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12 Hepatitis C in human immunodeficiency virus co-infected individuals: Is this still a "Special Population"?

Drosos E Karageorgopoulos, Joanna Allen, Sanjay Bhagani

## Abstract

2 A substantial proportion of individuals with chronic hepatitis C virus (HCV) are co-infected with human immunodeficiency virus (HIV). 22  
infected individuals are traditionally considered as one of the 'special populations' amongst those with chronic HCV, mainly because of fast  
45 progression to end-stage liver disease and suboptimal responses to treatment with pegylated interferon alpha and ribavirin, the benefits  
which are often outweighed by toxicity. The advent of the newer direct acting antivirals (DAAs) has given hope that the majority of co-infected  
individuals can clear HCV. However the 'special population' designation may prove an obstacle for those with co-infection to gain access to  
new agents, in terms of requirement for separate pre-licensing clinical trials and extensive drug-drug interaction studies. We review the global  
epidemiology, natural history and pathogenesis of chronic hepatitis C in HIV co-infection. 10  
The accelerated course of chronic hepatitis C in HCV co-infection is not adequately offset by successful combination antiretroviral therapy. We also review the treatment trials of chronic hepatitis  
in HIV co-infected individuals with DAAs and compare them to trials in the HCV mono-infected. 6  
49 There is convincing evidence that HIV infection no longer diminishes the response to treatment against HCV in the new era of DAA-based therapy. The management of HCV

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