

## ·基础与临床研究·

# 生物功能性修复系统应用于下颌低平牙槽嵴的修复效果初探

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**【摘要】目的** 比较生物功能性修复系统(Bio-functionnal Prosthetic System, BPS)和传统方法对下颌低平牙槽嵴修复效果的影响。**方法** 选择10例口腔系统基本正常, 下颌牙槽嵴重度吸收的无牙颌患者, 分别采用BPS和传统方法进行全口义齿修复, 随机选择戴用顺序, 在修复后1、3、6个月后分别对义齿的固位力、咀嚼效能进行测定, 并在戴用义齿1个月时进行满意度问卷调查。**结果** 在修复后1、3、6个月, BPS全口义齿的下颌义齿固位力高于传统全口义齿, 差异具有统计学意义( $P<0.05$ ); 2种全口义齿吸光度值作比较, 在各个检测时期, BPS组吸光度值保持稳定, 均高于传统全口义齿( $P<0.05$ ), 传统全口义齿在3个月和6个月后吸光度值有所回升, 与第1个月相比具有统计学意义, 但仍低于同时期的BPS组( $P<0.05$ ); 问卷调查显示, BPS组的主观满意度明显高于传统组; 6个月后, 10位患者均表示BPS全口义齿更舒适, 不容易脱落。**结论** 采用BPS完成的义齿修复应用于下颌低平牙槽嵴的无牙颌患者时, 能取得更好的修复效果。

**【关键词】** 下颌低平牙槽嵴 生物功能性修复系统 固位力 咀嚼效能

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## Evaluation of the effect of Bio-functionnal Prosthetic System on the restoration of mandibular low-level alveolar ridge

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**【Abstract】Objective** The aim of this study was to compare the effects of Bio-functional Prosthetic system (BPS) and traditional methods on the restoration of mandibular low-level alveolar ridge. **Methods** Ten edentulous patients with normal oral and maxillofacial system and severe absorption of alveolar ridge were selected. BPS and traditional methods were used for complete denture restoration. Random selection of wearing order, Retention and masticatory efficiency of dentures were measured 1, 3 and 6 months after restoration. Satisfaction questionnaires were conducted at 1 month after wearing dentures. **Results** At 1, 3 and 6 months after restoration, the retention of BPS complete denture was higher than that of traditional complete denture ( $P < 0.05$ ). The absorbance values of two kinds of complete dentures were compared. The absorbance values of BPS group remained stable in each testing period, which was higher than that of traditional complete dentures ( $P<0.05$ ). The absorbance of the traditional

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