

Environmental Pollution Impact on Lung Functions and Cognitive Functions Among School Adolescence

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Abstract : Environmental pollution is a highly challenging global concern of the 21st century and is a major cause of various communicable and non-communicable diseases. We investigate the impact of air pollution on "lung function, fractional exhaled nitric oxide, and cognitive function" in a group of one hundred young students studying in a traffic-polluted school. The students were selected based on their age, gender, height, weight, and ethnicity. After the clinical history, one hundred students were recruited from the school near and away from the polluted areas. The lung and cognitive functions were recorded. The results revealed that lung and cognitive function parameters were reduced in groups of students studying in a school located in a traffic-polluted area compared to those studying in a school situated away from the traffic-polluted area. Environmental pollution impairs students' lung and cognitive functions studying in schools located within traffic-polluted areas. The health officials and policymakers establish strategies to minimize environmental pollution and its allied health hazards. Prof. Sultan Ayoub Meo, MD, Ph.D Professor, Department of Physiology, College of Medicine, King Saud University, Saudi Arabia Email. sultanmeo@hotmail.com / smeo@ksu.edu.sa

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