THE EFFECT OF CHLORPYRIFOS ON THE AORTA

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NOR ZAMZILA ABDULLAH
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IIUM
Press
Gombak • 2017

First Print, 2017

IIUM Press is a member of the Majlis Penerbitan Ilmiah Malaysia - MAPIM
(Malaysian Scholarly Publishing Council)

Perpustakaan Negara Malaysia Cataloguing-in-Publication Data

Redzuan Nul Hakim Abdul Razak, Zunariah Buyong, Nor Zamzila Abdullah, Norlelawati A. Talib

THE EFFECT OF CHLORPYRIFOS ON THE AORTA/REDZUAN NUL HAKIM ABDUL RAZAK, ZUNARIAH BUYONG, NOR ZAMZILA ABDULLAH, NORLELAWATI A. TALIB

ISBN 978-967-418-731-6

1. 2.
3. I. Title.

610.82

Published & Printed in Malaysia by
IIUM Press
International Islamic University Malaysia
P.O. Box 10, 50728 Kuala Lumpur, Malaysia

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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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ISBN 978-967-418-731-6

9 789674 187316

IIUM Press
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Email : iiumbookshop@iium.edu.my
Website : http://iiumpress.iium.edu.my/bookshop