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**Title:** Comparing of Child to Child with trainer to child educational approach Based on Health Belief Model (HBM) for Dental Plaque Control among elementary students of Sanandaj in 1388.

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**Abstract:**
Background: Dental health problem among elementary students is a social and health problem which results in un-recoverable social, economical, cultural and health effects. This research is aided to improve Dental Plaque Control among elementary students in Sanandaj city by using theory of health belief model (HBM) and peer education approach.

Method: This is quasi experimental research by choosing three primary school randomly and assign first to child to child group (n=30) and second to trainer group (n=30) and assigning third to control group (n=30). For each of three group, two questionnaires had been filled before and two month after implementing education and all of students had visited by dentist two time (before and after educational program). The educational programs were based on health belief model (HBM) and were about knowledge on Dental Plaque & side effect of Dental Plaque & how we can control it? This program was carry out based on child to child approach and was a peer education program.

Results: There were no statistical significant difference for mean score of knowledge (p-value = 726/0), Perceived Susceptibility (p-value = 785/0), Perceived Benefits (p-value = 898/0), Perceived Barriers (p-value= 950/0) and Dental Plaque Index (p-value= 364/0) among child to child group and trainer group. But there was a better practice of a child to child group in Perceived Severity (p-value= 002/0) and increasing use of toothbrush among students.

Conclusion: The final Statistical analyses showed that in dental plaque control which was the main goal of the research, the child to child group had effective as good as the trainer group, however in many parts of health belief model there were no statistical significant difference between child to child and trainer group. So it is recommended to use child to child approach for many health educational programs.

**Key word:** Health education, Health Belief Model, Dental Plaque Index, Child to Child Approach

**Presentation:** Poster