

## 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 2<sup>nd</sup> upper molar tooth.

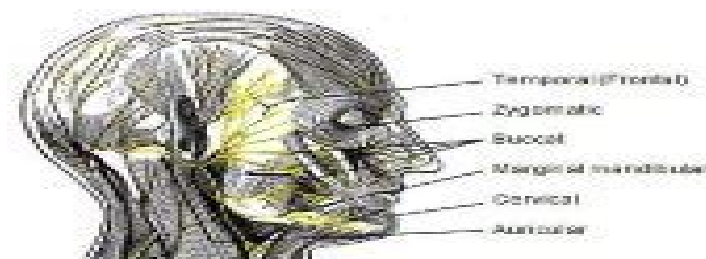
#### *Superficial Muscular Aponeurotic System and Parotid Fascia*

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.

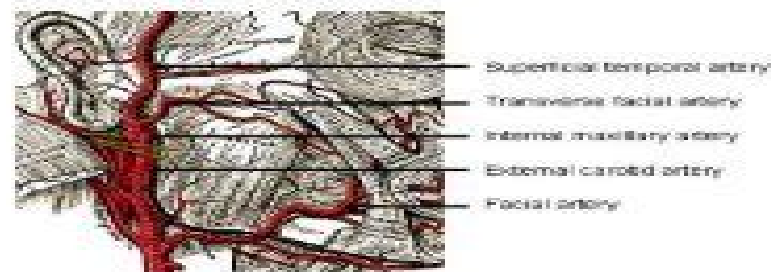
#### *Structures that traverse, or are found within the parotid gland*

- **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

**Daniela Niemeyer**



## **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

techniques in otorhinolaryngology and head and neck surgery Features more than 2700 colour images and illustrations

**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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**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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