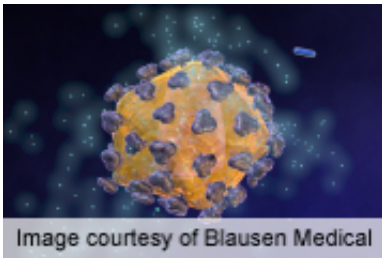


Protease inhibitor and NRTIs safe, effective in HIV treatment

July 19 2014



(HealthDay)—An HIV treatment regimen of a boosted protease inhibitor (lopinavir) combined with nucleoside reverse-transcriptase inhibitors (NRTIs) is safe and effective in low-resource settings, according to a study published in the July 17 issue of the *New England Journal of Medicine*.

Nicholas I. Paton, M.D., from University College London, and colleagues conducted an open-label trial in sub-Saharan Africa involving 1,277 HIV-infected adults and adolescents with first-line treatment failure. Participants were randomized to receive a ritonavir-boosted protease inhibitor (lopinavir-ritonavir) plus clinician-selected NRTIs (NRTI group; 426 patients); a protease inhibitor plus raltegravir (raltegravir group; 433 patients); or protease-inhibitor monotherapy after 12 weeks of induction therapy with raltegravir (monotherapy group; 418 patients).

The researchers found that good disease control was achieved in 60 percent of the NRTI group, 64 percent of the raltegravir group ($P = 0.21$ versus the NRTI group; superiority of raltegravir not shown), and 55 percent of the monotherapy group (noninferiority of monotherapy not shown). Rates of adverse events (grade 3 or 4) were similar among the groups ($P = 0.82$). In the NRTI group, viral load

Citation: Protease inhibitor and NRTIs safe, effective in HIV treatment (2014, July 19) retrieved 22 July 2023 from <https://medicalxpress.com/news/2014-07-protease-inhibitor-nrtis-safe-effective.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.