

## The effectiveness of assistant dental hygienist in a complex of health care to children of school age

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### Abstract

The role of assistant dental hygienist in health care you receive at present not fully elucidated and the status of the specialist is not defined. Meanwhile international experience confirms the great need for such specialists, especially during prevention programs. The aim of our study was the evaluation of the effectiveness of assistant dental hygienist during dental epidemiological survey and rehabilitation of children in organized school children's groups. **Material and methods.** We conducted an epidemiological survey 156 first-graders schools on how the World Health Organization defined rehabilitation expenditures of labor for each crew member on how O.V.Udovytskoyi with co-authors, subject to the Branch Medical and economic standard. **Results.** Among the 156 children of the first class were 78 boys and 78 girls from 6 to 9 years. Anomalies of maxillo facial area light condition were found in 63.88%, average - at 36.10%. Prevalence of dental caries was high and reached 98.49%. Index carious sealed removed deciduous teeth was 5.45, which corresponded to its highest level in the structure of a 725+1+82. carious sealed removed permanent teeth equal to 0.66, which corresponded to a low level of damage in the structure 89+0+0. Index carious sealed removed permanent + carious sealed removed deciduous teeth was high and reached 5.23 at the structure of a 816+1+82. Treatment required 290 teeth, of which 102 with uncomplicated and 188 complicated with caries. Remove subject to 526 primary teeth. As of periodontal tissue treatment required 17 segments. Schiller-Pisarev test was positive in 18 children. Status of oral hygiene index by first-graders hygiene was poor (2.37 points per

Fedorov-Volodkinoy, and 1.95 points for the Green-Vermilionom). Over the course of the activity of caries process to a group of subjects compensated process was assigned 48 children (30.77%), compensated 24 children (15.38%), and uncompensated 80 students (51.28%). Of the 156 first-graders only 4 (2.56%) had intact teeth. Brigade of reorganization for first-graders consisted of three dentists: children, the surgeon and orthodontist, one assistant, hygienist and one nurse. Having regard to the Branch Medical and economic standard outpatient dental care by the method O.V.Udovytskoyi, we had made the calculation of the term for each of the experts. For pediatric dentist he was 63 days, the surgeon - 40 days orthodontist - 15 days. Working assistant dental hygienist was calculated for 80 days. Conventional units of work to assess the expenditures of labor by industry standard hygienist and his professional competence as follows: 0.5 arbitrary units of work - the original and re-examination of the patient; 1,0 arbitrary units of work - review of oral hygiene and identification codes; 0,25 conventional units of work - determination of optical parameters of hard tissue of teeth; 0,5 arbitrary units of labor - definition of impedance of dental hard tissues; 0,75 conventional units work - remove soft plaque; 4,0 conventional units work - remove tartar from all tooth for 2 -4 visiting instrumental way; 3.0 arbitrary units of work - removal of tartar using ultrasound apparatus; 3.0 arbitrary units of labor - of occupational health; 1.0 arbitrary units of work - teaching hygiene; 0.5 arbitrary units of work - control for hygiene; 1.0 arbitrary units of work - teaching children; health education activities, counseling mothers;

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0.5 arbitrary units of work - local application remineral drugs; 1.0 arbitrary units of labor - fluoridation teeth; 0.5 arbitrary units of labor - fissure sealant coating; 1.5 arbitrary units of work - overprinting bandages in periodontal disease; 1.0 arbitrary units of work - treatment of damaged oral mucosa; 1.0 arbitrary units of work - learning the rules of muscles-gymnastics for children and parents, normalization and control functions of chewing, swallowing and breathing, the elimination of para-and dysfunction of facial and muscles. If the school nurse sanitary education can be carried out after instructing her hygienist for

methodological advice of a doctor. *Conclusions.* The results of epidemiological surveys first-graders shows a significant prevalence of children caries process and the poor hygienic condition of their mouth. Available in sanitation team assistant dental hygienist will greatly increase the time children's dentist and orthodontist to perform their duties, to improve the quality of preventive and sanitary-educational work on hygiene, muscles-gymnastics, nutrition among schoolchildren and their parents.