

Daylong effect of tooth brushing or combination tooth brushing and tongue cleaning using antiplaque toothpaste on volatile sulphur compound levels./ Indriasti Indah Wardhany, Gus Permana Subita, Titiek Setyawati, Abdul Muthalib

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Abstrak

Objective: to determine the daylong effect of Antiplaque toothpaste active compound and the effect of tooth brushing or combination of tooth brushing and tongue cleaning on Volatile Sulphur Compounds (VSC) levels. Methods: Clinical experimental double blinded microbiological and clinical oral examination. Subjects mainly from dental faculty student with or without a chief complain of halitosis. One hundred and twenty subjects were divided into four groups that consist thirty samples each group. Two group are treatment groups using Antiplaque toothpaste and two groups are control groups using placebo toothpaste. The daylong effects of VSC levels are measured by Halimeter and organoleptic. The intra oral status were measured including periodontal status and tongue index, result: There are a reducton of VSC levels in booth treatment and control group, but the reduction only significant in group using Antiplaque toothpaste (Willcoxon signed rank test, $p < 0,05$). There are a reduction of VSC levels in both treatment using Antiplaque toothpaste, but the combination of tooth brushing and tongue cleaning reduced VSC levels significantly lower than tooth brushing treatment (Mann Whitney U test, $p < 0,05$). CONclusion: Tooth brushing and combination of toothbrushing and tongue cleaning using Antiplaque toothpaste significantly reduced VSC levels.