

## ·基础与临床研究·

## PAR 指数评价萌出诱导器对混合牙列中期错殆的矫治疗效

杨 雪 汪 俊

(上海交通大学医学院附属第九人民医院·口腔医学院儿童口腔科,  
国家口腔疾病临床医学研究中心,  
上海市口腔医学重点实验室, 上海市口腔医学研究所, 上海 200011)

**【摘要】目的** 采用 PAR 指数研究萌出诱导器对混合牙列中期错殆畸形患者的矫治疗效。**方法** 采用前瞻性队列研究设计, 纳入混合牙列中期牙列轻度拥挤、安氏 I 类或 II 类患儿 56 例。试验组 (29 例) 采用萌出诱导器进行矫治, 直至上前牙排齐; 对照组 (27 例) 不作处理, 仅随访观察。采用 PAR 指数评价试验组治疗前后、对照组随访前后模型数据。**结果** 试验组患者矫治后 PAR 加权后总分减少率为  $67.49\% \pm 13.47\%$ , 对照组随访前后 PAR 加权后总分减少率为  $18.69\% \pm 12.99\%$ 。两组患者在前牙排列、磨牙关系、覆殆覆盖关系改善上的差异均存在明显统计学意义 ( $P < 0.05$ )。**结论** 萌出诱导器可以改善混合牙列中期患者上下前牙排列, 纠正磨牙关系, 明显减少患儿覆盖。

**【关键词】** PAR 指数 混合牙列中期 萌出诱导器 错殆矫治 疗效

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## Evaluation of early orthodontic treatment effect with eruption guidance appliances on the middle-mixed dentition patients by PAR index

Yang Xue Wang Jun

(Department of pediatric dentistry, Shanghai Ninth people's Hospital, College of Stomatology, Shanghai Jiao Tong University School of Medicine; National Clinical Research Center for Oral Diseases; Shanghai Key Laboratory of Stomatology & Shanghai Research Institute of Stomatology, Shanghai 200011)

**【Abstract】Objective** The aim of this study was to evaluate the effectiveness of early orthodontic treatment in middle-mixed dentition patients with eruption guidance appliances by peer assessment rating (PAR) index. **Methods** A prospective cohort study was carried out to investigate 56 middle-mixed dentition cases which were Angle Class I or Angle Class II with mild crowding. The treatment group (29 patients) received early orthodontic treatment with eruption guidance appliances until alignment of anterior teeth. And the control group (27 patients) received no treatment except follow-up observation. The PAR score of the 56 patients was used to evaluate the casts made before and after treatment/observation. **Results** The mean reduction of the weighted PAR score in the treatment group was  $67.49\% \pm 13.47\%$ , and the mean reduction of the weighted PAR score in the control group was  $18.69\% \pm 12.99\%$ . There was significant difference in the anterior upper and lower labial segment alignment, molar relationship, overbite and overjet ( $P < 0.05$ ) between the two groups. **Conclusions** The eruption guidance appliance was effective for middle-mixed dentition patients, which can result in significant improvement of upper

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通信作者: 汪俊, Email: wangjun202@126.com