



Mercury Level And Some Physiological Problems In Dentists

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ABSTRACT

Estimation of mercury level was carried out in the saliva and blood samples of dentists in relation to the number of amalgam filling in their mouth and comparing it to a control group who were not dentists and had no amalgam fillings in their mouth and to which extent it may lead to physiological problems. A case control study, a total of 141 subject were divided into 90 patients and 51 persons control group. The patients were dentists with or without amalgam fillings in their mouths working at the Specialized Center for Dentistry and the Dental Units in Primary Health Care Centers in Hilla city, Babylon Governorate, Iraq from November, 2012 to March, 2013. Patients distribution consisted of (11 patients) had no amalgam filling in their mouths, (13 patients) had one amalgam filling in their mouths, (31 patients) had two-four amalgam fillings in their mouths and (35 patients) had more than five amalgam in their mouths and the control group consisted of (51 healthy person) who were not dentists and with no amalgam filling, chosen as healthy, without any history of exposure to mercury previously. There is slight positive correlation between Hg level in relation to age, number of amalgam filling and duration of Job. Physiological problems such as allergy, constipation, numbness, ringing in ears, muscular spasm, fatigue and amnesia show there is a clear increase among most groups compared to the control group.

Keywords: Mercury level, Physiological problems in Dentists.
