axial and free flaps and surgical treatment of temporal bone malignancies The new edition written by experts from across the world covers a number of additional topics such as pediatric head and neck surgery laser surgery and robotic surgery It also features improved surgical photographs enhanced descriptions of essential procedures identification of pitfalls many practical tips and best references available for each procedure to assist readers The atlas will be a comprehensive practical reference for clinicians in all specialties involved in head and neck surgery including otolaryngologists head and neck surgeons plastic surgeons maxillofacial surgeons and surgical oncologists **Atlas of Operative Otorhinolaryngology and Head & Neck Surgery: Otology and Lateral Skullbase Surgery** Bachi T Hathiram,Vicky S Khattar,2013-03-31 *Color Atlas of Head and Neck Surgery* Siba P. Dubey,Charles P. Molumi,2015-04-24 This surgical atlas featuring a wealth of color photographs provides detailed step by step descriptions of a wide range of open head and neck procedures including radical and conservative organ preservation functional approaches aesthetic and reconstructive surgeries with the use of axial and free flaps and surgery within the narrow confines of the skull base Individual chapters are dedicated to surgery of the nose and

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Atlas of Head and Neck Surgery Carl E. Silver, 1986 This Second Edition of ATLAS OF HEAD AND NECK SURGERY presents an even more comprehensive reference for procedures performed routinely in head and neck surgery This book is carefully illustrated and is a fully updated clear and concise step by step surgical guide

Rhinology and Facial Plastic Surgery Fred J. Stucker, Chris de Souza, Guy S. Kenyon, Timothy S. Lian, Wolfgang Draf, Bernhard Schick, 2009-03-28 Georg von Bekesey was awarded the Nobel Prize for his seminal work everyone all over the world In other words it is directed toward work on hearing It was however 43 years later in 2004 that evolving a common scientific language that is spoken uniformly Linda Buck and Richard Axel were awarded the Nobel Prize for and consistently all over the world Universality so that norms their work on olfaction This is indicative of how the science of staging systems etc can be applied anywhere in the world with rhinology is only now coming into its own For quite some time equal validity This can only be achieved through consensus rhinology was thought to be limited in scope It is now appreciated This book contains not only the genesis and pathogenesis of at least that the nose is not only an organ of aesthetic appeal but rhinologic disease but also what all surgeons want and that is one that carries out several important complex functions The operative steps to bring about successful resolution of disease tremendous surge in medical literature in recent times bears with the return of normal function

Oral and Maxillofacial Surgery for the Clinician Krishnamurthy Bonanthaya, Elavenil Panneerselvam, Suvy Manuel, Vinay V. Kumar, Anshul Rai, 2021-02-14 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

National Library of Medicine Current Catalog National Library of Medicine (U.S.), **Atlas of Otolaryngology**

Head and Neck Surgery Anil Lalwani, 2020-05-22 *The Atlas of Head and Neck Surgery* Bruce W. Jafek, Clarence T. Sasaki, 1983 **Atlas of Instruments in Otolaryngology, Head and Neck Surgery** Vikram K Bhat, D Manjunath, 2012-11-30 This book Atlas of Instruments in Otolaryngology Head and Neck Surgery made a sincere attempt to include more than 350 color illustrations of instruments that can be considered important from the point of view of the postgraduate students and the practitioners The book does not contain each and every instrument that is present in the specialty of otorhinolaryngology There are special tips for the students to remember the names of instruments in the form of tables and list of common scientists Help a student in the easy understanding of surgical procedures List of the instruments for indiv Current Catalog National Library of Medicine (U.S.), 1992 Atlas of Operative Otorhinolaryngology and Head & Neck Surgery: Rhinology and Anterior Skullbase Surgery Bachi T Hathiram, Vicky S Khattar, 2013-03-31 *Foundation Otorhinolaryngology for Nursing* Balasubramanian, 2006 Master Techniques in Blepharoplasty and Periorbital Rejuvenation Guy G. Massry, MD, Mark R. Murphy, MD, Babak Azizzadeh, MD, 2011-09-02 Master Techniques in Blepharoplasty and Eyelid Reconstruction is a comprehensive multi specialty textbook and surgical atlas on blepharoplasty and eyelid reconstruction presenting multiple competing and complementary techniques by the leading experts in the field of plastic surgery facial plastic surgery and oculoplastic surgery Only the most pioneering and time tested surgical procedures are presented in step by step illustrative detail All areas of eyelid surgery are covered in a balanced and systematic approach An accompanying on line surgical atlas shows digitally videotaped procedures by the leading authors extremely useful to any surgeon interested in blepharoplasty Master Techniques in Blepharoplasty and Eyelid Reconstruction is the definitive textbook and atlas for any surgeon who interested in this topic

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web young's modulus 200×10^3 the rate dependence parameters are as follows for the test that verifies the temperature dependencies the power law is entered as a piecewise linear relationship for the cases in which rate dependent test data are

specified directly the units are not important

how does abaqus implement the plastic strain rate - Jul 26 2022

web i have a simple question regarding implementation of rate dependent yield in the plasticity module of abaqus for the rate dependent plasticity the flow stress σ has been defined the

rate dependent washington university in st louis - Feb 18 2022

web if this parameter is omitted it is assumed that the rate dependent material behavior depends only on temperature see specifying field variable dependence in material data definition section 16.1.2 of the abaqus analysis user's manual for more information

strain rate dependent component based connection modelling for use - Sep 27 2022

web oct 1 2013 this paper introduces the use of rate dependent springs to component based joint models this allows strain rate hardening as well as strain rate induced reductions in ductility to be included in component spring models for

material data definition massachusetts institute of technology - Apr 03 2023

web abaqus cae usage property module material editor name use the menu bar under the material options list to add behaviors to a material large strain considerations when giving material properties for finite strain calculations stress means true cauchy stress force per current area and strain means logarithmic strain

defining rate dependent yield with yield stress ratios - Mar 02 2023

web abaqus allows you to define a material's yield behavior accurately when the yield strength depends on the rate of straining and the anticipated strain rates are significant you can define strain rate dependence in two ways enter hardening curves at different strain rates directly as described in the following sections

modelling time dependent behavior of buried polyethylene pipes using abaqus - Aug 27 2022

web constant strain rates ranging from 10^{-5} s to 10^{-1} s these strain rate dependent stress strain relations are used in the input file and were simulated using fe modelling using abaqus same size of the specimen i.e. 12.7 mm diameter and 25.4 mm height is modelled in the fe analysis figure 1 shows the fe mesh developed both

messiah tartışma yaratan messiah dizisi hakkında bilmeniz gerekenler - Mar 26 2023

web jan 8 2020 messiah dizisi hem dünyada hem de türkiye de günlerdir konuşuluyor amerika haricinde İspanya türkiye ve İsrail basınında da diziden epey bahsedildi messiah dizisi türkiye de de diğer ülkelerde olduğu gibi ilgiyle izlendi ve sosyal medyada diziyle ilgili endişelerini ve coşkusunu paylaşan pek çok insan oldu

messiah netflix resmi sitesi - Jun 28 2023

web 2020 yetişkinlik düzeyi 18+ sezon thrillers İhtiyatlı bir cia ajanı ruhani bir hareket başlatan ve siyasi kargaşa yaratan karizmatik bir adamı araştırır gerçek olaylardan uyarlanmayan kurgusal bir hikâye başroldekiler michelle monaghan mehdi

dehbi john ortiz yaratıcılar michael petroni

messiah 2 sezon durumu yeni sezon olacak mı netflix haber - Jan 24 2023

web messiah 2 sezon yayın tarihi ne zaman yayınlanacak oyuncu wil travaal 27 mart ta şahsi instagram hesabından dizi izleyicileri için üzücü haberi duyurdu travaal gönderisinde bugün çok üzücü bir gün netflix ten aldığım habere göre messiah in ikinci sezonu olmayacak dedi

messiah 1 sezon 1 bölüm izle dizigom - Apr 26 2023

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messiah 1 sezon 1 bölüm türkçe dublaj izle dizimom - Jul 30 2023

web messiah 1 sezon 1 bölüm izle messiah izle messiah 1 sezon izle messiah 1 sezon 1 bölüm ü türkçe dublaj hd görüntü kalitesinde tek parça olarak izleyin

messiah dizi wiki - Dec 23 2022

web messiah michael petroni tarafından yaratılan amerikan gerilim türünde bir dijital platform dizisidir İlk sezon 1 ocak 2020 de netflix te yayınlanan on bölümden oluşuyor 1 2 dizide mehdi dehbi tomer sisley michelle monaghan john ortiz melinda page hamilton stefania lavie owen jane adams sayyid el alami fares

messiah izle dizibox - Oct 01 2023

web dizinin sosyal medyada çok konuşulmuş olması ve 2 sezona açık kapı bırakacak şekilde final yapması da messiah ın yayın hayatının uzun sürebileceğinin sinyallerini veriyordu ancak netflix ten diziyle ilgili şok edici bir karar geldi konusuyla dikkat çeken messiah ilk sezonun ardından netflix tarafından iptal edildi

messiah izle türkçe altyazılı dublaj dizi izle yabancidizi org - Aug 31 2023

web messiah dizisini 1080p full hd olarak izle oyuncularını konusu ve tartışmalarıyla bilgi sahibi ol messiah dizisini yabancidizi org farkıyla hd kalitesinde izle messiah izle yada messiah dizisini incele

netflix in tartışma yaratıp izleyicileri ikiye bölen yeni dizisi - Feb 22 2023

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messiah dizi 2020 beyazperde com - May 28 2023

web may 5 2021 michael petroni dan messiah isimli tv dizisinin başrollerinde mehdi dehbi al massih michelle monaghan eva geller var messiah isimli dizinin tüm haber ve videolarına bak konu orta doğu da gizemli bir adamın ortaya çıkmasıyla toplum ikiye ayrılır bir kısım mucizeler yaratıyo