

## Special Issue

# Optimizing Personalized Radiation Dose in Computed Tomography: Justification and Diagnostic Reference Levels

### Message from the Guest Editor

This Special Issue focuses on optimizing personalized radiation doses and establishing DRLs for CT in various patient groups. CT technology's rapid advancements require strategies balancing high diagnostic quality with minimal radiation exposure, especially for vulnerable populations. We're interested in radiation dosing rationale using DRLs as safety benchmarks.

Submissions on advanced dose management techniques, like AI-enhanced optimization, automated dose monitoring, and personalized protocols, are welcome. The issue aims to discuss technologies improving radiation dose rationale and personalization, addressing DRL implementation challenges in diverse clinical settings. We'll explore strategies optimizing image quality while reducing radiation, focusing on innovative reconstruction and AI-driven solutions. We invite submissions from radiologists, medical physicists, and CT technologists in clinical and research settings, especially those developing advanced imaging procedures. Original research and comprehensive reviews are encouraged.

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### Guest Editor

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### Deadline for manuscript submissions

31 October 2025



## Diagnostics

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**CiteScore 5.9**  
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### Editor-in-Chief

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