

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ





شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

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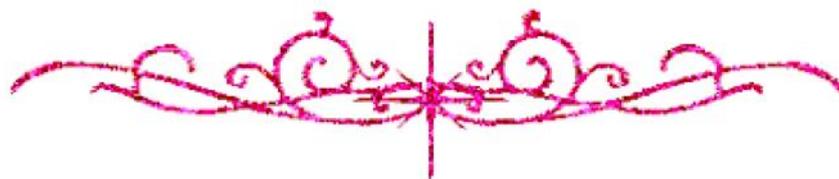


بعض الوثائق الأصلية تالفة





بالرسالة صفحات لم ترد بالأصل



**"Marginal fit of zirconia-reinforced
lithium silicate laminate veneers with
different thicknesses using two
Fabrication Methods"**

Thesis

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قَالَ

سَبَّحَانَكَ يَا مُعَلِّمَ لَنَا
إِلَّا مَا عَلَّمْتَنَا إِنَّكَ أَنْتَ
الْعَلِيمُ الْعَظِيمُ

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INTRODUCTION

Ceramic laminate veneers have gained fame and are now applied in daily practice for their esthetics, durability, and biocompatibility have made them useable as an option for the restoration of anterior teeth. Their use, long been considered just an aesthetic treatment, has recently expanded, mainly due to the superior mechanical properties of new glass ceramics and to the improvement of the cementation strategies. Ceramic laminate veneers of minimum thickness provide satisfactory esthetic results and biocompatibility. Minimally invasive treatment options can be considered and chosen based on documentation, casts, and photographs. Some points should be considered to obtain success in the case: planning, type of preparation, selection of materials, and the continued maintenance of the restorations.

Successful ceramic laminate veneers depend on factors such as mechanical strength, bonding properties, and marginal and internal fit. Fit is measured by the intimate contact between the veneer and the prepared tooth.

Marginal fit is the distance between the finish line and the restoration margin which considered one of the major factors affecting the long term prognosis of ceramic restorations. It is affected mainly by the edge thickness and fabrication techniques.

CAD/CAM technology has become an established fabrication process for dental restorations, especially all ceramic restorations. CAD CAM restorations can be fabricated with subtractive or additive techniques. After completing the restorations design, processing of the data calculated automatically and computer aided milling machine is used.