

Comparative Analysis of the Most Effective Medicinal Plant Extract for Protection Against Cisplatin-Induced Toxicity

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Abstract: *Cisplatin is one of the most effective chemotherapeutic agents used for the treatment of several solid tumors, but its clinical application is frequently limited by toxicity, particularly nephrotoxicity. Cisplatin-induced renal injury is associated with oxidative stress, mitochondrial dysfunction, inflammation, apoptosis, DNA damage, and tubular injury. Medicinal plants and their bioactive constituents have attracted considerable attention because many possess antioxidant, anti-inflammatory, anti-apoptotic, and cytoprotective properties.*

Keywords: Cisplatin, nephrotoxicity, medicinal plants, curcumin, silymarin, *Nigella sativa*, ginger, green tea, oxidative stress, renal protection.