

## **Scatter reduction and scatter compensation in X-ray imaging: simulation study.**

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### **Abstract**

Two scattered radiation suppression techniques: air gap and anti-scatter grid, are compared to scattering kernels superposition method of scattered radiation compensation. Air gapping efficiency is contrasting to scanner size increasing. Grid efficiency is contrasting to the dose increasing. Scattered compensation method results in comparable to grid images quality having the same compact sizes but no dose increasing

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