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New Optimization Strategies on Radiation Protection in Fluoroscopy-Guided Interventional Procedures in Pediatrics

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Message from the Guest Editor

Dear Colleagues,

The number of fluoroscopy-guided interventional procedures in pediatrics is increasing, especially in interventional cardiology. In recent decades, pediatric cardiac catheterization has gone from being a primarily diagnostic tool to becoming a therapeutic modality that has substantially improved the prognosis of congenital cardiac malformations. However, these procedures may involve high radiation doses to patients. Particular attention must be paid to pediatric patients undergoing these procedures, as children are potentially at greater risk of radiation-induced stochastic effects due to the higher radiation sensitivity levels of their tissues compared to adult patients. Furthermore, they have a longer lifespan, in which long-term effects such as neoplasms can develop.

This Special Issue aims to deal with the latest developments in New Optimization Strategies on Radiation Protection in Fluoroscopy-Guided Interventional Procedures in Pediatrics.



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Special Issue



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Message from the Editor-in-Chief

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