

s 2012 0100

The invention relates to medicine, in particular to dentistry and can be used for the prevention of dental caries in children with intellectual disabilities.

Summary of the invention consists in the fact that the teeth surfaces are repeatedly irradiated with laser radiation of a wavelength of 0.85...0.98  $\mu\text{m}$ , a frequency of 2000...3000 Hz, a pulse power of 5 W, for 30...60 sec, and on the irradiated surface is applied a drug for deep fluoridation of enamel and dentin, which includes a solution containing fluorine ( $\text{F}^-$ ) and copper ( $\text{Cu}^{2+}$ ) ions, as well as a suspension, containing finely dispersed calcium hydroxide in distilled water, at the same time after the first irradiation on the irradiated surface are applied 1...3 drops of said solution, and after the second course of irradiation are applied 1...3 drops of the same suspension, after which is carried out the third course of irradiation in the same regime, the preventive course is carried out 2...5 times a year.

Claims: 1