

The Preparation Faults Manifesting As Finish Line Defects

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Statement of problem:The finish line is the final margin that separates between the prepared and the unprepared tooth structure. The finish line should be smoothly continuous from one surface to the other of the tooth. The margin is very critical area from where the most restoration failure may occur.

Marginal integrity of the restoration means its margin should closely adapt to the cavosurface finish line of the preparation. The proper finish line preparation following the principles is an important element for marginal integrity of the restoration.

Objectives of the study: The aim of this study to evaluate different finish line defects due to fault preparation.

Material and Methods: 175working casts with different finish line defects(common errors and mistakes happens in the finish line) were collected from various dental laboratories in Benghazi. The working casts were classified intofive groups according to the type of the finish line defect. . The collected data have analyzed statically.

Results: The percentage for incidence of each group were as follow Group (1) = 30%, Group (2)=24%. Group (3) =16%. Group (4) = 22% and Group (5) = 8% .The unidentifiable or light finish line group was the highest percentage occurrence.

Conclusion: The careful preparation of the finish line is an essential critical role in determining the long term-viability of not only the restoration itself but also the adjacent supporting tissues.

Keywords: Finish Line (FL), Marginal Integrity (M I), CavoSurface(CS).