

32. A comparative evaluation of marginal and internal fit of complete cast crowns fabricated by using three different indirect methods of wax pattern construction by silicone replica technique-an in vitro study

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A comparative evaluation of marginal and internal fit of complete cast crowns fabricated by using three different indirect methods of wax pattern construction by silicone replica technique-an in vitro study. . Institution: dr d. Y. Patil dental college and hospital, pimpri, pune.. City: pune. . Mobile no. 9168354646. Email id: swpnl31@gmail.com. . Abstract:. Precise marginal seating is more important in dental restoration to fulfill biological, physical & cosmetic requirements. Precise fit of the restoration margin to the preparation finish line is also necessary to prevent gingival inflammation, secondary caries and an important indicator of the overall acceptability of the cast restoration. The optimal marginal fit of a dental prosthesis is essential for its long-term success in oral cavity.. Many factors affects the fit of

dental castings e.g. tooth preparation, impression materials, pattern wax, die stone, casting investment, luting cement etc. The accuracy of the wax pattern is of major importance for obtaining a well-fitting casting.. There are different methods of fabrication of wax pattern and they give variations in their marginal fit. So it is important to the know the precisely fitting restorations and which will prolong the life of the same prosthesis.. The purpose of this in-vitro study is to evaluate the marginal & internal fit of castings fabricated by using three different indirect methods of wax pattern construction.

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