

A CONTINUING MEDICAL EDUCATION ACTIVITY

THE 46TH ANNUAL MEETING OF THE EUROPEAN ASSOCIATION FOR THE STUDY OF THE LIVER (EASL)

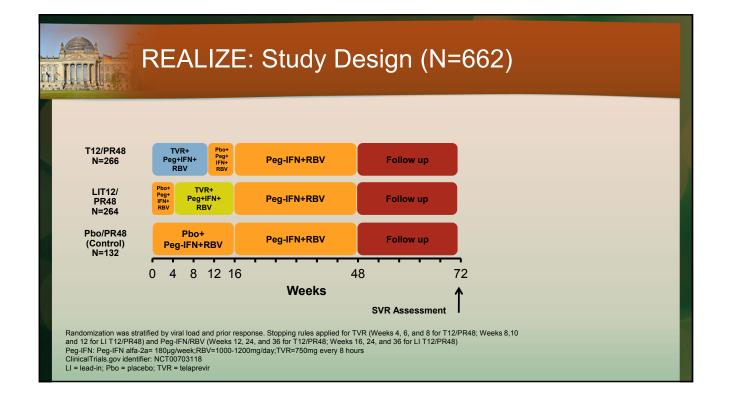
Online Expert Poster Review and Discussion

Jointly sponsored by the Postgraduate Institute for Medicine and ViralEd, LLC.

REALIZE Trial Final Results: Telaprevir-based Regimen for Genotype 1
Hepatitis C Virus Infection in Patients with Prior Null Response, Partial
Response or Relapse to Peginterferon/Ribavirin

S Zeuzem, P Andreone, S Pol, EJ Lawitz, M Diago, S Roberts, R Focaccia, ZM Younossi, GR Foster, A Horban, PJ Pockros, R Van Heeswijk, S De Meyer, D Luo, G Picchio, M Beumont

46th EASL Congress, Berlin, Germany March 30-April 3, 2011 Abstract 5

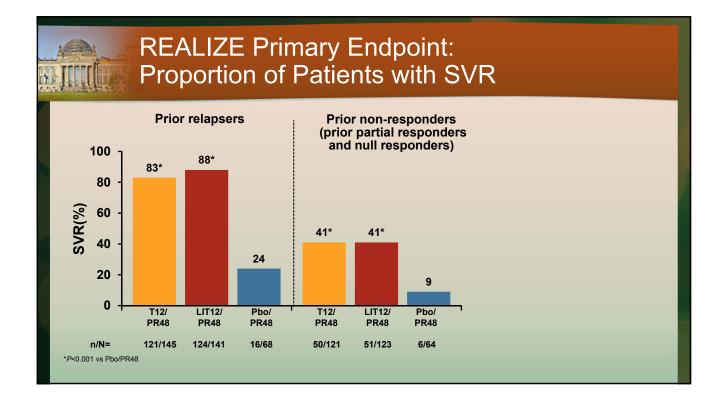


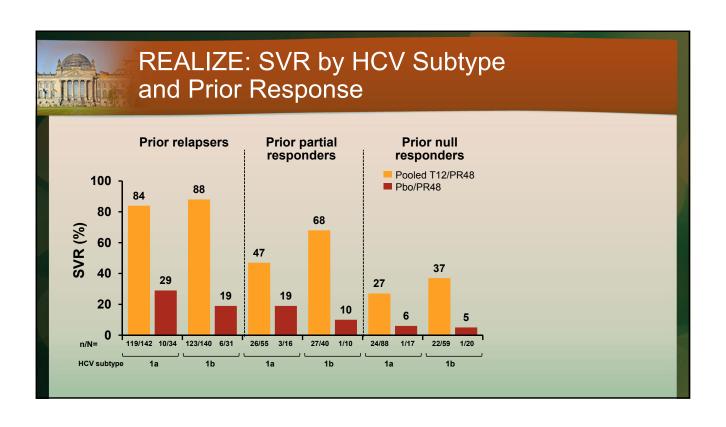


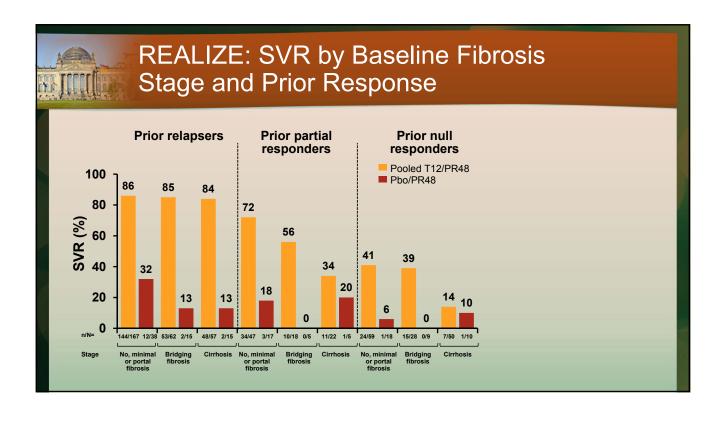
REALIZE: Baseline Characteristics

Characteristic	T12/PR48 (N=266)	LI T12/PR48 (N=264)	Pbo/PR48 (N=132)
Male, n(%)	183 (69)	189 (72)	88 (67)
Caucasian race, n (%)	246 (92)	252 (95)	117 (89)
Black race, n (%)	11 (4)	8 (3)	11 (8)
Years of age, median (range)	51 (23-69)	51 (24-70)	50 (21-69)
HCV RNA ≥ 800,000 IU/mL, n (%)*	238 (89)	234 (89)	114 (86)
Body mass index, mean (SD)	28 (5.0)	27 (4.8)	27 (4.6)
HCV genotype, n (%)‡			
1a	136/262 (52)	149/262 (57)	67/128 (52)
1b	126/262 (48)	113/262 (43)	61 /128(48)
Prior response, n (%)			
Null responder	72 (27)	75 (28)	37 (28)
Partial responder	49 (18)	48 (18)	27 (20)
Relapser	145 (55)	141 (54)	68 (52)
Bridging fibrosis, n (%)§	60 (23)	58 (22)	29 (22)
Cirrhosis, n (%)§	72 (27)	67 (25)	30 (23)

 $^{\star} Determined \ using \ the \ HCV \ COBAS \ TaqMan \& \ assay \ version \ 2.0; \ ^{\star} \ Determined \ by \ NS3 \ sequencing; \ ^{\S} \ Defined \ by \ local \ pathologists$









REALIZE: Patients Who Did Not Achieve an SVR

Category, n(%)	T12/PR48 (N=266)	LI T12/PR48 (N=264)	Pbo/PR48 (N=132)
Patients without SVR	95 (36)	89 (34)	110 (83)
On-treatment virologic failure*	52 (20)	45 (17)	68 (52)
Prior relapsers	2 (1)	1 (<1)	18 (14)
Prior partial and null responders	50 (19)	44 (17)	50 (38)
Detectable HCV RNA at EOT, no viral breakthrough	11 (4)	9 (3)	12 (9)
Relapse [‡]	26 (10)	27 (10)	30 (23)
Completed treatment	14 (5)	18 (7)	28 (21)
Prematurely discontinued treatment	12 (5)	9 (3)	2 (2)
Undetectable HCV RNA at EOT, discontinued study before SVR	6 (2)	8 (3)	0

*Includes patients with viral breakthrough and/or patients who discontinued due to a virologic stopping rule

Relapse rate calculated relative to total number of patient in full analysis set; EOT = end of treatment



REALIZE: AEs Occurring in ≤25% of Patients During any Treatment Phase

Patients, n(%)	T12/PR48 (N=266)	LI T12/PR48 (N=264)	Pbo/PR48 (N=132)
Fatigue	145 (55)	131 (50)	53 (40)
Pruritus	138 (52)	132 (50)	36 (27)
Headache	112 (42)	109 (41)	49 (37)
Rash	99 (37)	95 (36)	25 (19)
Nausea	94 (35)	87 (33)	31 (23)
Influenza-like illness	85 (32)	94 (36)	33 (25)
Anemia	79 (30)	94 (36)	20 (15)
Anorectal symptoms	75 (28)	59 (22)	10 (8)
Insomnia	68 (26)	84 (32)	34 (26)
Diarrhea	66 (25)	69 (26)	18 (14)
Pyrexia	60 (23)	71 (27)	36 (27)
Cough	62 (23)	66 (25)	26 (20)
Asthenia	51 (19)	60 (23)	38 (29)

Shading indicates AEs with an incidence >10% greater in the T12/PR48arm compared with Pbo/PR48



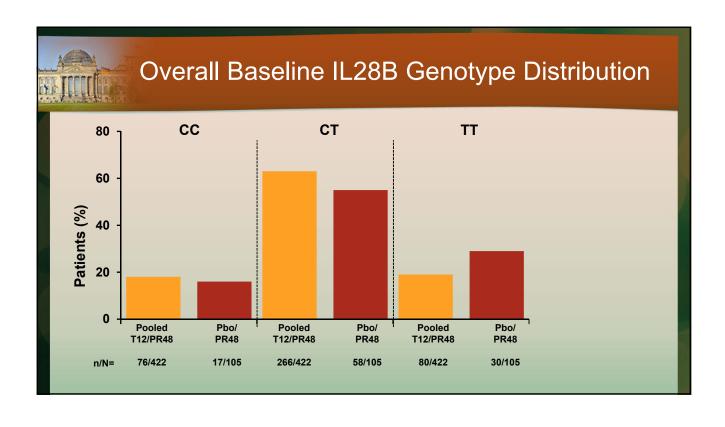
REALIZE: AEs Leading to Study Drug Discontinuation

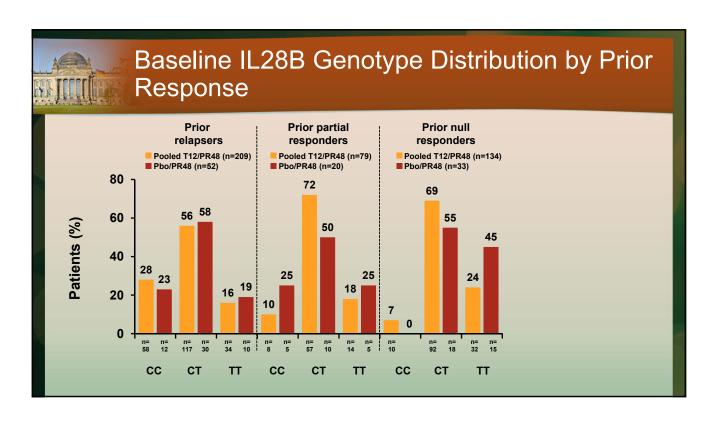
	T12/PR48 (N=266)	LI T12/PR48 (N=264)	Pbo/PR48 (N=132)		
Discontinuation of all study drugs during TVR treatment phase, n (%)					
Any AE	17(6)	11(4)	4(3)		
Rash events	2(1)	2(1)	0		
Anemia events	2(1)	2(1)	0		
Pruritus	0	1(<1)	0		
Anorectal signs and symptoms	2(1)	0	0		
Discontinuation of all study drugs during TVR treatment phase, n (%)					
Any AE	39(15)	29(11)	4(3)		
Rash events	12(5)	10(4)	0		
Anemia events	6(2)	9(3)	0		
Pruritus	1(<1)	3(1)	0		
Anorectal signs and symptoms	2(1)	1(<1)	0		

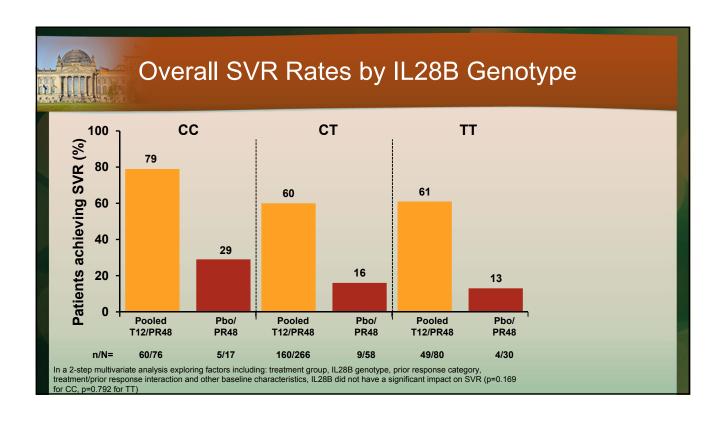


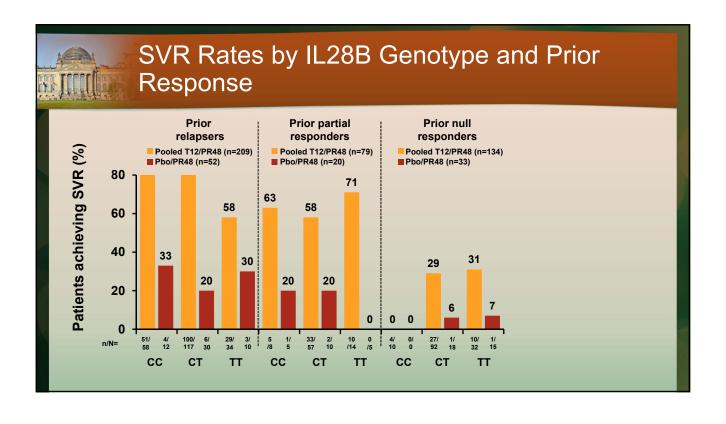
REALIZE: Conclusions

- TVC/Peg-IFN/RBV was superior to Peg-IFN/RBV alone in treatment –experienced populations including prior relapers, partial responders and null responders
- In TVR-treated patients, the use of a 4-week lead-in phase with Peg-IFN/RBV showed
 - No reduction in virologic failure and relapse rates
 - No improvement in SVR rates
- Safety data were comparable with previous TVR studies
- AEs leading to permanent discontinuation of study drugs (mainly anemia and rash events) were more frequent in the TVR group than in the control group











Conclusions

- Response rates were consistently higher and relapse rates lower with TVR-based therapy versus Peg-IFN/RBV alone
- Response rates with TVR-based therapy were similar across IL28B genotypes
 - SVR rates were highest in patients with CC genotype (79%), but SVR rates for CT and TT genotypes were also high (60–61%)
 - Relapse and viral breakthrough rates similar across genotypes
 - Lower SVR rates and higher viral breakthrough rates in prior null responders, irrespective of IL28B genotype
- IL28B genotype may have limited predictive value in patients with prior Peg-IFN/RBV treatment failure receiving a TVR-based regimen