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REVIEW ARTICLES

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ON THE COVER

Chemotherapy-Induced Peripheral Neuropathy is a common, difficult-to-treat, and dose-limiting side effect associated with Oxaliplatin (OXA) treatment. In this study, the authors evaluated the effect of three antioxidants - namely N-acetylcysteine, α-lipoic acid and vitamin E - upon nociceptive parameters and antitumor efficacy of OXA in a tumor bearing Swiss mice model. The results report preventive and therapeutic efficacy of orally administrated antioxidants (N-acetylcysteine, α-lipoic-acid and Vitamin-E) for alleviating oxaliplatin-induced peripheral neuropathy in tumor-bearing mice. Antioxidants anti-nociceptive effects are associated with inhibition of ROS-dependent neuroinflammation, and occur at no detriment of OXA antitumor activity, therefore indicating a translational potential of these compounds. See Agnes, et al, Page 996.

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