Hepatitis C and HIV

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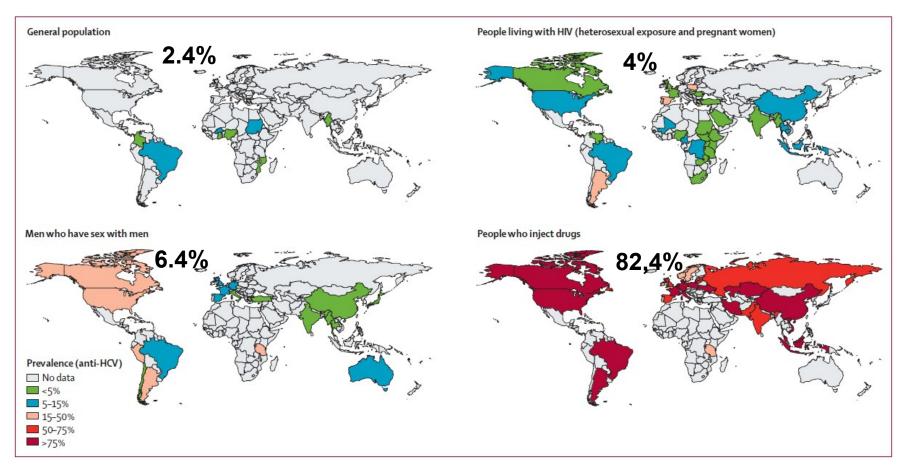
Disclosures

Speaker: GSK, BMS, Boehringer Ingelheim, Janssen Gilead, Roche, MSD, Sanofi, Novartis, Vertex, Abbvie

Grants: BMS, Gilead, Roche, MSD

Board member: GSK, BMS, Boehringer Ingelheim, Janssen, Gilead, Roche, MSD, Sanofi, Novartis, Vertex, Abbvie

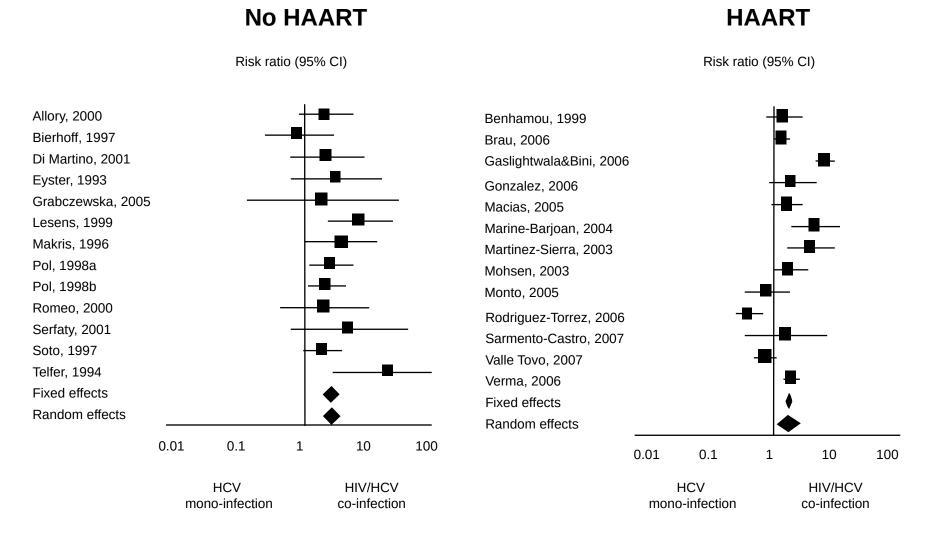
Prevalence of HCV infection in HIVinfected patients



≈2 280 000 HIV-HCV co-infections

HIV/HCV Co-infection: harmfull impact of HIV

Meta-analysis of 26 studies



HIV/HCV Co-infection: harmfull impact of HIV

Annals of Internal Medicine

ESTABLISHED IN 1927 BY THE AMERICAN COLLEGE OF PHYSICIANS

From: HIV, Age, and the Severity of Hepatitis C Virus-Related Liver Disease: A Cohort Study

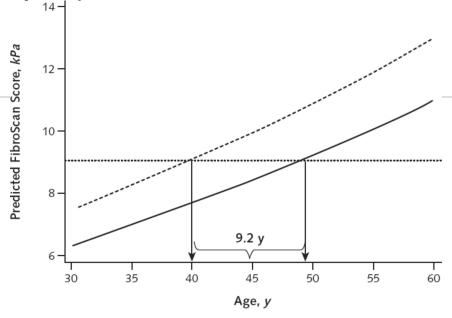
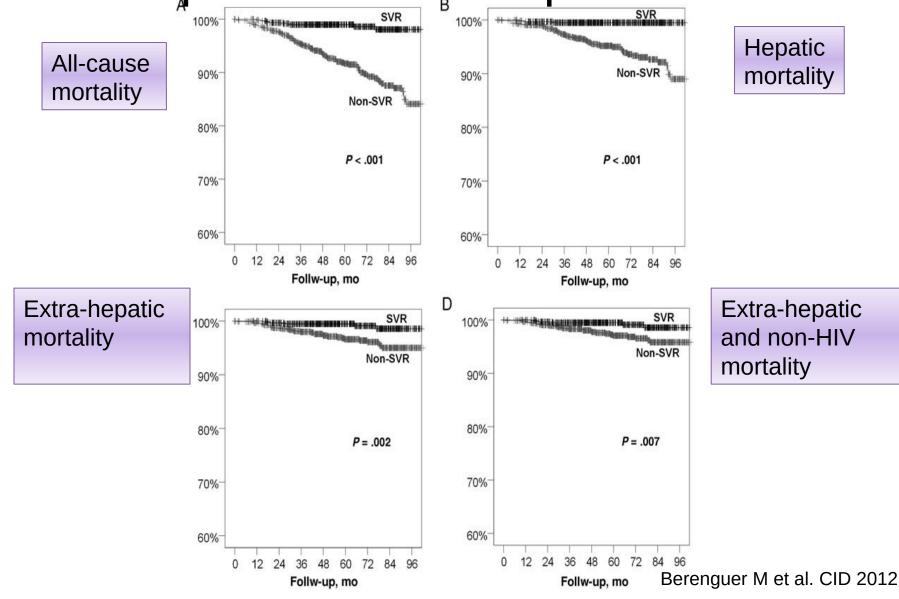


Figure Legend:

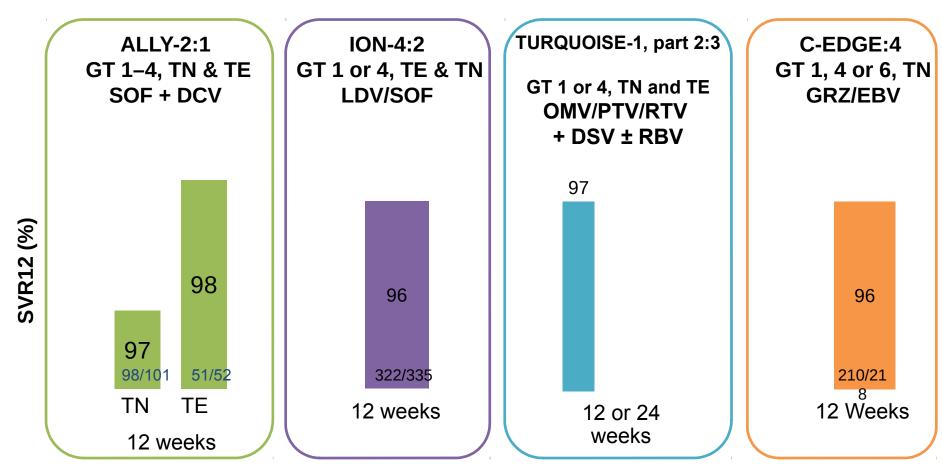
Liver fibrosis and age among persons coinfected with HIV and HCV and those with only HCV.

For each age, predicted liver fibrosis scores were calculated using a regression equation that included the race, sex, alcohol use, body mass index, hepatitis B virus surface antigen level status, and HCV RNA level values for a representative participant (black overweight male who has no regular alcohol use, is hepatitis B virus surface antigen-negative, and has high HCV viral load) for persons coinfected with HIV and HCV (dashed line) and for persons with only HCV (solid line). For example, a 40-year-old HIV and HCV coinfected person with these characteristics was calculated to have a predicted FibroScan score of 9.04 kPa. For this same degree of fibrosis, the predicted age in a similar person but with only HCV was 49.2 years. Over the entire age range, the average difference in estimated age between persons coinfected with HIV and HCV and those with only HCV was 9.2 years (90% coverage limit, 5.2 to 14.3 years). HCV = hepatitis C virus.

HCV cure decreases mortality from both hepatic and non-hepatic diseases



High SVR in adult patients with HIV/HCV co-infection treated with DAAs



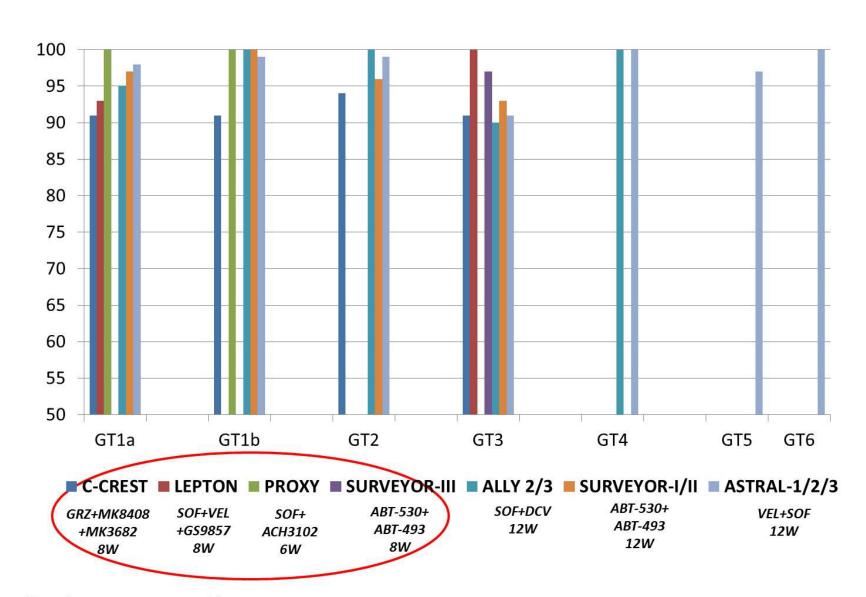
[·] Studies included non-cirrhotic and cirrhotic patients.

NOT HEAD-TO-HEAD COMPARISONS

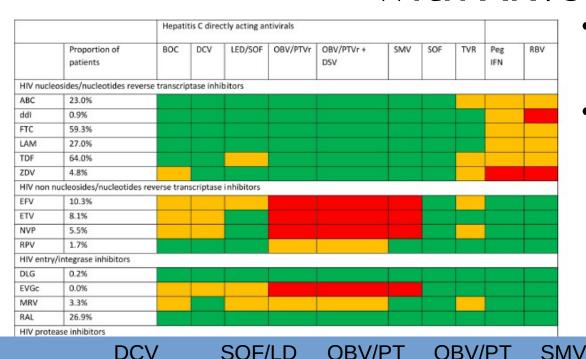
- 1. Wyles D, et al. N Engl J Med 2015;373:714–25; 2. Naggie S, et al. N Engl J Med 2015;373:705–13;
- 3. Rockstroh JK, et al. IAS 2016; Abstract # 10333; 4. Rockstroh JK, et al. Lancet HIV 2015;2:e319–27

[·] TE: treatment-experienced

First results of DAA next generation



Prevalence of potential interactions with ARVs



- 1164 patients from DAT'AIDS base
- Analysis of potential interactions with ARVs



		V	Vr	Vr/DSV				
CI	0%	0,2%	34,4%	34,4%	78,8%	0,2%	4,8%	5,2%
I pos.	49,4%	67,6%	52,2%	52,2%	0%	0%	91,6%	92,4%
No CI	50,6%	32,2	13,4%	13,4%	21,2%	99,8%	3,5%	2%

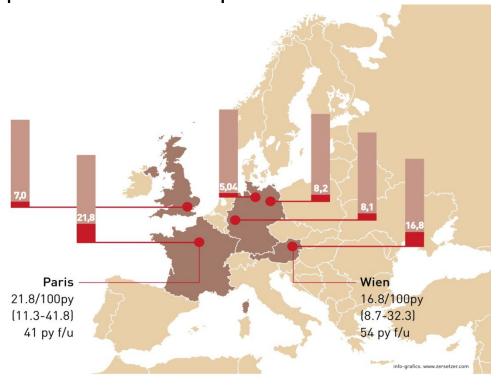
No clinically significant interaction expected

Potential interaction – may require close monitoring, alteration of drug dosage or timing of administration

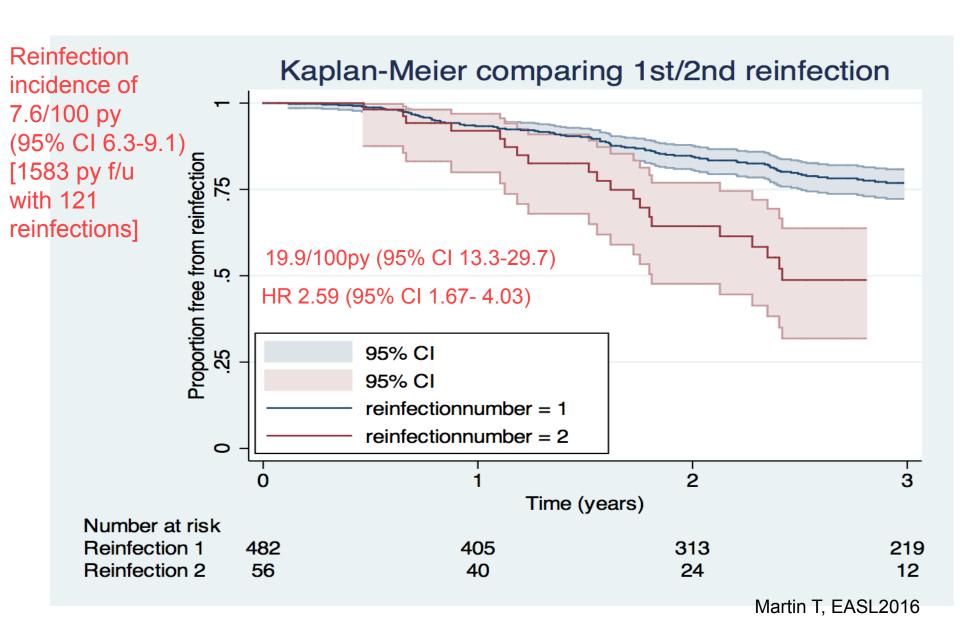
These drugs should not be coadministered

Acute HCV reinfection in Europe

- Observational survey in France, UK, Germany, Austria (NEAT network)
- 482 MSM included after a first episode of acute hepatitis C



Incidence of 1st and 2nd reinfection



Hepatitis C and HIV coinfection Conclusions