

Peer Review

# Review of: "Gadolinium Toxicity: Mechanisms, Clinical Manifestations, and Nanoparticle Role"

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It's a fascinating review and really interesting.

The risk-benefit profile of gadolinium-based contrast agents is described by the author from a structural perspective following the assessment of stability characteristics.

I would suggest adding, as a chemist, first of all some figures depicting the linear and macrocyclic structures of the gadolinium-based contrast agents in order to underline the main differences in safety among these agents in the context of the risk-benefit profile.

I would also like to suggest a table for a quick comparison of the overall relaxivity values of the various GBCAs, in order to immediately catch the discoveries among the latest decay.

I would like to suggest clarifying the dechelation mechanism considering linear and macrocyclic structures.

## Declarations

**Potential competing interests:** No potential competing interests to declare.