

C-SURGE Study: Demographics

Demographics	16 Weeks + RBV, n=44*	24 Weeks without RBV, n=49	Overall GT1 N=93*
Male, n (%)	37 (84)	43 (88)	80 (86)
Age, median years, (range)	61.0 (33 to 70)	60.0 (25 to 71)	60.0 (25 to 71)
Race, White, n (%)	31 (71)	37 (76)	68 (73)
HCV Genotype 1a, n (%)	40 (91)	40 (82)	80 (86)
Non-cirrhotic, n (%) Cirrhotic, n (%)	25 (57) 19 (43)	27 (55) 21 (43) [†]	52(56) 40 (43)
NS5A RASs at baseline, n (%) [‡] NS3 RASs at baseline, n (%) [‡]	32 (79) 25 (57)	46 (94) 35 (71)	78 (84) 60 (65)
Baseline HCV RNA >2,000,000 IU/mL, n (%)	29 (66)	33 (67)	62 (67)
Median baseline HCV RNA (log ₁₀ lU/mL)	6.5	6.4	6.5
Previously failed: 12-24 weeks of LDV/SOF 8 weeks of LDV/SOF 12 weeks of EBR/GZR	26 (59) 9 (20) 9 (20)	31 (63) 5 (10) 13 (27)	57 (61) 14 (15) 22 (24)

ALC: NEW

The

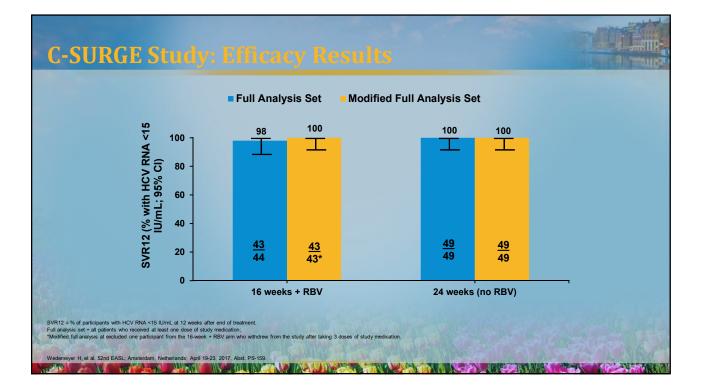
Does not include 1 participant in the 16 week + RBV arm who withdrew prior to beginning treatment. irrhosis = Liver biopsy at any time showing cirrhosis, Fibroscan result of >12.5kPa within 12 month of enrollment, or Fibrotest >0.75 and APRI >2 at time of enrollment.

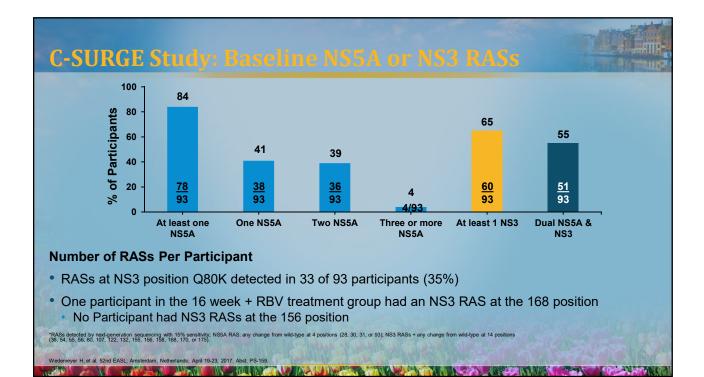
neyer D , et al. 52nd EASL; Amsterdam, Netherlands; April 19-23, 2017. Abst. PS-159.

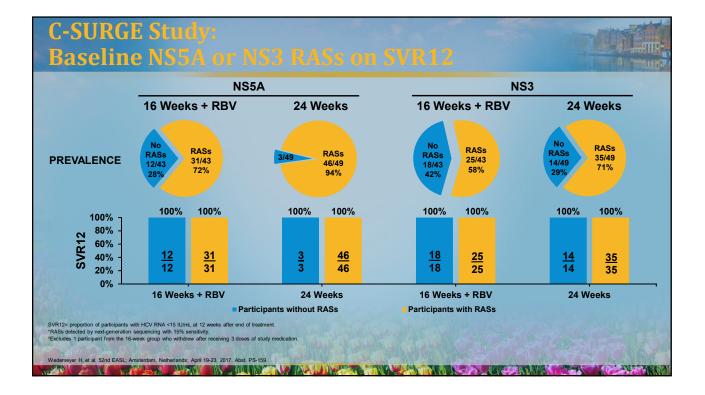
A MARCHINE AND

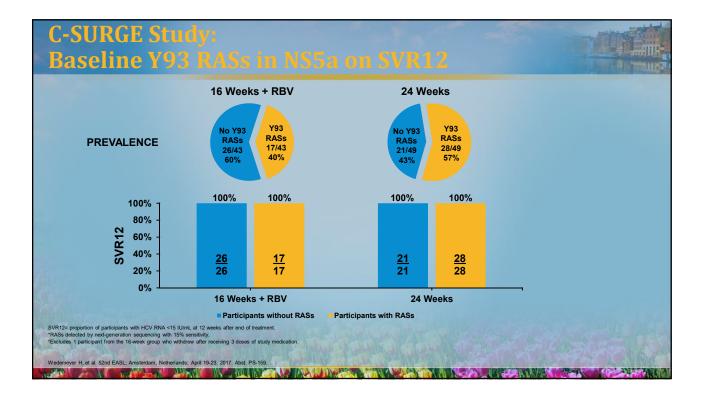
APPENDED I

¹ One participant in 24 week am had unknown cirthosis status *NSSA RASs ary change from wild-type at 4 positions (28, 30, 31, or 93). NS3 RASs = any change from wild-type at 14 positions (36, 54, 55, 56, 80, 107, 122, 132, 155, 156, 168, 170, or 175). RASs detected by next generation sequencing performed with a 15% sensitivity threshold.









C-SURGE Study: Adverse Events

Tolerability	16 Weeks + RBV, n=44	24 Weeks Without RBV, n=49	Overall GT1 N=93
One or more AEs, n (%)	40 (91)	39 (80)	79 (85)
Drug-related AE, n (%)	32 (73)	23 (47)	55 (59)
Serious AE, n (%)	1 (2)	4 (8)	5 (5)*
Drug-related serious AE, n (%)	0 (0)	0 (0)	0 (0)
Death, n (%)	0 (0)	0 (0)	0 (0)
Discontinuation due to AE, n (%)	0 (0)	0 (0)	0 (0)
Hemoglobin <10 g/dL, n (%)	4 (9)	0 (0)	4 (4)
Direct bilirubin >5x baseline, n (%)	0 (0)	0 (0)	0 (0)
Late ALT/AST >5x ULN, n (%)	0 (0)	0 (0)	0 (0)
Creatinine grade 2 (1.4-1.8x ULN), n (%)	0 (0)	1 (2)	1 (1)
Most common AEs (>10%), n (%) Fatigue Headache Diarrhea	21 (48) 6 (14) 3 (7)	12 (24) 6 (12) 5 (10)	33 (35) 12 (13) 8 (9)
Pruritus	5 (11)	0 (0)	5 (5)
Rash	6 (14)	2 (4)	8 (9)

C-SURGE Study: Summary

- Grazoprevir (GZR)/ruzasvir (RZR)/uprifosbuvir (UPR) ± ribavirin (RBV) was highly effective in GT1 participants who previously failed an NS5A inhibitor-containing direct-acting antiviral regimen
 - Cirrhosis had no impact on efficacy

neyer D , et al. 52nd EASL; Amsterdam, Netherlands; April 19-23, 2017. Abst. PS-159

100

ALC: NO.

- 16 weeks of GZR/RZR/UPR + RBV resulted in SVR12 rate of 98% (43/44)
 One participant withdrew from the study after receiving 3 doses of study medication
- 24 weeks of GZR/RZR/UPR alone resulted in SVR12 rate of 100% (49/49)
- High efficacy was observed despite a high prevalence of baseline NS3 and NS5A RASs in this population
- Treatment was generally safe and well tolerated