

## Perception on Covid-19 Pandemic among Medical Imaging Scholars: A Case Study

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### Abstract

As of December 2020, many countries across the globe are still grappling with the management and treatment of COVID-19. The first case of COVID-19 in Ghana was confirmed on the 12th March 2020 with laboratory results of the confirmed cases received from the Noguchi Memorial Institute for Medical Research of the University of Ghana. The aim of this research is to assess the level of knowledge of COVID-19 pandemic, its effect and panacea for students' challenges among medical imaging students in Ghana. **METHOD:** A purposive cross-sectional survey was conducted among medical imaging students in Ghana. The study sampled students from six (6) educational institutions undertaking medical imaging as a course of study. A total of 476 study participants were involved in the study. Microsoft Excel 2016 version was used to analyze the data. **RESULTS:** Of the respondents, 335 (74.6%) were observing all World Health Organization (WHO) and Ministry of Health (MOH) protocols. Upon the closure of universities, most (n=407, 85.5%) of the respondents confirmed that it has really affected their studies. Most participants (n=236, 49.6%) "Strongly agree" that imaging modalities should be part of COVID-19 diagnosing tool. **CONCLUSION:** Medical imaging students in Ghana confirm and aware of how COVID-19 is transmitted and the closure of schools have really affected students' education.

**Keywords:** COVID-19, MRI Students, Medical imaging, Imaging techniques, Medical imaging perspective

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