STATE OF ORAL CAVITY IN LIQUIDATORS OF CHERNOBYL ACCIDENT CONSEQUENCES

Revenok B.A.
A.A. Bogomoletz's National Medical University, Kiev, Ukraine

Under conditions of the hospital, during 1995-1997 150 people aged from 29 to 45, who took part in liquidation of consequences of an accident at Chernobyl and received the influence of ionizing radiation were studied. 53 people in 1986 had an acute radiation sickness.

All explored patients had significant pathologic changes in the hard tissues of teeth, mucous membrane of oral cavity and especially in tissues of parodontium.

The high lesion of parodontium by generalized parodontitis (in 100% cases), mainly of II - III degree severity was established.

The generalized parodontitis in present category of explored persons was characterized mainly by chronic, areactive course with pronounced uneven resorption of the bane and predominance of dystrophic processes in parodontium over inflammatory ones; it caused the sharply progressing development of traumatic occlusion and massive loss of teeth by such patients.

The harsh oppression of local immunity of tissues of parodontium (lowering of positive indices of meaning of RAM and content of alive forms of leukocytes in the test by M.A. Yasinovsky), accompanied by abundant microbe dissemination of parodontial pockets by yeast-like fungi, spirochete, trichomonas and spindle-shaped bacilli was marked.

For all this the lesion of vessels of microcirculatory bed of gingiva was harshly marked; it manifested by significant stomatorrhagia, heightened fragility and permeability of vessels of parodontium (vacuum test by Kulazhenko).

The manifested disorders of processes of peroxide oxidation of lipids and antioxidant protection in blood serum and mixed saliva of observed persons were established.

The scheme of general and local therapy with involving in this complex of antioxidant drugs and applicational sorbent "Imosgent", which permitted to shorten the terms of treatment, to normalize the permeability of vessels, to improve the indices of non-specific resistance and state of system of free-radical oxidation in mixed saliva was elaborated.