



Factors influencing abutment selection in esthetic dental implants: A case report

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Abstract

The aim of case report was to investigate the suitable color of abutment by measuring the optical effects of six different neck colors of temporary abutment that transmitted through the peri-implant mucosa at the upper right central incisor implant. The six commercial temporary abutments were covered by resin composite shade A1, A2, A3, A3.5, A4 and pink. The color different were measured by the colorimeter, ShadeEye NCC, after the peri-coronal tissue is fully developed. The color of peri-implant mucosa of the implant site and natural tooth were compared for color difference index (ΔE). The result showed that the optimized implant neck color in this case report was shade A3. Thus, the final restoration is computer-aided design and computer-aided manufacturing (CAD/CAM) zirconia abutment, ATLANTIS, shade A3 and the lithium disilicate glass ceramic crown (IPSe.max Press)

Keywords: anterior implant restoration, ATLANTIS, gingival color, implant in the esthetic zone, peri-implant mucosa, single-tooth implants

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