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Thesis Title	Dental Caries and Some Salivary Constituents Among 10 Years Old passive Smokers In Al-kufa City - Iraq			
Year	2015			
Abstract	2015 Cigarettes smoking had many hazardous effects on the general health of humans including the oral health. Thus, passive smokers may be affected by different types of related diseases. Aim of the study: This study was designed to assess dental caries and some salivary constituents among a group of children affected by passive smoking in comparison with control group. Material and methods: The study involved 20 boys and 20 girls of passive smokers aged 10 years old compared to control group represented by the same number, gender and age of children of study group but for healthy individuals, d _{1.4} mfs and D _{1.4} MFS indices were applied (Muhlemann, 1976). Stimulated salivary samples were collected for the measurement of pH and flow rate in addition to the estimation of calcium, phosphorus, magnesium, zinc, amylase activity and total protein by chemical analyses. Results: Caries experience of primary teeth (dmfs) among study group with no significant difference statistically (P>0.05), while no difference regarding dental caries experience of permenant teeth (DMFS) between study and control groups. Salivary calcium, magnesium, total protein, amylase and PH were lower among study group compared with control group with statistical difference which was highly significant(P<0.01), the same result was recorded regarding females between the two groups, while regarding males the same result was recorded exept for total protein and amylase activity as there was no cignificant difference which was highly significant (period).			

group compared with males of control group(P>0.05) and the statistical difference
II
regarding pH was significant. The level of salivary zinc ion
was higher among study group compared with control group
with statistical difference which was highly significant
(p<0.01), the same result was recorded among females while
among males the same result recorded but the statistical
difference was significant (p<0.05). The level of salivary flow
rate and inorganic phosphate was lower among study group
compared with control group with no significant difference
between them (p>0.05).
Salivary calcium was correlated negatively with dental caries
of primary dentition among study group with highly
significant correlation (P<0.01) between ca and m component.
Salivary phosphorus ions was correlated negatively
significantly (P<0.05) with Dsignificantly with dactivity was
correlated positively significantly (P<0.05) with DR3R among
control group and with DR2R among males of control group;
also it correlated positively highly significantly (P<0.01) with
DR3 Ramong males of control group. Salivary PH was
correlated positively significantly (P<0.05) with DRI Rand
DR3R among males of study group and with dR1R among
females of study group, while it correlated negatively $(D < 0.05)$ with dDAD and DDDS among females
significantly (P<0.05) with 0R4R and RD5 among remains
significantly (D<0.05) with DD1D among males of study group
significantly $(1 > 0.05)$ with DKIK among match of study group while it correlated positively significantly ($P < 0.05$) with DS
and DMFS among females of study group a among study
group and with d, among males of study group. Jamong study
correlated positively significantly ($P < 0.05$) with ms among
females of study group. Salivary magnesium was correlated
negatively significantly ($P < 0.05$) with D ₁ among males of
study group and with D_1 and D_2 among females of study
group; also it correlated positively highly significant (P<0.01)
with d_1 among control group and positively 1 and D_3 among
males of control group. Salivary Zinc was correlated
negatively highly significant (P<0.01) with D ₃ among study
group. Salivary total protein was correlated negatively
significantly (P<0.05) with DMFS among control group and
with d ₁ among males of control group. Salivary amylase
III
Conclusion:
Passive smoking was founded to have no effect on dental

Passive smoking was founded to have no effect on dental caries status of the study group rather than it affects a selected salivary constituents. Dental caries were recorded among all subjects of the study and control groups, therefor special oral health, preventive, and educational programs are needed for them.