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Effective of different factors on trace elements concentrations in Iraqi lactating mother's milk

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Abstract: Study aims to determination some trace elements in lactating mothers human milk and study effect different factors on its concentration, Age , Body mass index, Home and Smoking habitat, atomic absorption flame less used to measured (Mn, Cd, Co and Zn) in 70 sample of lactating mothers milk which digested using tricolor acetic acid 24%. Result show that concentration of these elements increasing than normal value of these elements, Mn was 1801.40, Cd was 114.64, Co was 288.52 and Zn was 212.10. Also factors were studied effect on minerals concentration, increasing age was non effected on minerals concentration, over weight causes increasing it, urban resident causes increasing in Mn concentration while rural residence causes increasing in others minerals, negative smoking habitat causes increasing in Cd and Co concentrations.

Key words: trace element, lactating mother's human milk, atomic absorption.

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