·基础与临床研究·

粘接间隙对变色牙全瓷贴面颜色效果的影响

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【摘要】 目的　比较不同粘接间隙的全瓷贴面与理想色之间的色泽匹配度，为变色牙行全瓷贴面修复提供参考依据。**方法**　采用三维技术精确设计 4 种粘接间隙（0.05 mm，0.15 mm，0.30 mm，0.50 mm），制成 0.5 mm 厚度 A2 色低透明度铸瓷贴面模型各 10 片。用 ND9 牙本质代型材料模拟变色牙，漂白色试色糊剂代替树脂粘接剂，模拟变色牙瓷贴面修复后效果，测量修复后瓷贴面的颜色参数明度 *L*、饱和度 *C* 以及色相 *a*、*b* 值，将其与理想色 A2 进行比较，并分析各组贴面与理想色 A2 之间以及各组贴面之间的色差 Δ*E*。**结果**　（1）随着粘接间隙增大，*L* 值明显增大，*C* 值明显减小，*a*、*b* 值呈减小趋势；（2）4 种粘接间隙下瓷贴面与理想色的饱和度及色相均有显著性差异，除 0.15 mm 组，其余三组与理想色的明度也有显著性差异；（3）0.15 mm 粘接间隙下的瓷贴面与理想色之间的色差 Δ*E* 最小；（4）4 种粘接间隙下，瓷贴面与理想色之间的色差 Δ*E* 均大于 2。**结论**　（1）变色牙全瓷贴面修复后的颜色参数可随着粘接间隙的改变而明显改变；（2）变色牙基牙色为 ND9 色并采用漂白色粘接低透明度铸瓷贴面时，0.15 mm 粘接间隙可产生更接近理想色的颜色效果；（3）变色牙行贴面修复时，改变粘接间隙可以改善最终颜色效果，但仍与理想色存在着肉眼可辨识的色差。

【关键词】 粘接间隙　变色牙　瓷贴面　颜色效果

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Influence of bonding gap on the color effect of all-ceramic veneer for discolored teeth

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【Abstract】 Objective　The aim of this study was to compare and evaluate the color matching between the all-ceramic veneer with different bonding gap and the ideal color, to provide a clinical reference for all-ceramic veneer restoration of discolored teeth. **Methods**　Veneer models with different bonding gap (0.05 mm, 0.15 mm, 0.30 mm, 0.50 mm) were accurately designed and fabricated by 3D technology, 10 specimens of A2 low-transparency lithium-disilicate pressed glass ceramic veneers with 0.5 mm thickness were made in each group. Nd9 dentin substitute was used to simulate discolored teeth, and Bleach XL try-in paste was used as the replacement of composite adhesive. The final color parameters of veneers with ND9 abutment colors were measured and

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