

Sofosbuvir + Ribavirin in HCV-HIV Coinfection: HCV GT 1,2,3,4 PHOTON-2 Trial

Molina JM, et al. Lancet. 2015;385:1098-106.

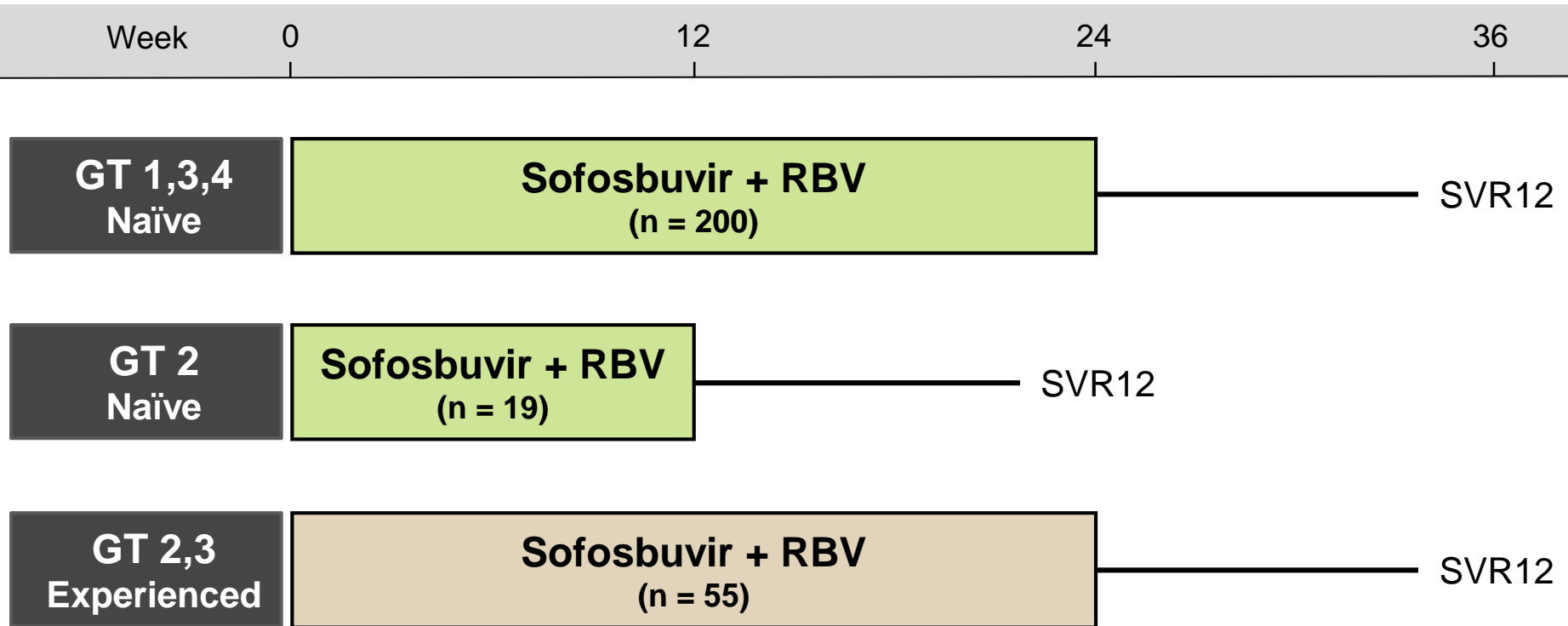
Sofosbuvir plus Ribavirin for HCV-HIV Coinfection

PHOTON-2 Trial: Study Features

PHOTON-2 Trial: Features

- **Design:** Open-label, nonrandomized, uncontrolled, phase 3 trial using sofosbuvir + ribavirin for HCV GT 1, 2, 3, or 4 in persons coinfecting with HIV
- **Setting:** 45 clinics in Europe
- **Entry Criteria**
 - HIV coinfection; HCV Genotype 1, 2, 3, or 4
 - Age 18 or older
 - HCV treatment naïve (GT 1-4) or treatment experienced (GT 2 or 3)
 - On HIV ARV Rx with HIV RNA \leq 50 copies/ml and CD4 $>$ 200 cells/mm³
 - Not on HIV ARV Rx and CD4 $>$ 500 cells/mm³
 - ARV regimen allowed: tenofovir-emtricitabine plus either ritonavir boosted atazanavir or darunavir, efavirenz, rilpivirine, or raltegravir
 - Compensated cirrhosis permitted (up to 20% of subjects); no platelet cutoff
- **Primary End-Points**
 - Efficacy (SVR12), safety, and impact on HIV

Sofosbuvir plus Ribavirin for HCV-HIV Coinfection PHOTON-2 Trial: Treatment Arms



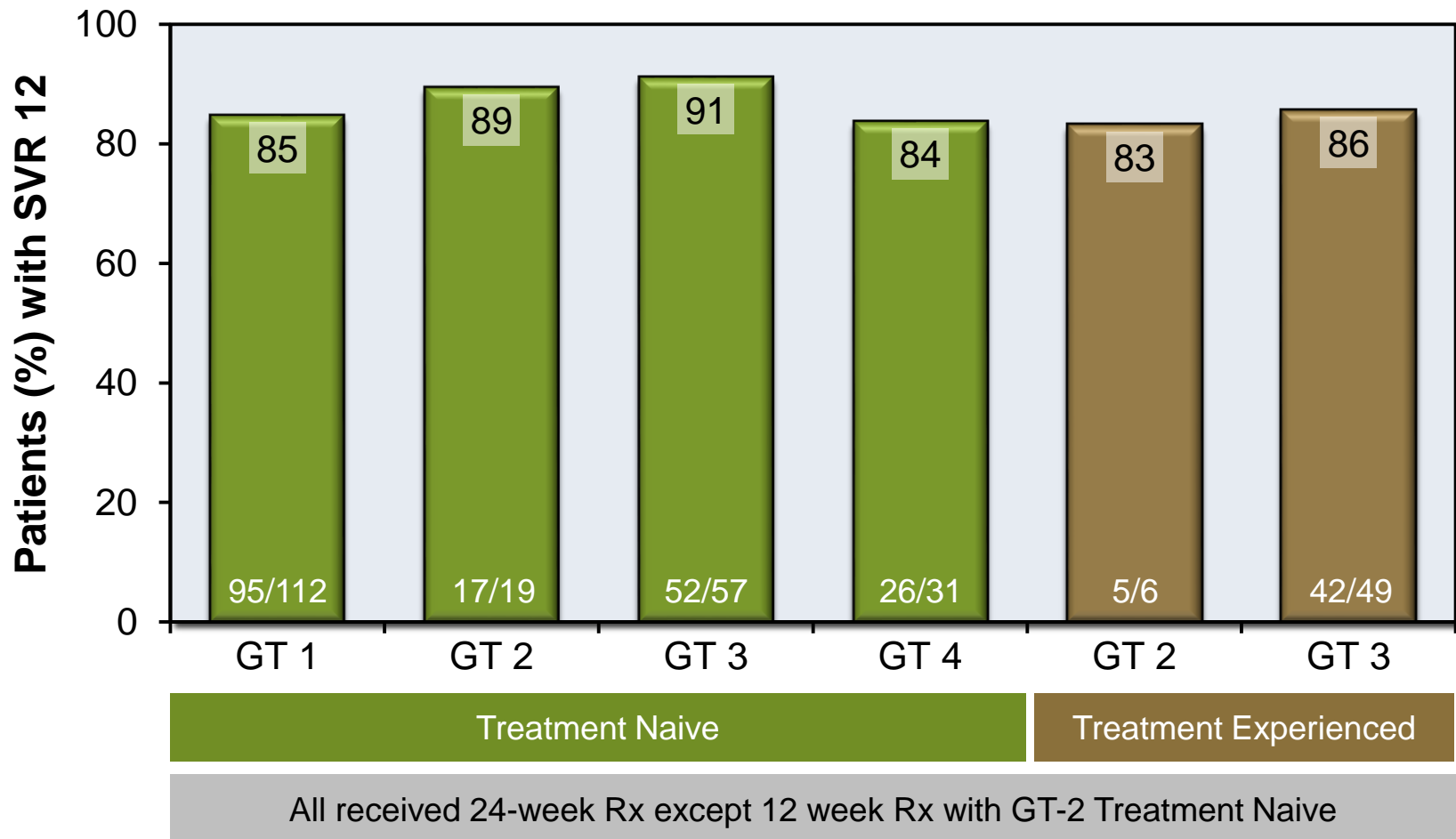
Drug Dosing

Sofosbuvir: 400 mg once daily

Ribavirin (weight-based and divided bid): 1000 mg/day if < 75 kg or 1200 mg/day if ≥ 75 kg

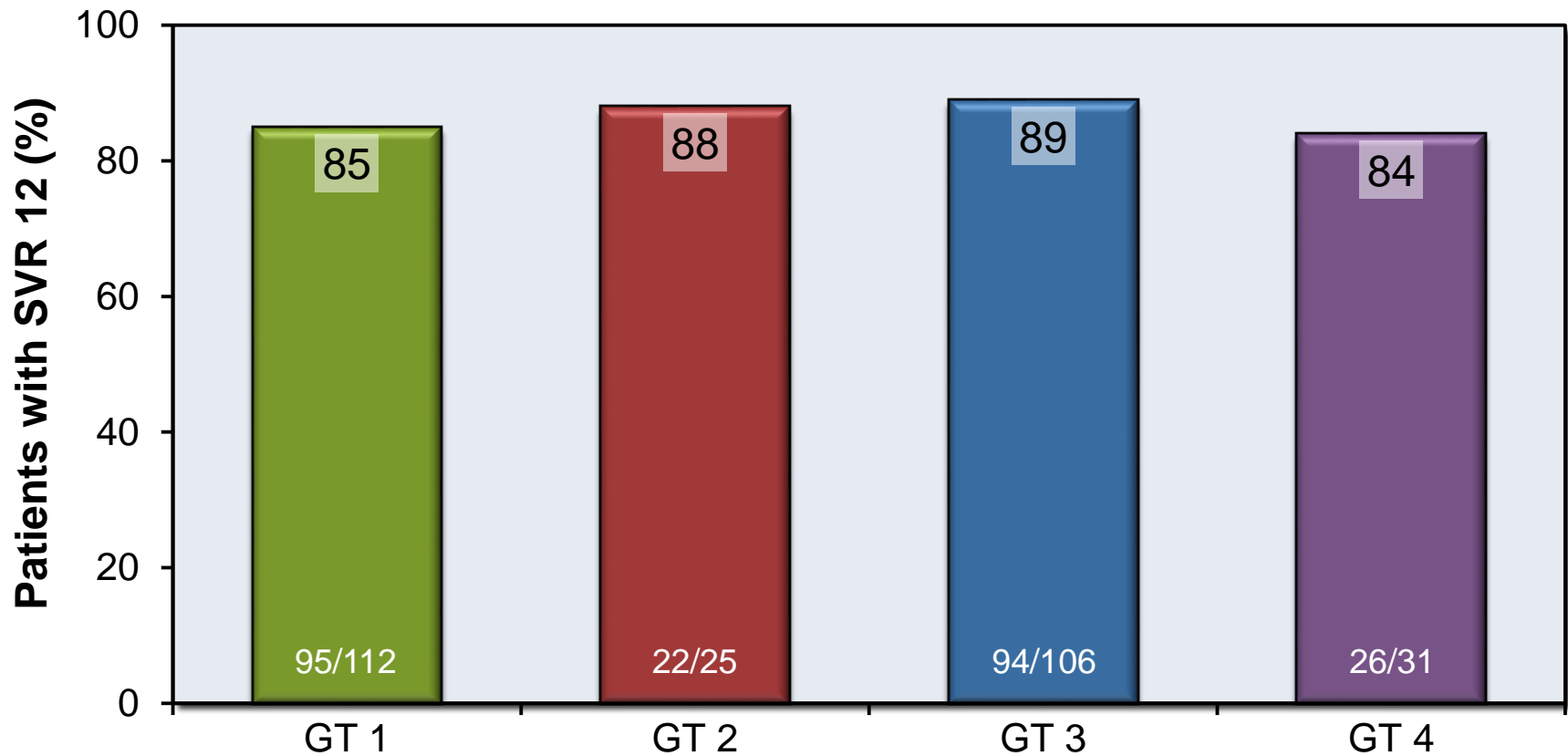
Sofosbuvir plus Ribavirin for HCV-HIV Coinfection PHOTON-2 Trial: Results

PHOTON-2: SVR12 with Sofosbuvir + RBV x 12-24 weeks



Sofosbuvir plus Ribavirin for HCV-HIV Coinfection PHOTON-2 Trial: Results

PHOTON-2: SVR12 with Sofosbuvir + RBV, by Genotype



Sofosbuvir and Ribavirin for HCV-HIV Coinfection PHOTON-2 Trial: Interpretation

Interpretation: “Sofosbuvir and ribavirin provided high rates of sustained virological response after 12 weeks of treatment in treatment-naive and treatment-experienced patients co-infected with HIV and HCV genotypes 1–4. The characteristics of this interferon-free combination regimen make sofosbuvir plus ribavirin a useful treatment option for this patient population.”

This slide deck is from the University of Washington's *Hepatitis C Online* and *Hepatitis Web Study* projects.

Hepatitis C Online

www.hepatitisc.uw.edu

Hepatitis Web Study

<http://depts.washington.edu/hepstudy/>

Funded by a grant from the Centers for Disease Control and Prevention.