

A Comparative Study of Managing Anxious Child Patient Using Audio and Audio-Visual Distraction (AVD) Techniques

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Abstract

Background: Pediatric patient's behavior management is an essential part of pediatric dental practitioners. For this distraction techniques play an important role. In the present study management of child patient with audio and audio-visual distraction techniques were compared. **Methods:** The child patients were divided into 3 groups with 30 patients in each group. The 1st group (group I) consisting of control group received treatment with no help of any distraction aids. In 2nd group child receiving audio distraction aids and in 3rd group child receiving audio-visual distraction aids were placed. Each child had 3 dental visits, diagnosis, prophylaxis visit and treatment visit including extraction or restoration. Anxiety levels in child patients were studied with the help of three parameters Venham's rating of clinical anxiety, pulse rate and oxygen saturation. Statistical analysis was performed with the help of IBM SPSS version 20 using One-way ANOVA test. **Results:** On comparison of the scores on diagnosis, prophylaxis and treatment visit in different groups, it showed highly significant (One-way ANOVA, $p < 0.001$) increase of the Venham's anxiety scale and pulse rate, while scores of the oxygen saturation showed significant increase (One-way ANOVA, $p < 0.05$) for all the visits. **Conclusion:** The present study concludes that audiovisual distraction technique is very useful as a method of distraction technique than the audio distraction technique alone.