



Contribution ID: 75

Type: **Oral presentation**

An Investigation of Radiation Knowledge in First Year Medical Radiations and Pharmacy Students

Monday 30 June 2025 14:30 (20 minutes)

Ionizing radiations are widely used for diagnostic and therapeutic purposes and hence saving millions of lives every year. Over 25 million people in the world living with cancer. Nearly 11 million people are diagnosed with cancer every year and more than 60% of them get curative and/or palliative treatment using ionizing radiations through radiotherapy or brachytherapy or nuclear medicine. Ionizing radiations have potential health risks. This paper reports a cross-sectional exploratory study involving a self-administered anonymous paper survey investigating some basic knowledge on the properties of ionizing radiations in medical radiations and pharmacy students at RMIT University, Australia.

Education level

Age over 18 (excluding teacher education)

Physics topic

Interdisciplinary topics

Research focus

Student conceptions / Preconceptions / Misconceptions

Research method

Mixed method (qualitative & quantitative)

Organizing preference criteria

Track

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Session Classification: Parallel oral presentations

Track Classification: Contemporary and modern physics (CONT)