



## Effects of Quarry Dusts on the Electrocardiogram of Quarry Workers in Abakaliki Metropolis Dr. Alaa Mohsen

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**Abstract:** Associations between high level of occupational dust and cardiovascular diseases have been known for more than half a century. To evaluate the effects of quarry dusts on the electrocardiogram of quarry workers in Abakaliki metropolis.

They were within the age of 18 to 65 years. A questionnaire was issued to obtain some vital medical and workplace information. Signed consents forms were obtained. An electrocardiogram machine was used to examine the electrical activities of their hearts. A handheld laser dust measuring device called air sampler PCE-PCO 1 was used to analyze the quantity, quality and sizes of particulate matters present in the research area. Data were presented as Mean  $\pm$  SEM, analyzed using a 2-way ANOVA, and a multiple comparison test using Tukey's Post Hoc Test. Level of significance was set at 95% confidence interval. All statistical analyses were carried out using Graph Pad prism 7 software.



**Biography:** Ezeja Godwin graduated with bachelor of medical rehabilitation from university of Nigeria Nsukka in 2007. He completed his master of science (MSc) in physiology from Ebonyi state university in 2018. He was the pioneer unit head, burns and plastics physiotherapy Alex Ekwueme Federal University Teaching Hospital Abakaliki (AEFUTHA). Currently, he is a principal burns and plastics physiotherapist in the same institution. He has published several articles in reputed journals.

**Publications:** 1. Occupational Dusts and Cardiovascular Diseases in Nigeria: Effects of Quarry and Saw dusts on the cardiovascular system of exposed workers.  
2. Occupational Exposure to Quarry Dust and Blood Pressure Status of Quarry Workers in Nigeria Population.  
3. Pathophysiological Aspects of Proteases .  
4. Antiinflammatory, lack of central analgesia and antipyretic properties of *Acanthus montanus*.  
5. Knowing Cholesterol and Getting Rid of it Daily Hygieno-Dietetic Measures Against Daily Cholesterol.

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