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声门型喉癌CO₂ 激光手术治疗后局部复发与前联合受侵犯的关系*

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Relationship between Local Recurrence and Anterior Commissure Involvement after CO₂ Laser Endoscopic Resection

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摘要 目的: 分析CO₂ 激光手术治疗声门型喉癌局部复发与前联合受侵犯的关系。**方法:** 回顾性分析2008年1月至2010年12月中山大学肿瘤防治中心133例激光手术治疗的早期声门型喉癌患者资料。其中包括侵犯前联合患者48例和前联合未受侵犯85例。133例中原位癌(Tis)40例, T1a 58例, T1b 19例, T2 5例, T3 1例。术后随访6~42个月。比较前联合受累组与前联合未受累组的局部复发率。结果: 133例支撑喉镜下CO₂激光手术后21例局部复发, 局部复发率为15.79%(21/133)。其中Tis复发率为17.50%(7/40)、T1a为8.62%(5/58)、T1b为36.84%(7/19)、T2为13.33%(2/15), T3 1例无复发, 各组间复发率无显著性差异(P>0.05)。病变侵犯前联合复发率为25.00%(12/48), 病变未侵犯前联合复发率为10.59%(9/85), 两组间有显著性差异(P<0.05)。133例激光手术治疗患者中死亡4例。结论: 激光手术治疗侵犯前联合的早期声门型喉癌复发率高, 其治疗价值值得进一步研究。

关键词: [激光手术](#) [喉肿瘤](#) [复发率](#) [前联合](#)

Abstract: Objective: This work aims to analyze the relationship between local recurrence and location of the tumor in early glottic carcinoma after CO₂ laser endoscopic resection. Methods: Data of 133 early glottic carcinoma cases, which were treated with laser surgery and were hospitalized at the cancer center of Sun Yan-Sen University from 2008 to 2010, were reviewed retrospectively. Of the 133 cases, 48 involved the anterior commissure and the other 85 did not. Of the total cases, Tis stage lesion (tumor in situ) was found in 58 cases, T1a stage in 58, T1b stage in 19, T2 stage in 5, and T3 stage in only 1. The follow-up period ranged from 6 to 42 months. The local recurrence rate between the involvement and non-involvement of anterior commissure was compared. Results: Local recurrence was detected in 21 of the 133 cases with early glottic laryngeal carcinoma after CO₂ laser surgery. The local recurrence rate was 15.79% (21/133). The recurrence rates of T1a, T1b, T2, and T3 were 8.62%, 36.84%, 13.33%, and 0%, respectively. No significant difference was found among the four groups (P ≥ 0.05). Among the 135 patients presenting with early glottic cancer, the anterior commissure was involved in 48 cases, with a local recurrence rate of 25% (12/48). In 85 of the cases without anterior commissure involvement, the local recurrence rate was 10.59% (9/85). Significant differences were found between the two groups (P ≤ 0.05). Of the 133 patients who received CO₂ laser surgery as the only therapy, 129 survived and 4 died. Conclusion: After laser microsurgery of early glottic carcinoma, a higher rate of tumor recurrence was found in the lesions with anterior commissure involvement. This finding needs further research.

Key words: [Laser therapy](#) [Laryngeal neoplasm](#) [Recurrence](#) [Anterior commissure](#)

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