

## **THE EFFECT OF SMOKING ON PACKED CELL VOLUME (PCV)**

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### **ABSTRACT**

*Smoking is considered one of the most important factors that harm human health, Cigarette smoking causes significant health problems including an increase in the number and severity of respiratory illnesses, decreased physical fitness and potential effects on lung growth and function. 196 samples were studied on a group of smokers and non-smokers who were within the age group of (16-75) years. Out of 192, there were 96 Smokers and 96 non-smokers.  $p \geq 0.05$  The  $p$  values indicate a very significant difference in both smokers and non-smokers, and our results showed  $p$  values for both PCV and Hb  $< 0.003$ , indicating a very significant difference compared to non- smokers. This study aimed to determine the effect of smoking and its effects on the volume of packed cells (PCV) and hemoglobin Hb.*

**KEYWORDS:** *Packed Cell Volume (PCV)*