Fluoride Concentration in Superficial Enamel Layers of Permanent Teeth in Children Residing in Areas with Different Levels of Environmental Pollution with Fluorine Compounds

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The concentration of fluoride in superficial layers of enamel of permanent teeth was studied in 14-year-old children residing in Szczecin and Białystok—two cities differing regarding the level of environmental fluorine pollution. It was found that higher environmental pollution with fluorine favors the accumulation of this element in superficial layers of enamel in the form of structural fluoride. Total and structural fluoride concentration decreased with layer depth.

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