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## Analysis of calculated and measured entrance skin dose of common radiographic procedures.

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This work reports the result of the comparison between calculated entrance skin dose (ESD) and measured entrance skin dose using thermo-luminescent dosimeter (TLD) in a teaching hospital in North Central, Nigeria. The exposure parameters and anthropometric characteristics of twenty (20) adult patients exposed to X-ray radiation at the Benue State University Teaching Hospital, Makurdi, North Central for chest X-ray examination (10 patients) and abdomen X-ray examination (10 patients) were recorded. The measured ESD data were compared to Edmonds model, Faulkner model, Chougule model, Davies model, and Kepler model. The entrance skin doses (ESD) of two common radiographic examinations determined by the use of Lithium Fluoride Thermo-luminescent dosimeter were found to be generally low when compared to the ESD obtained by mathematical model. The measured ESD from this work was lower than the DRLs values.

### Apply to be considered for a student ; award (Yes / No)?

No

### Level for award;(Hons, MSc, PhD, N/A)?

N/A

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