

Tamoxifen-phospholipid complex may alleviate TMX toxicity

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(HealthDay)—Administration of a tamoxifen-phospholipid complex (TMX-PLC) is associated with improvement in TMX-induced hepatotoxicity in rats, according to an experimental study published in the September issue of the *Journal of Pharmacy and Pharmacology*.

Sunil K. Jena, from the National Institute of Pharmaceutical Education and Research in Mohali, India, and colleagues examined the ameliorative effect of phospholipid against TMX-induced [hepatotoxicity](#) in female Sprague-Dawley rats. Fifteen rats were divided into three groups and received either only standard diet and distilled water (normal), TMX (control), or TMX-PLC for 28 days.

The researchers observed a significant amelioration in TMX-induced hepatotoxicity with TMX-PLC, which diminished toxicity markers such as [lipid peroxidation](#), aspartate transaminase, and alanine transaminase.

Furthermore, there was an increase in antioxidant enzyme activity with TMX-PLC administration. The hepatoprotective effect of phospholipid was confirmed in histological findings.

"Data of the present study suggests that phospholipid may prove as a useful component of combination therapy in cancer patients under the TMX treatment regimen," the authors write.

More information: [Abstract](#)
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