

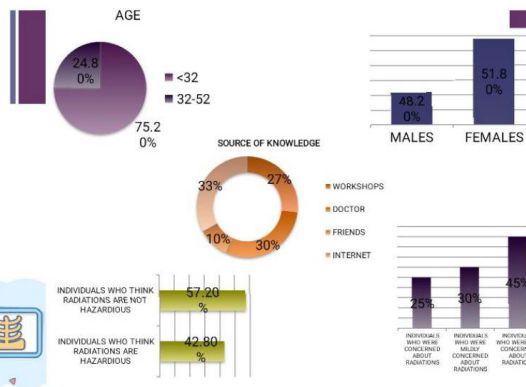


KNOWLEDGE OF RADIATION HAZARDS AND RADIATION PROTECTION AMONG NON-RADIOLOGY HOSPITAL PARAMEDICS AND PATIENT'S REFERRED TO RADIOLOGY. A PROSPECTIVE STUDY CONDUCTED AT A TERTIARY CARE HOSPITAL IN PAKISTAN

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Introduction

- Medical radiology has brought an evolution in the field of medicine.
- Modern technology and the eye of the radiologist have made diagnosis easier and treatment earlier. With all the benefits there are few disadvantages as well, including the hazards associated with radiations used in diagnostic imaging¹.
- The knowledge of these hazards and the effective protective measures is therefore very important¹.
- The purpose of our study is to evaluate the basic knowledge of the non-radiology staff members, doctors and patients who are exposed to radiations during their routine imaging workup.



OBJECTIVE:

- The objective of our study was to evaluate the basic knowledge of the health care workers and the patients regarding radiation hazards and methods of radiation protection in a tertiary care setup.



CONCLUSION:

- Medical radiology has its benefits but the associated radiation hazards exist and the awareness of the risks is important for the staff as well as the patient's being exposed. Appropriate measure should be taken in order to spread awareness including sessions for the staff and doctors. A trained staff and well-informed doctors can help the patients as well.



Material and Methods

- This was a cross-sectional prospective study.
- Conducted in Liaquat National Hospital Karachi.

- The study included the non-radiology staff, doctors and patients who got exposed to radiations during their imaging workup.
- A validated questionnaire was given to the participants consisting of 16 questions, it included demographic data (name, age, sex, education level, profession) apart from questions to assess basic knowledge regarding radiations.

- The total calculated sample size is 226 patients with the help of WHO software for sample size calculation taking 95% confidence level.



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