

Citation: Suliman A (2023) Chronic Exposure to Sodium Fluoride Triggers Oxidative Biochemistry Misbalance in Mice Efects on Peripheral Blood Circulation. Biochem Physiol 12: 425.

Furthermore, the researchers observed notable alterations in peripheral blood circulation. Impaired blood ow was observed in the mice exposed to high levels of uoride, a ecting vital organs and tissues. Microscopic analysis revealed endothelial dysfunction, reduced vasodilation capacity, and increased platelet aggregation, all of which can contribute to cardiovascular problems and circulatory disorders.

Meç a, , , .

e precise mechanisms underlying the observed e ects are multifaceted. Chronic uoride exposure disrupts the delicate balance between pro-oxidant and antioxidant systems, leading to an excess of ROS. is oxidative stress triggers in ammatory responses and cellular damage, including lipid peroxidation and protein oxidation, impairing cellular function. e compromised endothelial function, vasoconstriction, and altered platelet activity collectively contribute to the disturbance in peripheral blood circulation [6].

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Although this study was conducted on mice, it raises important concerns about the potential health risks associated with chronic uoride exposure in humans. Many communities worldwide have uoride concentrations in their drinking water that exceed the recommended levels, which may pose a threat to human health, especially when exposure occurs over an extended period.

Peripheral blood circulation is vital for the proper functioning of organs and tissues throughout the body. Impairments in circulation can lead to various cardiovascular disorders, including hypertension, atherosclerosis, and thrombosis. Additionally, the imbalanced oxidative biochemistry resulting from chronic uoride exposure may increase the risk of oxidative stress-related diseases, such as neurodegenerative disorders and cancer [7].

D, c...,

e ndings of the study on chronic exposure to sodium uoride and its e ects on oxidative biochemistry and peripheral blood circulation in mice raise important points for discussion. e implications of these results extend beyond the laboratory setting and have potential signi cance for human health. Let's delve deeper into the discussion surrounding these ndings.

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e study highlights the need to reevaluate the concentration of uoride in drinking water, particularly in areas where i5 -1.83 0.5rdings.rverreas won.8blim7uo. Whilefrom chronichlarb ₩ ide and ts odistic anbora Citation: Suliman A (2023) Chronic Exposure to Sodium Fluoride Triggers Oxidative Biochemistry Misbalance in Mice Efects on Peripheral Blood Circulation. Biochem Physiol 12: 425.

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