

Conservative Approach for Restoration of Traumatized Anterior Teeth

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I. Introduction

It is important to provide each patient with a suitable treatment plan in a timely manner. Treatment plans should be formulated carefully with priorities. However, in the case of a patient who needs multiple treatments, deciding what to do first is a quite difficult issue for inexperienced practitioners. This clinical case describes how to determine treatment order for a patient who was injured her anterior teeth by an accident.

II. Case Presentation

1. Chief Complaint: 1) Discomfort after traumatic injury on anterior teeth (a month ago)
2) Unsatisfied with discoloration of anterior teeth
2. Sex/age: F/47
3. Past Medical/Dental history: 20 years ago, direct resin restoration on #12-22
4. Present Illness: 1) P/R(+), cold(+), air(+), EPT(-) on #22
2) Crown fracture w/o pulp exposure on #11 w/ Mo(+)
3) Secondary caries on #11, 12, 21 w/ HPSS on air(+), ice(+)
5. Diagnosis: 1) Periapical granuloma on #22
2) Crown fracture on #11 w/o pulp exposure
3) Secondary caries on #11, 12, 21
6. Tx plan: 1) Endodontic treatment and resin core on #22
2) Class IV restoration on #11
3) Class III restoration on #11, 12, 21

III. Discussion and conclusion

The most crucial aim of dental treatment is to provide a patient a normal masticatory system with adequate function, free from active disease or discomfort condition, and esthetic harmony. If a clinician expects his patient's best recovery, it is of utmost importance that proper treatment plan should be given right time. Careful history taking and clinical examination should allow a practitioner to build an effective treatment plan. Setting priorities among multiple treatments options, however, is a tough decision for dental undergraduate. Therefore, in this case, direct resin restoration for a crown fracture and endodontic treatment came high on the list of priorities. And then, class III restoration for secondary caries could be done. As a result, the patient's anterior teeth restored functionally and esthetically.