



Contribution ID: 42

Type: **Poster (preferred)**

Development of user-friendly verification tool of radiation shielding calculation

Wednesday, 29 May 2024 18:32 (6 minutes)

Shielding calculation software was developed to assist the regulatory body in shielding calculation verification for shielding thickness required in different medical radiological departments; radiation diagnosis, nuclear medicine, and radiation therapy. It is user-friendly, simple and fast. It was mainly used for verification and validation process. The calculated values calculated by the calculation software were compared with those calculated manually and were accurate and precise. The calculation software has proven to be an effective tool when it is used as an independent verification tool to minimize time of the assessor and reduce the possibility of human error.

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Shielding and dosimetry

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Primary author: ALSULAMI, Nahla

Presenter: ALSULAMI, Nahla

Session Classification: Poster Session