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Histopathological and Ultrastructural Studies on The Effect of Statins on The Kidney and Skeletal Muscles of Rat

A THESIS

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of the master of Science”**

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DEDICATION

*I dedicate this work to all my family specially to my best lovely, my soul; my **husband** for his patience to complete my work, my **mother** for all her encouragement and her helps in every step of my life, she is the light of my life, and to my sons (**seif & Asser**), for their support, quiet patience and unwavering love. Finally great thanks to brother of my husband to his indirect helping for me.*

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List of Abbreviations

| | |
|--------|-------------------------------|
| ALT | Alanine Amino-transferase. |
| ALP | Alkaline Phosphatase. |
| Bm | Basolateral membranes. |
| BC | Bile canaliculus. |
| BB | Brush border. |
| CL | Capillary lumen. |
| CV | Central vein. |
| CKD | Chronic kidney disease. |
| ML236B | Compactin or mevastatin. |
| CHD | Coronary heart disease. |
| CK | Creatine kinase. |
| CPK | Creatine phosphokinase |
| CYP450 | Cytochrome P450. |
| DCT | Distal convoluted tubules. |
| EA | Endocytic apparatus. |
| E | Endomycium. |
| EC | Endothelial cell. |
| e | Erythrocytes. |
| FPP | Farnesyl pyrophosphate. |
| GPP | Geranyl pyrophosphate. |
| GBM | Glomerulus basement membrane. |
| G | Glomerulus. |
| gl | Glycogen granules. |
| g | Golgi apparatus. |
| HC | Hepatic cells. |

| | |
|------|-------------------------------|
| HDL | High density lipoprotein. |
| IC | Intercalated cell |
| K | Kupffer cells |
| LDL | Low density lipoprotein. |
| L | Lymphocyte. |
| Ly | Lysosomes. |
| MC | Mesangial cells. |
| M | Mitochondria. |
| MB | Muscle bundles. |
| MF | Muscle fibers. |
| N | Nucleus. |
| n | Nucleolus. |
| PL | Parietal layer. |
| P | Podocytes. |
| PC | Principal cell |
| PCT | Proximal convoluted tubule. |
| rER | Rough endoplasmic reticulum. |
| US | Urinary space. |
| VLDL | Very low density lipoprotein. |

