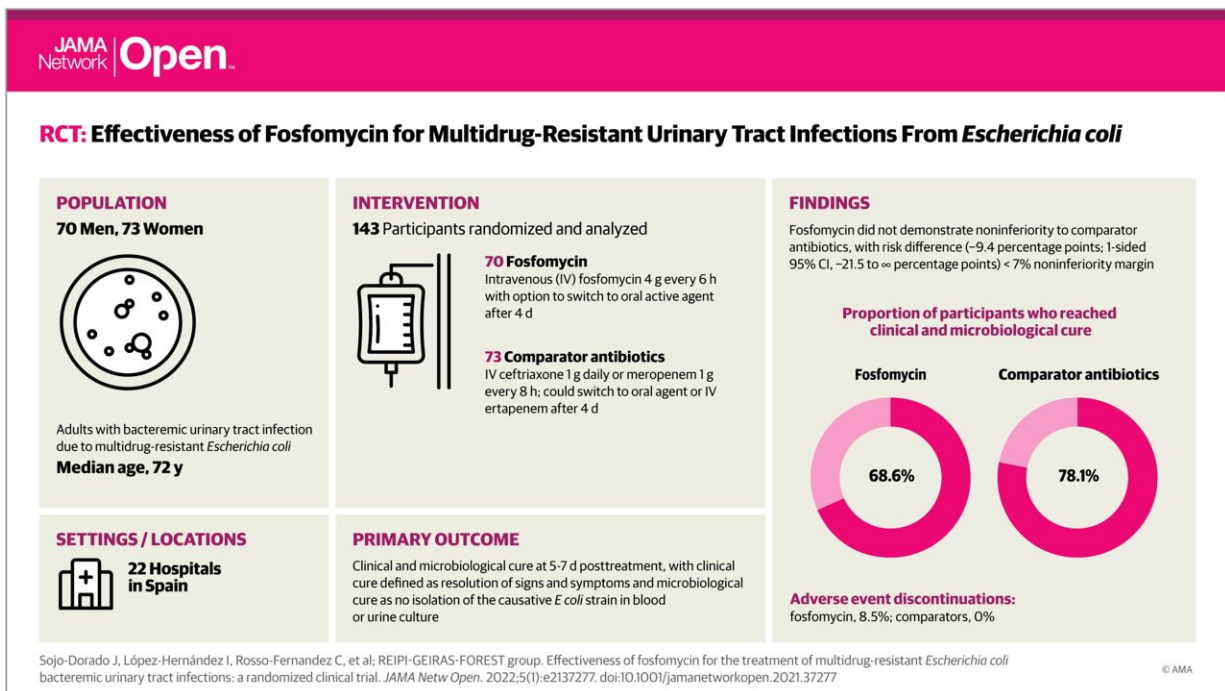


'Forgotten' antibiotic recovered for resistant bacterial infections

March 9 2022



Graphical abstract. Credit: *JAMA Network Open* (2022). DOI: 10.1001/jamanetworkopen.2021.37277

The results make it possible to expand the treatment options for infections for which few alternatives exist, while at the same time helping to avoid increasing resistance to the usual drugs. To this end, the study looked at the safety and efficacy of intravenous fosfomycin, an old "forgotten" antibiotic, as a possible treatment for bacterial infections

resistant to the most commonly used antibiotics.

The study was carried out between June 2014 and December 2018 and involved 22 Spanish hospitals. Now the results are being published are analyzing the data collected over that period. The findings are based on the analysis of 143 [adult patients](#) with invasive urinary tract infection by multidrug-resistant strains of E. coli.

The impact of these results lies in being a possible substitute for the "last resort" antibiotics currently used, which may help to prevent the overuse of these [antibiotics](#) causing more resistance. As such, the renewed use of fosfomycin, whose effectiveness has been shown, is excellent news for patients concerned. The study also revealed that there are risk groups for whom this drug is not recommended, namely patients over 80 years of age or patients with [heart failure](#).

The trial was conducted in conjunction with the Spanish Network for Research in Infectious Pathology. It has been published in the journal *JAMA Network Open*, the main authors being Dr. Jesús Sojo, Dr. Inmaculada López-Hernández, Dr. Álvaro Pascual and Dr. Jesús Rodríguez Baño of the Hospital Virgen Macarena.

More information: Jesús Sojo-Dorado et al, Effectiveness of Fosfomycin for the Treatment of Multidrug-Resistant Escherichia coli Bacteremic Urinary Tract Infections, *JAMA Network Open* (2022). [DOI: 10.1001/jamanetworkopen.2021.37277](https://doi.org/10.1001/jamanetworkopen.2021.37277)

Provided by University of Seville

Citation: 'Forgotten' antibiotic recovered for resistant bacterial infections (2022, March 9) retrieved 23 April 2024 from

<https://medicalxpress.com/news/2022-03-forgotten-antibiotic-recovered-resistant-bacterial.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.