
Study of the relation between some heavy metals in hair and changes in iq and psychological behavior in children

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Determination of trace element levels in hair has been a subject of continual interest in biomedical and environmental sciences. The pgnificance of such measurements as an indices for assessing nutritional status, diagnosis, intoxication and monitoring environmental exposure. Hair is a good non-invasive method which should be used in screening studies of children living in heavily polluted area.

Analysis of hair is potentially more attractive means of assessing long erm exposure. In an attempt to evaluate some trace elements in 75 patients attending the psychiatric clinic of the new children hospital cairo university aged from 7-14 years. These patients were divided into 3 groups as follows :-1- 25 patients with mild mental sub-normality. 2- 25 patients with moderate mental sub-normality. 3- 25 patients with psychological disorder.