

THE EFFECT OF CHLORPYRIFOS ON THE AORTA

**REDZUAN NUL HAKIM ABDUL RAZAK
ZUNARIAH BUYONG
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NORLELAWATI A. TALIB**



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THE EFFECT OF CHLORPYRIFOS ON THE AORTA

Atherosclerosis is defined as a slow process of inflammation in medium-sized and large arteries fuelled by deposition of lipid. Classified as one of the major non communicable disease, it is accounted for the health burdens facing by many countries. Chlorpyrifos (CPF) is an organophosphorous insecticide that possesses various human systemic toxicities. The present study is therefore designed to demonstrate the atherosclerosis development in rats' aorta following exposure to CPF. By using powerful tools such as scanning electron microscope and transmission electron microscope, we attempt to visualize ultrastructural alterations of intima layer covering advanced atherosclerotic plaque.

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