

Extended pre-cessation bupropion helps smokers quit

6 March 2015



"The data are consistent with extinction-of-reinforcement model and support further investigation of extended run-in bupropion therapy for smoking cessation," the authors write.

Several authors disclosed financial ties to the pharmaceutical industry; one author provides expert testimony in litigation against cigarette manufacturers and is involved in a trial evaluating a [nicotine](#) vaccine.

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

Copyright © 2015 [HealthDay](#). All rights reserved.

(HealthDay)—Extended pre-quit bupropion is associated with reduced smoking behavior during the pre-quit period and improved short-term abstinence rates, according to a study published online Jan. 14 in *Nicotine & Tobacco Research*.

Larry W. Hawk Jr., Ph.D., from the State University of New York at Buffalo, and colleagues examined whether four weeks of pre-quit [bupropion](#) results in greater pre-quit reductions in smoking rate than the standard one week of pre-quit bupropion (standard run-in). Ninety-five adult smokers (48 females) were randomly allocated to a standard run-in group (48 participants) or an extended run-in group (47 participants). Group behavioral counseling and seven weeks of post-quit bupropion were provided to all participants.

The researchers found that, compared with the standard run-in group, the extended run-in group demonstrated a greater reduction in smoking rate during the pre-quit period ($P = 0.03$). A similar pattern was seen for cigarette craving and salivary cotinine, although the latter was only seen in women. The rates of biochemically verified four-week continuous [abstinence](#) were elevated in the extended run-in versus standard run-in group (53 versus 31 percent; $P = 0.033$).

APA citation: Extended pre-cessation bupropion helps smokers quit (2015, March 6) retrieved 8 October 2022 from <https://medicalxpress.com/news/2015-03-pre-cessation-bupropion-smokers.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.