

بسم الله الرحمن الرحيم

رب اشرح لى صدرى
ويسر لى امرى
وأحل عقدة من لسانى يفقهوا قولى

صدق الله العظيم

EFFECT OF CERAMIC AND CEMENT SHADES ON THE COLOR OF CERAMIC VENEERS

THESIS

Submitted to the faculty of oral and dental medicine, Cairo University in
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By

Heba Abd El Tawab Mohamed

B.D.S., Cairo University
Faculty of oral and dental medicine
Cairo University

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صدق الله العظيم

تأثير ظلى الخزف و الأسمنت على لون القشور الخزفيه

رساله مقدمه من

الطبيبه/ هبه عبد التواب محمد

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الأستاذ الدكتور / أمينه عبد اللطيف زكى
أستاذ بقسم الاستعاضات السنية المثبتة
كلية طب الفم والأسنان
جامعة القاهرة

الأستاذ الدكتور / محمد لبيب زمزم
أستاذ بقسم الاستعاضات السنية المثبتة
كلية طب الفم والأسنان
جامعة القاهرة

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INTRODUCTION

The ultimate goal of the restorative dentistry is to restore a missing tooth structure to its natural form, function, and appearance to positively impact the patient's self-esteem, especially with increased interest and public awareness of esthetic consideration.⁽²²⁾ Esthetics and the ability to maintain esthetic appearance over time are among the major attributes of final restoration.

Success of ceramic restorations from the esthetic point of view is completely dependant on the harmony between the restoration and the patient's natural dentition. Such harmony is evolved by the esthetic triad of form, texture, and color.

The color of a natural tooth is a combination of its optical properties, and its reproduction using ceramic restoration is quiet difficult, for it is difficult to select, communicate, reproduce and evaluate objectively.⁽¹⁵⁾

Matching the color of ceramic restoration with the color of natural teeth is a matter of both art and science through complete understanding of color system and precise shade selection. This is complicated by the limitations of the shade guides themselves and by the sources of light used.

Proper shade selection for ceramic restoration is a demanding task even for experienced dental practitioners, as traditionally the selection has