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(54) METHOD FOR DETERMINATION OF MANGANESE TOXICITY IN CHILDREN BEING RESIDENTS OF TECHNOGENICALLY-LOADED TERRITORIES

(57) Abstract:

FIELD: medicine.

SUBSTANCE: whole blood is examined for a manganese level and two laboratory values, namely: a plasma antioxidant activity level and a plasma malonic dialdehyde content. Further, the correlation analysis of the specified laboratory values and the blood manganese level is performed, and if observing the authentic dependences simultaneously: the high

blood manganese level - the low blood plasma antioxidant activity level, the high blood manganese level - the high blood plasma malonic dialdehyde level, the low blood plasma antioxidant activity level - the high blood plasma malonic dialdehyde level, manganese action is considered to be toxic.

EFFECT: higher accuracy and information value of the determination procedure.

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