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IN MEDICAL IMAGING:
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Empowering Communities: A Multifaceted Approach to Raising Awareness for Ionizing Radiation in Diagnostic Imaging

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Introduction: The people are the reason why a community is of being. It is important to consider that in order to create a better tomorrow, knowledge and awareness is of value. The study is concerned on assessing and revamping the awareness of the community about ionizing radiation in diagnostic imaging as a community health education. **Methods:** The researcher, now equipped with information, desires to promulgate ionizing radiation in terms of its benefits and risks to give back to the community. The research is led by a descriptive design which is complimented by a quantitative approach. There are four barangays selected, namely, Halayhayin, Munting Ambling, Poblacion, and Tipunan in the Municipality of Magdalena, Laguna, in which 375 respondents participated in the study. **Results:** Through the implementation of interventions that included a seminar, handing out pamphlets, posting of posters in conspicuous places, and through social media, there is a significant increase in the perceived awareness of the residents. The contrast of pre- and post-test described that despite being somewhat aware, they became fully aware of the benefits and risks of ionizing radiation particularly in diagnostic imaging as expressed by Wilcoxon Signed Rank Test. **Conclusions:** The differences of the effectiveness of the approaches are determined by the formula of Kruskal-Wallis H wherein the seminar being at the top.

Keywords: awareness, community health education, ionizing radiation