Record Nr. UNINA9910451519903321 Principles and practice of lasers in otorhinolaryngology and head and **Titolo** neck surgery [[electronic resource] /] / edited by V. Oswal and M. Remacle; co-editors, S. Jovanovic and J. Krespi Hague, Netherlands, : Kugler Pubbl/distr/stampa Gilsum, NH,: Pathway Book Service, [distributor for US and Canada], 2002 **ISBN** 1-280-73915-0 9786610739158 90-6299-793-7 Descrizione fisica 1 online resource (504 p.) Altri autori (Persone) OswalVasant Remacle Marc JovanovicS Disciplina 617.5 617.5/1059 Soggetti Head - Laser surgery Larynx - Laser surgery Lasers in surgery Neck - Laser surgery Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and indexes. Contents; Preface; Foreword; About the editors; List of Contributors; Nota di contenuto Section I: Basic Science; 1. History of Laser Light; 2. Laser Biophysics; 3. Equipment and Instrumentation; 4. Theatre Protocol and Surgical Technique; 5. Anaesthesia for Laser Airway Surgery; Section II: Laryngology; 6. Lasers in Laryngology; 7. Laser Surgery for Benign Laryngeal Pathology; 8. Voice Surgery and Lasers; 9. Lasers in the Management of Laryngeal Malignancy; Section III: Rhinology; 10. Endonasal Laser Applications; 11. Laser-Assisted Dacryocystorhinostomy: 12. Nasal Turbinate Surgery 13. Laser-Assisted Functional Endoscopic Sinus Surgery14.

Miscellaneous Laser Applications in Rhinology; 14 - Part A: CO2 laser management of rhinophyma; 14 - Part B: Laser management of

recurrent epistaxis; 14 - Part C: Hereditary haemorrhagic telangiectasia; 14 - Part D: Laser surgery in the posterior nose/nasopharynx; 14 - Part E: Laser management of choanal atresia; 14 - Part F: Laser cartilaginous eustachian tuboplasty; Section IV: Otology; 15. Lasers in Otology: General Considerations; 16. An Overview of Lasers in Otology; 17. The KTP Laser in Cholesteatoma; 18. Laser Myringotomy

19. CO2 Laser in Stapes SurgerySection V: Orofacial Surgery; 20. The Orofacial Region: Laser Practice; 21. Laser-Assisted Surgery for Snoring and Obstructive Sleep Apnoea; 21 - A. Laser-Assisted Uvuloplasty; 21 - B. Laser-Assisted Septoplasty; 21 - C. Laser Midline Glossectomy and Lingualplasty for Obstructive Sleep Apnoea Syndrome; 22. Laser Tonsil Surgery; 22 - A. Laser Tonsillectomy; 22 - B. Laser-Assisted Serial Tonsillectomy; 22 - C. Laser Management of the Lingual Tonsils; 22 - D. Cryptolysis for Halitosis; Section VI: Lower Airway Laser Surgery; 23. Lasers in the Lower Airways

Section VII: Miscellanea24. CO2 Laser Endoscopic Microsurgery of Zenker's Pharyngo-oesophageal Diverticulum; 25. Spectral Imaging for the in-vivo Detection and Mapping of Tissue Lesions: Implications in Laser Treatment Planning; 26. Preparing a Business Case for the Purchase of a Laser; 27. Local Rules for the Safe Operation of Lasers in the ENT Theatre; 28. Glossary of Laser Terminology; Subject index; Index of Authors

## Sommario/riassunto

The addition of lasers to the surgical armamentarium of otolaryngology-head and neck surgery has allowed our specialty to offer patients new and exciting ways of approaching disease management, to improve on conventional surgical techniques, and to expand its scope. While certain distinct advantages are associated with the use of lasers in otolaryngology-head and neck surgery, these must be weighed up against the possible complications of laser surgery. Thirty-one years have passed since Jako and Strong first introduced the carbon dioxide laser, and its applications in the upper aerodigestive