

[1]钟代琴,赵美林,黄姣,等.强力纤维唇侧夹板在上前牙种植术后过渡性修复中的临床应用[J].第三军医大学学报,2014,36(07):704-707.

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强力纤维唇侧夹板在上前牙种植术后过渡性修复中的临床应用

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Title: Clinical application of fiber reinforcement for labial splinting in upper anterior teeth transitional repair after implant

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摘要: 目的 分析强力纤维唇侧夹板用于上前牙种植术后过渡性修复的临床效果。 方法 收集上前牙种植患者35例, 缺失1颗牙者24例, 连续缺失2颗牙者11例。种植术前戴活动义齿, 术后采用everStick NET强力纤维、复合树脂及人工塑料牙制作唇侧夹板。临床观察3-6个月, 评价夹板使用效果, 综合评价美观、舒适、便利、咀嚼功能, 评价邻牙菌斑指数及龈乳头高度。 结果 ①35例观察3个月, 其中33例(94.3%)夹板不松动, 修复体完好, 2例(5.7%)夹板折断。35例患者中有19例因术中进行骨增量术延长观察期至6个月, 16例(84.2%)夹板无松动, 无明显染色, 3例(15.8%)夹板松动。②采用自身对照, 唇侧夹板组对美观、舒适、便利及咀嚼功能的综合评分明显高于活动义齿组($P<0.05$)。③固定前, 固定后1、3个月邻牙的菌斑指数及龈乳头高度均无明显差异($P>0.05$)。 结论 强力纤维唇侧夹板制作简单、无创、效果可靠、患者满意, 对邻牙菌斑控制无明显影响, 保持了龈乳头的稳定, 对患者的咬合无明显要求, 值得临床推广。

Abstract: Objective To evaluate the effects of fiber-reinforced composite resin (FCR) for labial splinting in upper anterior teeth transitional repair after implant in clinical practice. Methods Fiber reinforcement for labial splinting were manufactured with everStick NET giant of fibers, composite resin and stock plastic teeth. The splinting were applied in 35 cases after implant, 24 cases missing 1 tooth and 11 cases missing 2 teeth in our department from May 2011 to July 2013. Removable partial denture (RPD) was used before implant. After 3 to 6 months, the clinical effects of the splinting, the comprehensive score for beauty, comfort, convenience, chewing function, the dental plaque index and the height of gingival papilla of adjacent teeth were evaluated respectively. Results At 3 months of follow-up, 33 (94.3%) splints had no sign of fracture or surface defect, and 2 (5.7%) were broken. In 35 cases, 16 patients completed the repair in 3 months, and 19 patients had to prolong the observation for another 3 months due to intra-operative bone augmentation. At 6 month follow-up, 16 (84.2%) splints out of 19 had no sign of fracture, surface defects or pigmentation, and 3 (15.8%) were debonded. Compared with the RPD, patients were more satisfied with the labial splinting in aspects of beauty, comfort, convenience, and chewing function ($P<0.05$). The plaque index and gingival papilla height of adjacent teeth showed no significant difference at before, and in 1 and 3 months after application ($P>0.05$). Conclusion The fiber reinforcement for labial splinting has the advantages of simplicity, non-invasion, reliability, satisfying

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to application, has no effect on plaque index and gingival papilla height of adjacent teeth and gum, and meets the requirements of patients with various occlusion situation. So, the FCR is worth of recommending in clinical practice.

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