

Prolonged dexamethasone cuts delayed nausea after chemo

August 22 2012

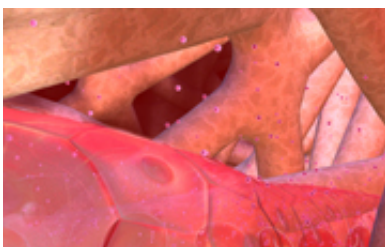


Image courtesy of Blausen Medical

Adding dexamethasone to prochlorperazine on days two and three, following palonosetron and dexamethasone on day one, reduces delayed nausea in patients receiving chemotherapy containing a platinum-based drug or an anthracycline, according to research published online Aug. 20 in the *Journal of Clinical Oncology*.

(HealthDay) -- Adding dexamethasone to prochlorperazine on days two and three, following palonosetron and dexamethasone on day one, reduces delayed nausea (DN) in patients receiving chemotherapy containing a platinum-based drug or an anthracycline, according to research published online Aug. 20 in the *Journal of Clinical Oncology*.

Joseph A. Roscoe, Ph.D., of the University of Rochester in New York, and colleagues conducted a randomized, double-blind study of the effectiveness of several [treatment regimens](#) for the prevention of DN: palonosetron plus dexamethasone followed by prochlorperazine; granisetron plus dexamethasone followed by prochlorperazine;

aprepitant plus palonosetron plus dexamethasone followed by aprepitant plus dexamethasone; or palonosetron plus dexamethasone followed by prochlorperazine plus dexamethasone.

The researchers observed no difference between the effects of palonosetron and granisetron on DN when given with dexamethasone on day one followed by prochlorperazine on days two and three. Also, aprepitant was no more effective at reducing DN than prochlorperazine. Some benefit was achieved, however, by adding dexamethasone to prochlorperazine on days two and three.

"Over half of the patients studied experienced DN, and control afforded by all of the antiemetic regimens examined was inadequate. The finding that a second-generation 5-hydroxytryptamine [receptor antagonist](#) (5-HT RA), palonosetron, showed no greater efficacy in controlling DN than a first-generation 5-HT RA was disappointing," the authors write. "We were similarly disappointed that aprepitant provided no significant benefit over prochlorperazine in controlling DN. More effective regimens for controlling DN are needed and should include the addition of prolonged dexamethasone."

Two authors disclosed [financial ties](#) to the pharmaceutical industry.

More information: [Abstract](#)
[Full Text \(subscription or payment may be required\)](#)

Copyright © 2012 [HealthDay](#). All rights reserved.

Citation: Prolonged dexamethasone cuts delayed nausea after chemo (2012, August 22) retrieved 14 May 2024 from <https://medicalxpress.com/news/2012-08-prolonged-dexamethasone-nausea-chemo.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.