

Nd³⁺: YAG laser treatment of oral hemangioma

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This paper reports 224 cases of hemangioma treated with Nd³⁺: YAG laser. All of them were followed-up for more than 1 year. According to pathological classification, the carvenous hemangioma accounts for 73% (162/224), capillary hemangioma 14% (32/224) and the mixed type of hemangioma 13% (30/224).

Results:

Healed (non-recurrence after the first year) 53% (119/224)

Prominent (disappearance of major part of lesion) 20% (46/224)

Effective (disappearance of superficial lesion) 23% (51/224)

Total effective rate 96% (216/224)

Ineffective 2% (4/224)

Recurrence 2% (4/224)

One year short term follow-up of the cases of carvenous hemangioma of the tongue showed prominent effective rate of 92% (75/82). Hemangioma occurring on the palate, uvula, tonsillar and pharyngeal areas treated with Nd³⁺: YAG laser gave the effective rate of 82% (9/11). The Nd³⁺: YAG laser has a satisfactory effect because no bleeding is caused during treatment, only slight edema was observed. The laser beam produces only a small point which coagulates the pathological area accurately, hence it is more advantageous than cryosurgery, injection of sclerotic solution and surgical procedures.

Nd³⁺: YAG 激光治疗口腔血管瘤

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本文报导了用 Nd³⁺:YAG 激光治疗口腔血管瘤共 224 例,均经过一年以上的随访。按病理类型分,以海绵型血管瘤最多,占 73%(162/224),毛细管型占 14%(32/224),混合型占 13%(30/224)。

治疗结果

近期治愈率(1年无复发者)53%(119/224)

显效率(病损大部消失) 20%(46/224)

有效率(浅面病损消失) 23%(51/224)

总有效率 96%(216/224)

无效率 2%(4/224)

复发率 2%(4/224)

舌部近期治愈率及显效率共为 92%(75/82),效果最好。发生在软腭、悬雍垂、扁桃体凹以及咽部的血管瘤,治疗中未发生过出血,治疗后水肿轻微,能比较有效地达到治疗部位,因此我们认为较冷冻、硬化剂注射及手术方法优越。