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**Use of Ho:Yag Laser in early stage oropharyngeal squamous cell cancer**

Jagdeep S Virk MA MRCS DOHNS

Mike Dilkes FRCS ORL-HNS

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... with either transoral robotic-assisted surgery with cautery or transoral robotic-assisted surgery with **holmium-YAG laser**. ... in four patients with cautery surgery and two patients with **laser** surgery ... key to successful management of this situation, in our opinion, is **early** recognition and ...

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... As for non-surgical applications of **laser** energy, in the **early** 1990s biostimulation for the metabolism of inner ear hair cells by means of low ... But also solid-state YAG **lasers** have become more attractive through the introduction of the **Holmium:YAG laser**, which is ...

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... confer enhanced cutting and coagulation properties, compared with other **lasers** used in ... in the UK: transoral **laser** assisted microsurgical resection of **early** glottic cancer. ... ureteric lithiasis with retrograde ureteroscopy and **holmium:YAG laser** lithotripsy vs extracorporeal lithotripsy ...

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... as were two **early** (stage T1 and T2) oropharyngeal cancers (**holmium- YAG**) and three T1 supraglottic cancers (1 **holmium YAG**). ... and neck cancer centre, with the relevant equipment and surgical plus nursing exper- tise, local **laser** resection of **early** squamous cell ...

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LJ Walsh - Australian dental journal, 2003 - Wiley Online Library

... Fig 1. Laser system for photo-activated dye therapy, which uses a diode laser (635nm) and ... Erbium laser-based cavity preparation systems has yet to be translated to direct clinical application. ... YAG, Nd:NLF, diode lasers and excimers, have not proven feasible for use for cavity ...

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## [PDF] Transoral laser microsurgery in carcinomas of the oral cavity, pharynx, and larynx

JA Werner, AA Dunne, BJ Folz, BM Lippert - Cancer control, 2002 - researchgate.net

... The first reports of the successful use of lasers in cancer surgery were published in ... the laser beam results in mini- mal carbonization and is particularly suitable for this application. ... Steiner16 often used the second-line approach with an interval of approximately 1 week between ...

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## Laser surgery for selected small animal soft-tissue conditions

KE Bartels - Optics, Electro-Optics, and Laser ..., 1991 - proceedings.spiedigitallibrary.org

... Lasers in surgery have been used since the mid-50's and their application in human ... In addition, thermocouples used in conjunction with a personal computer and available software can be ... In addition, protocols for use of the HO:YAG laser are being implemented for lithotripsy ...

被引用次数: 7 相关文章 所有 3 个版本 引用

## [引用] Complications of CO 2 laser procedures in oral and maxillofacial surgery

MS Brandon, RA Strauss - Oral and maxillofacial surgery clinics of North ..., 2004 - Elsevier

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## Clinical applications of lasers in otolaryngology—head and neck surgery

RH Ossoff, JA Coleman, MS Courey... - Lasers in surgery ..., 1994 - Wiley Online Library

... This shortcom- ing has been rectified in the KTP laser, which uses the same aiming and treatment ... The Nd:YAG laser has much more limited application with regard to in- tralaryngeal use. ... laser

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## Holmium:YAG laser: 12-year study of indications for use and ...

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**squamous cell carcinoma** of the upper aerodigestive tract (nine with simultaneous neck ...

Conclusions: The **holmium:YAG laser** is safe and effective for benign and ... **stage** (T) one lesions and 64–90 per cent in T2 ... facilitating a degree of **symptom** relief from chronic ... **pharyngeal** wall tumours, two with simultaneous neck.

## SP222 – CO2 Laser Treatment of Head and Neck Cancer

[oto.sagepub.com/content/141/3\\_suppl\\_1/P148.1.full - 翻译此页](#)

作者: HM Alreefy - 2009

The **holmium Yag laser** was **used** in CW mode, delivered down a 550um fibre, ... as were two **early** (**stage** T1 and T2) **oropharyngeal cancers** (**holmium-YAG**) and ... local **laser** resection of **early squamous cell cancer** of the head and neck can ...

## METHODS: Prospective observational study of patients, un ...

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作者: AB Tassler - 2009

**holmium-YAG laser** resection of head and neck **squamous cell cancer** at a tertiary ... two **early** (**stage** T1 and T2) **oropharyngeal cancers** (**holmium-. YAG**) and three T1 ... the **use** of radiation therapy in the treatment of carotid body **tumors**, the ...