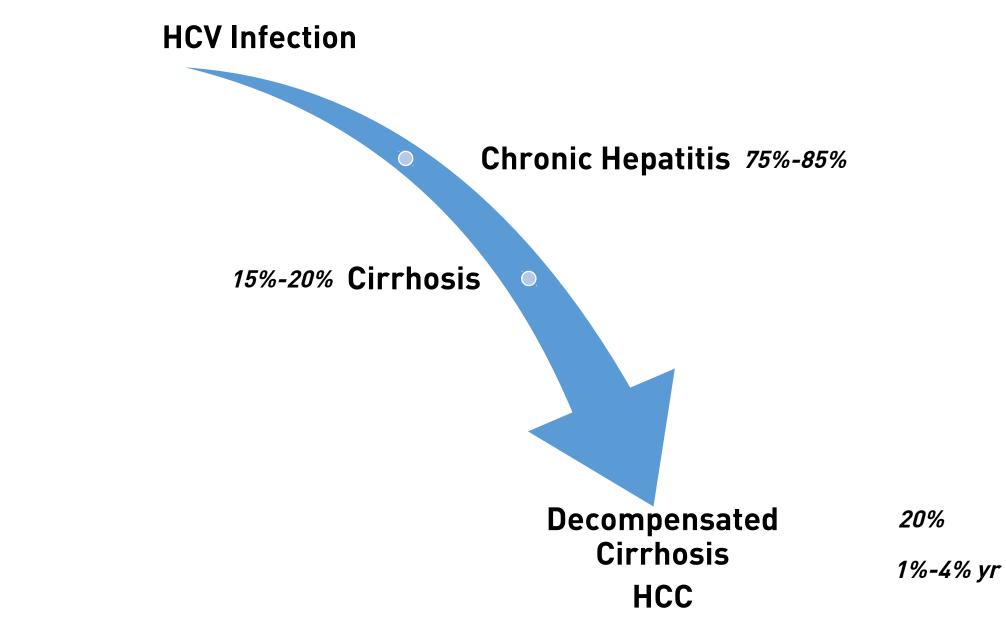
CURE OF HCV RELATED LIVER DISEASE

Yves Benhamou Hôpital Pitié Salpêtrière Paris



DiBisceglie A. et al. Hepatology 2000

Almost All HCV-Infected Patients Can Achieve SVR

GT 1 – 6





D. Cirrhosis



SVR \rightarrow 90% = Cure of HCV Infection \rightarrow 90%

Anti-HCV Treatment Objectives

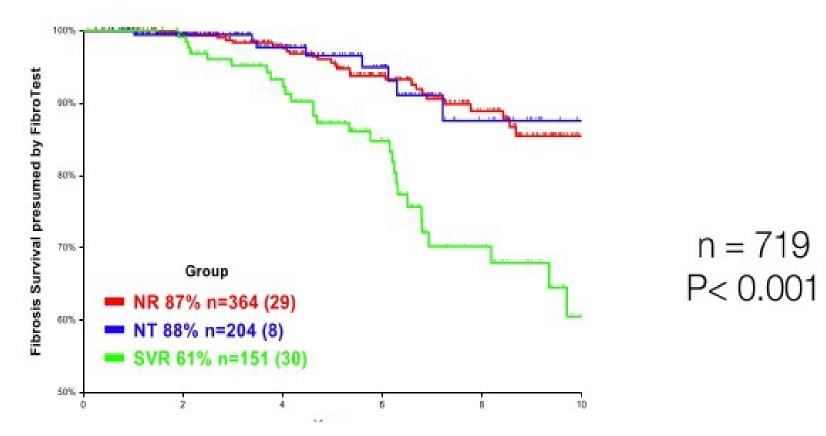
- 1. Stop/reverse liver fibrosis progression
- 2. Prevent/reverse cirrhosis
- 3. Prevent liver decompensation and HCC
- 4. Reduce liver related mortality

HCV eradication may achieve these objectives?

Fibrosis regression

IFN based therapy experience

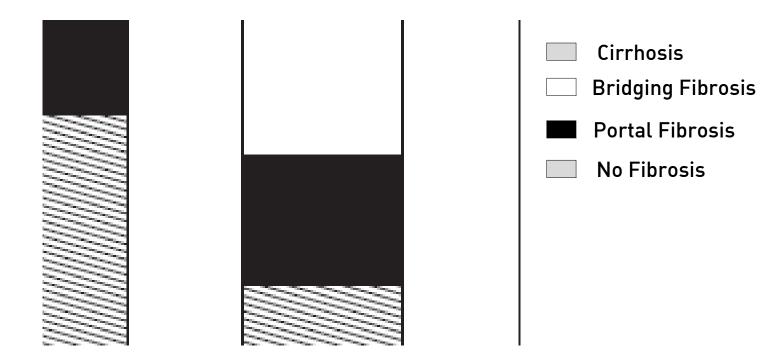
Fibrosis « survival » according to virologic response: Proportion of patients without fibrosis regression using FibroTest (\rightarrow 0,20)



Poynard T. et al. J Hepatol 2013

Fibrosis regression *IFN based therapy experience*

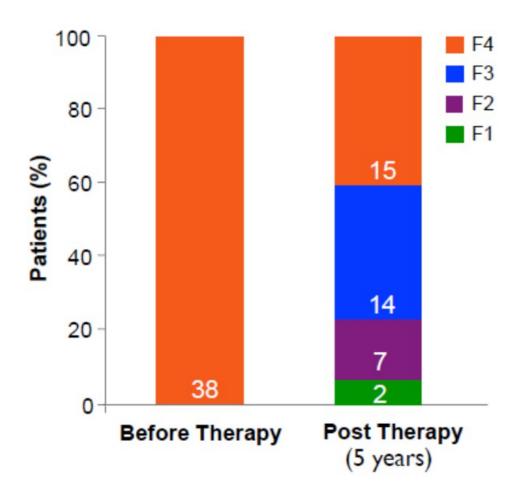
Fibrosis degree at a second biopsy 5 years after SVR (n=122) grouped according to the degree of fibrosis at first biopsy



Shiffman M. et al. Ann Hepatol. 2014

Cirrhosis reversion

IFN based therapy experience

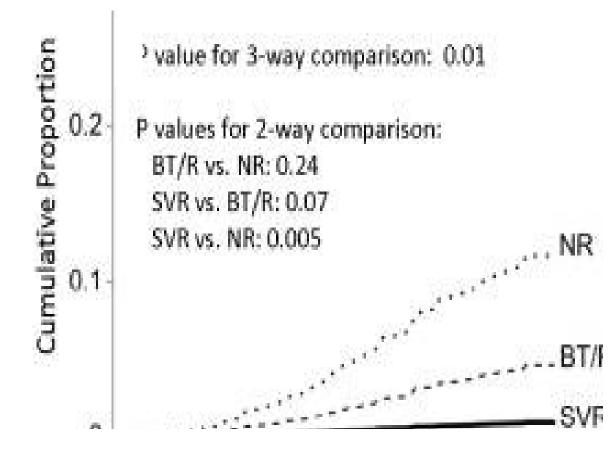


D'Abrosio R. et al. Hepatology 2013

Liver Decompensation

IFN based therapy experience

Proportion of liver decompensation according to virologic response

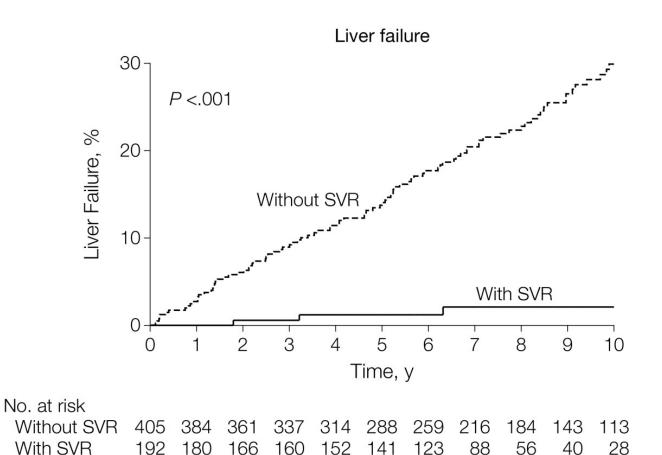


Timothy RM. et al. Hepatology 2010

Liver Decompensation

IFN based therapy experience

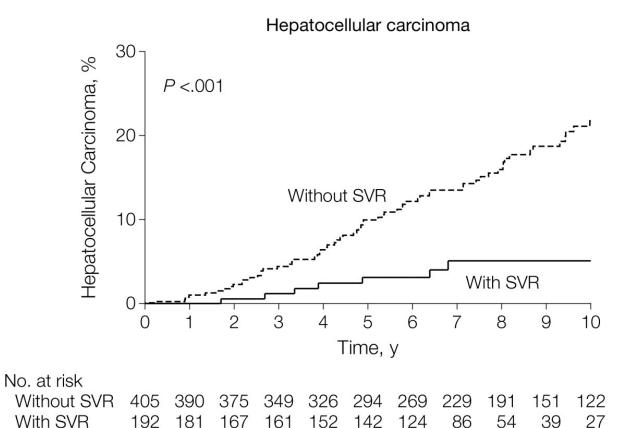
Proportion of liver failure according to virologic response



Van der Meer AJ. et al. JAMA 2012

Hepatocellular Carcinoma

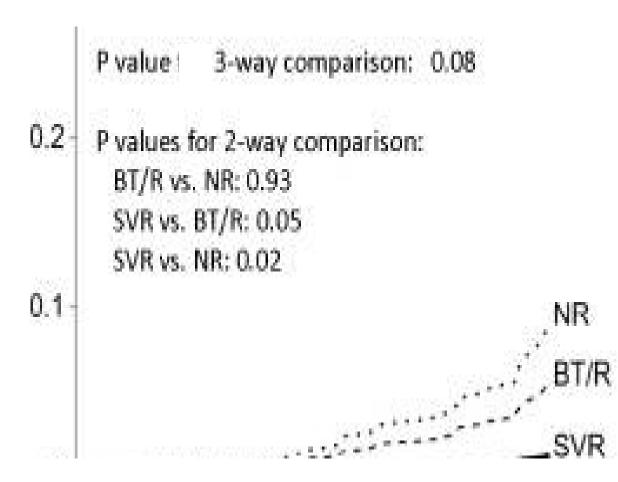
IFN based therapy experience



Van der Meer AJ. et al. JAMA 2012

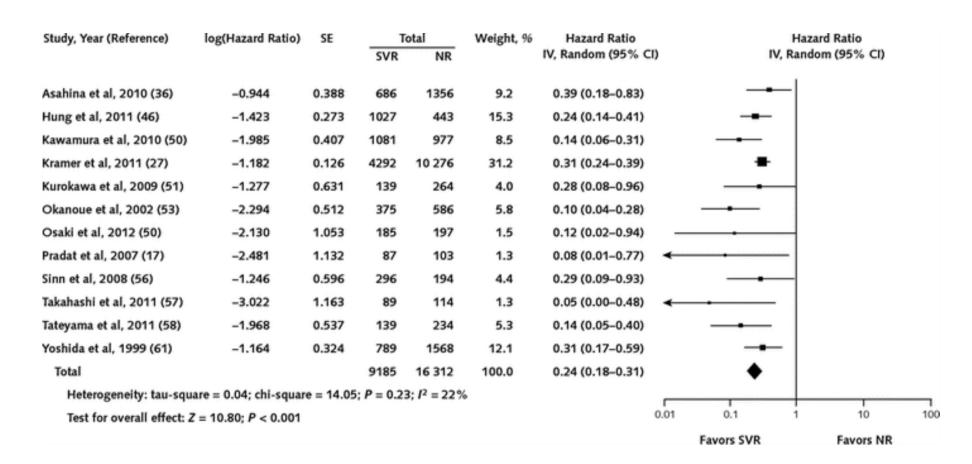
Hepatocellular Carcinoma

IFN based therapy experience



Timothy RM. et al. Hepatology 2010

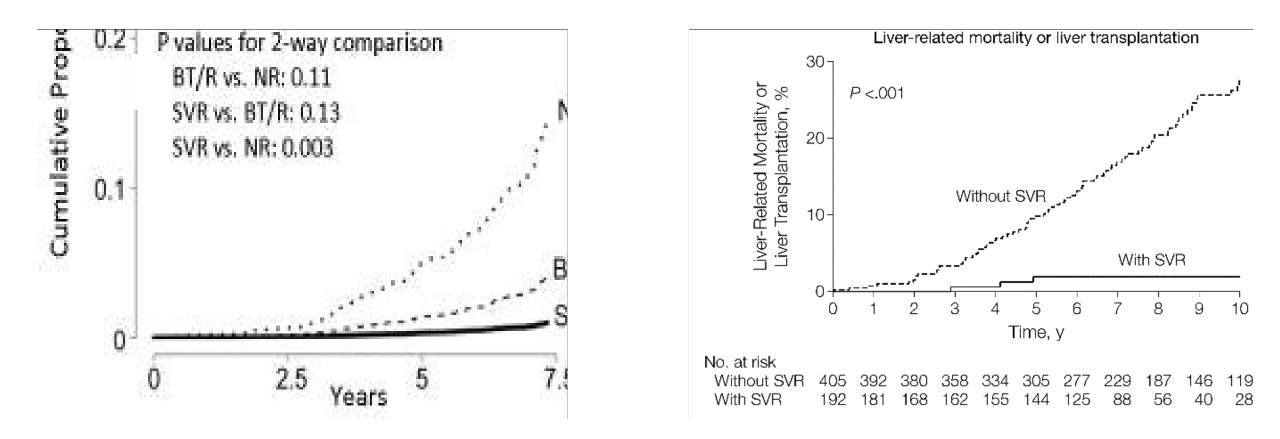
Hepatocellular Carcinoma



Morgan RL. Et al. Ann Intern Med. 2013

Liver Related Mortality

IFN based therapy experience



Van der Meer AJ. et al. JAMA 2012

Timothy RM. et al. Hepatology 2010

HCV CURE

HCV CURE

HCV CURE

HCV CURE

HCV CURE

FIBROSIS REGRESSION

CIRRHOSIS REVERSION 50%-60% at 5 yrs

LD PREVENTION

HCC PREVENTION 5-10 fold risk reduction

MORTALITY REDUCTION 2-3 fold risk reduction

HCV CURE

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HCV CURE

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HCV CURE











- Residual proportion of patients (1-7%) may not normalize ALT despite SVR and are are risk of progression to cirrhosis, LD个 or HCC
 - Investigations for other causes (NASH, Drug-induced hepatotoxicity, Alcohol abuse ...)
 - Cirrhosis may not reverse in all the cases
 - HCC screening advised
 - Cirrhosis reversion monitoring using non invasive methods
 - Viral hepatitis represent only~2/3 of liver diseases