

entered into the *first* (e.g. or the *basic*) group. So, the patients of the *second* group refused from the offered surgical correction methods, and then, the orthodontic treatment by the generally accepted methods has been conducted for them.

So, the bone tissue loss has been evaluated, as in the vertical, well as in the vestibular – lingual directions.

So, the obtained research results had been shown, that the postextractional spaces alveolar crest defect size in the *first* group was made up  $0,19 \pm 0,11$  mm in the vertical direction; it was made up  $0,9 \pm 0,12$  mm in the vestibular one, and it was made up  $0,78 \pm 0,11$  mm in the lingual one. At the time, as all these indices had been made up in the *comparison* group:  $2,95 \pm 0,5$ ;  $1,9 \pm 0,23$  and  $2,05 \pm 0,26$  mm, correspondingly. Thus, the defect size at the patients of the *basis* group was quite less, than in the *comparison* group.

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#### GASTROENTEROLOGICAL PATHOLOGY OF CHILDREN WITH GOITER

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In clinical practice plenty enough of information is accumulated that deficit of thyroidin hormones be what degree negatively influences on child's organism, is the factor of high risk of violation of growth and development for children, forming of chronic pathology and growth of socially meaningful illnesses. Consequently high-frequency of endemic goiter among child's population and decline of function of thyroid gland subject to the condition iodine deficit show by itself a serious threat to the somatic (specifically gastrointestinal tracts) and psychical health. As Kuban behaves to territories with the deficit of iodine, remonitoring of deficiency iodine diseases for children that development of modern approaches to their prophylaxis is both social and medical the issue of the day. To examine prevalence and structure of gastroenterological pathology of children with goiter. The program of inspection foresaw the statistical analysis of school age children's case report with pathology of gastrointestinal tract, with the selection of clinically instrumental and laboratory researches. Determination of concentration of iodine in urine of children from the different climate-geographical areas of Kuban showed that in most children excretion of iodine with urine is reduced. General frequency of goiter for the children of Kuban from data of palpation research is 53,3% of degree prevails for girls, for certain high-frequency of goiter and predominance of his heavy degrees it is registered for

the children of mountain area of dwelling. 34,6% children of basic group (with the different degrees of goiter) were characterized the changes of indexes of thyroid type of, which go out outside age-old parameters, 18,8% have signs of subclinical hypothyroidism. Children from the mountain area of dwelling had the most wide vibrations of maintenance of hormones of the hypophysial-thyroid system. In the structure of gastroenterological pathology among children with the goiter of 1-2 degrees first place has chronic gastroduodenitis – 86,6%. Characteristic of this pathology is a decline of amount of hypertrophic gastroduodenitis with the displays of lymphofollicular hyperplasia, increase of erosive destructive affection of gullet, stomach and duodenum. Classical basic therapy does not give a positive clinical result and prolonged effect. Pays attention on itself increase of frequency of gastric and duodenum ulcers. In 88,7% of sick children with pathology that is associated with *Helicobacterium* that it is confirmed with express method and cytological research. Among concomitant pathology of this contingent of children the pathological changes of liver (67,7%) of different level of affection prevailed often in combination with affection of the bile-excreting system, kidneys and intestine. More than half of children had allergic affection: allergic dermatitis and food allergy. At the same time ultrasonic research of sign of dyspancreatism was registered in 90% of children with gastroenteritis pathology. We consider such state as reactive involvement of pancreas to the pathological process in connection with the uneven arcade of bile in duodenum because 87% of children were found with various deformations of gallbladder. Thus, there is considerable growth of gastroenterological pathology among school age children that live in the zone of endemic goiter.

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#### PSYCHOSOMATIC DISORDERS OF CHILDREN WITH DUODENAL ULCER

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The main factor of pathogenesis of disease at emotional stress is an accumulation in fabrics of free radicals, those results in lipid peroxidation of membranes of different cages, especially neurons of cerebrum. Thus in central nervous system especially in the structures of limbic-reticular complex, there are changes of sensitiveness of neurons to neuromediator and oligopeptidis. It, in the turn, leads to forming of stagnant emotional excitation in central nervous system, which results in proof violation of mechanisms of self-regulation of arte-