

Treatment Naïve, Chronic HCV

Peginterferon alfa-2b + RBV vs. Peginterferon alfa-2a + RBV
IDEAL STUDY

McHutchison JG, et. al. N Engl J Med. 2009;361:580-93.

Peginterferon alfa-2b + Ribavirin vs Peginterferon alfa-2a + Ribavirin

IDEAL Study: Design

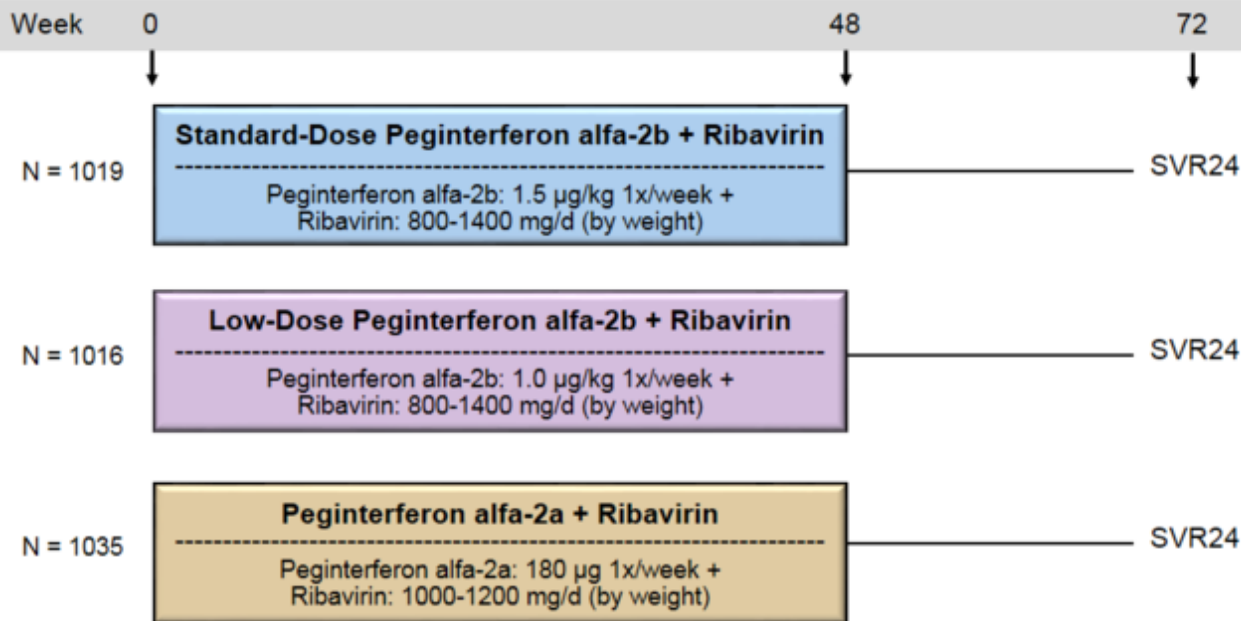
- **Study**
 - Randomized comparative trial
 - 118 centers in United States
- **Subjects**
 - N = 3070 with chronic hepatitis C
 - All genotype 1 (other genotypes excluded)
 - Treatment naïve
 - Subjects were 18 years of age or older
- **Regimens (Ribavirin Dosed by Weight)**
 - Peginterferon alfa-2b: 1.5 µg/kg 1x/week + Ribavirin 800-1400 mg/day*
 - Peginterferon alfa-2b: 1.0 µg/kg 1x/week + Ribavirin 800-1400 mg/day*
 - Peginterferon alfa-2a: 180 µg 1x/week + Ribavirin 1000-1200 mg/day^
- **Primary Endpoint (Sustained Virologic Response [SVR])**
 - SVR = Undetectable serum HCV RNA 24 weeks after 48-week treatments

*Ribavirin dosing: 40-65 kg: 800 mg/d; >65-85 kg: 1000 mg/d; >85-105 kg: 1200 mg/d; >105-120 kg: 1400 mg/d

^Ribavirin dosing: < 75 kg: 1000 mg/d; ≥75 kg: 1200 mg/d

Peginterferon alfa-2b + Ribavirin vs Peginterferon alfa-2a + Ribavirin

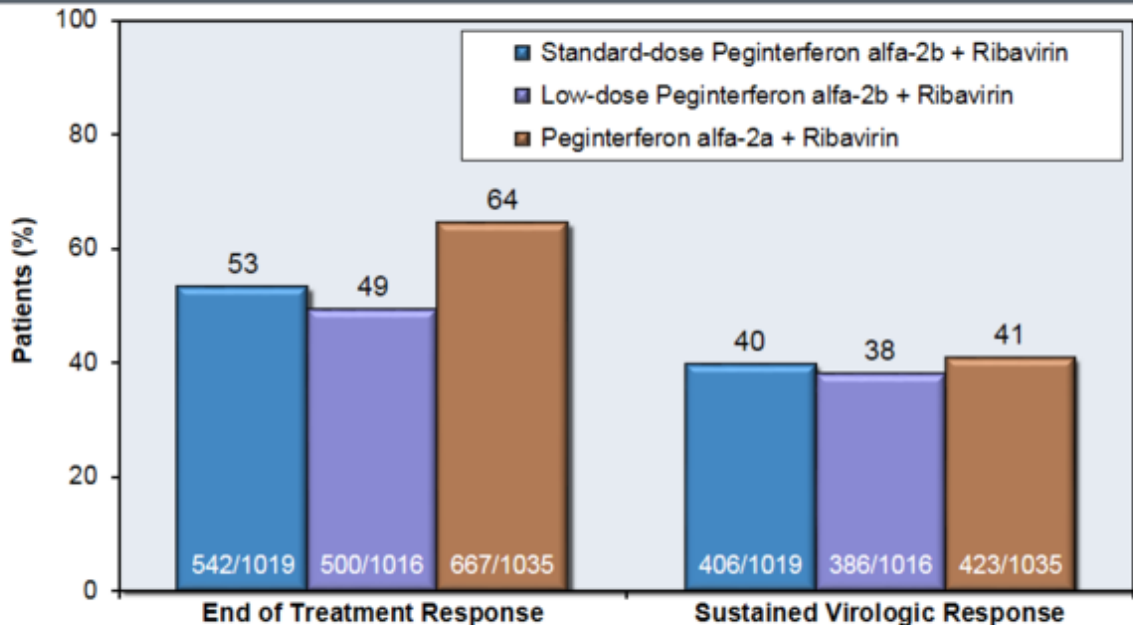
IDEAL Study: Design



Peginterferon alfa-2b + Ribavirin vs Peginterferon alfa-2a + Ribavirin

IDEAL Study: Results

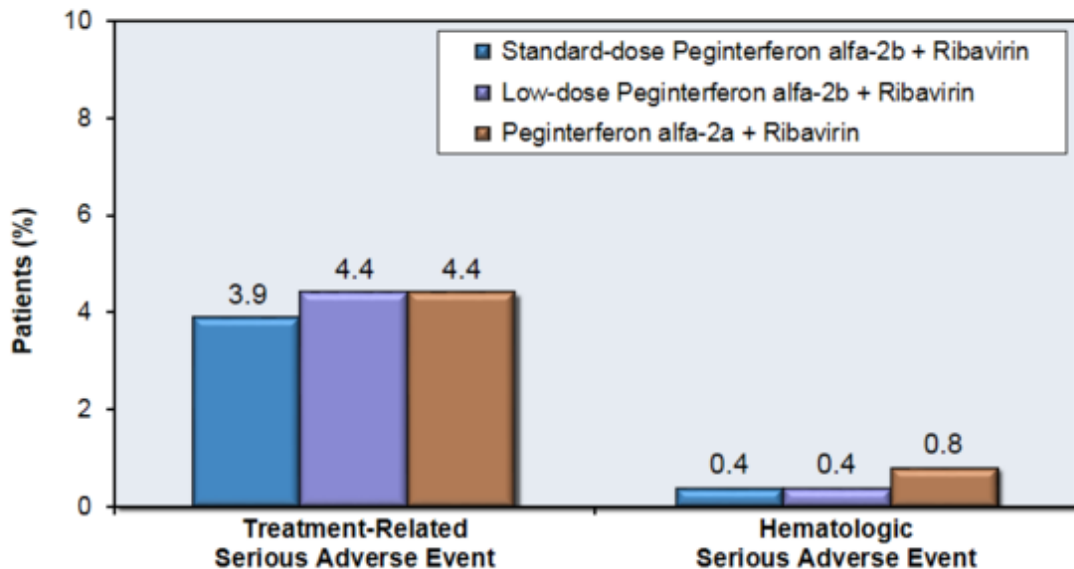
IDEAL Study: Virologic Responses by Treatment Regimen



Peginterferon alfa-2b + Ribavirin vs Interferon alfa-2a + Ribavirin

IDEAL Study: Results

IDEAL Study: Serious Adverse Event Rates



Peginterferon alfa-2b + Ribavirin vs Peginterferon alfa-2a + Ribavirin IDEAL Study: Conclusions

Conclusions: “In patients infected with HCV genotype 1, the rates of sustained virologic response and tolerability did not differ significantly between the two available peginterferon-ribavirin regimens or between the two doses of peginterferon alfa-2b.”

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/>

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