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Office bleaching of vital teeth with laser (review of literatures)

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Introduction: The use of laser irradiation for teeth bleaching have been accepted recently. The procedure can be completed in one appointment and clinician allows to focus on one tooth or selected parts of tooth. The aim of this study is to summarize and discuss the available information concerning the efficacy, effects and side effects of activated bleaching procedures.

Experimental Methods: Information from all original full articles listed in PubMed or ISI web of science with key words: bleaching teeth with laser, light activated bleaching, papers published between years 2010 to 2017 was entered to this study.

Results & Discussion: Data collected from these papers showed that bleaching teeth with activation may have some side effects on pulp. It may increase pulp temperature to a critical value.

Conclusion: Application of activated bleaching procedures is effective but it may have some side effects. So, clinician must consider physical, physiological and patho-physiological implications.

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