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PRINT: ISSN 0973-5070 ONLINE: ISSN 2456-6772

Ethno Med, 20(2): 99-109 (2026)

DOI: 10.31901/24566772.2026/20.02.724

Antioxidant and Protective Effects of *Agaricus bisporus* Against Cisplatin Induced Nephrotoxicity in Male Albino Rats

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KEYWORDS *Agaricus bisporus*. Cisplatin. Histopathology. Nephrotoxicity. Silymarin

ABSTRACT The nephrotoxicity linked to reactive oxygen species (ROS) formation, which exacerbates cellular damage, frequently limits the clinical application of cisplatin (CP), a commonly used chemotherapeutic medication that is effective against a variety of solid malignancies. These harmful effects can be lessened by antioxidants. This study evaluated the protective effect of an *Agaricus bisporus* methanolic extract on male albino rats. Control, silymarin, cisplatin, and mushroom were the four groups into which the animals were divided. After 15 days, the samples were subjected to various enzyme levels and kidney tissues were examined histologically. Histology revealed better kidney structure, and mushroom therapy markedly decreased malondialdehyde (MDA) and raised glutathioneperoxidase (GPx), catalase (CAT), and superoxide dismutase (SOD) activity. According to these results, *Agaricus bisporus* has antioxidant qualities that guard against oxidative kidney damage brought on by cisplatin and may lessen the toxicity of chemotherapy.