Advances in Chronic Hepatitis C: Management and Treatment

NDEPENDENT REPORTING ON AASLD 2016

COMPREHENSIVE EXPERT REVIEW AND DISCUSSION OF KEY PRESENTATIONS

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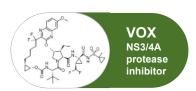
Sofosbuvir/Velpatasvir/Voxilaprevir for 12 Weeks as a Salvage Regimen in NS5A Inhibitor-Experienced Patients with Genotype 1–6 Infection: The Phase 3 POLARIS-1 Study

Marc Bourlière, Stuart C. Gordon, Alnoor Ramji, Natarajan Ravendhran, Tram T. Tran, Robert H. Hyland, Jie Zhang, Hadas Dvory-Sobol, Luisa M. Stamm, Diana M. Brainard, G. Mani Subramanian, John G. McHutchison, Ziad H. Younes, Michael P. Curry, Eugene R. Schiff, K. Rajender Reddy, Michael P. Manns

Abstract 194

POLARIS-1: Pangenotypic Single Tablet Regimen with Inhibitors of HCV NS5B (Nucleotide) + NS5A + NS3







Sofosbuvir (SOF)/Velpatasvir (VEL)

- SOF: Nucleoside polymerase inhibitor with activity against HCV GT 1-6
- VEL: Potent pangenotypic NS5A inhibitor

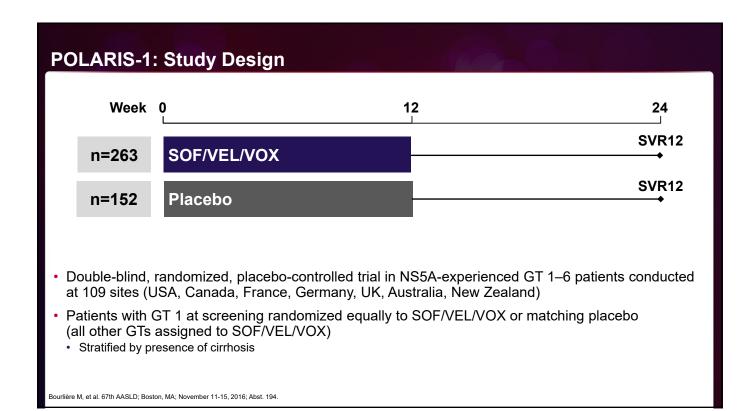
Voxilaprevir (VOX)

 HCV NS3/4A PI with potent antiviral activity against GT 1-6, including most RASs

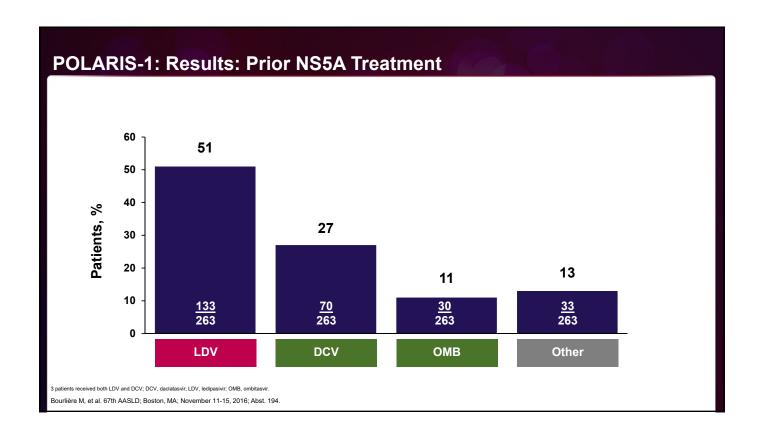
SOF/VEL/VOX

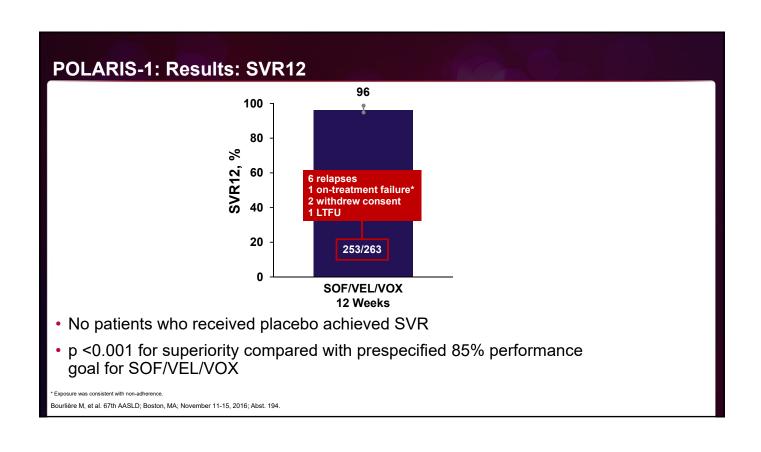
 Once daily, oral, fixed-dose combination (400/100/100 mg) for GT 1-6

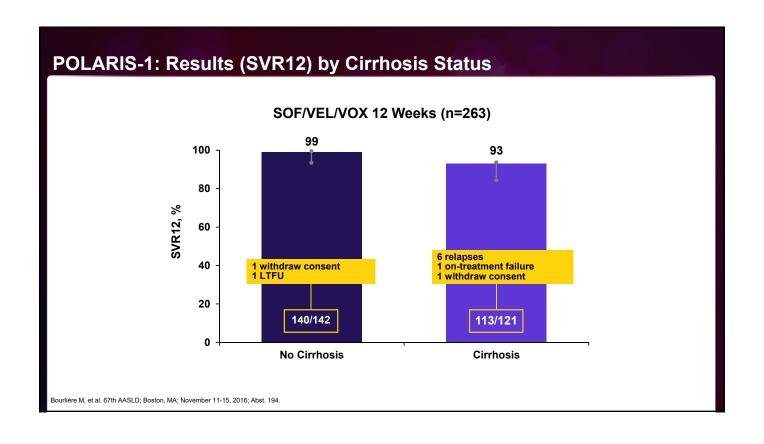
Bourlière M, et al. 67th AASLD; Boston, MA; November 11-15, 2016; Abst. 194.

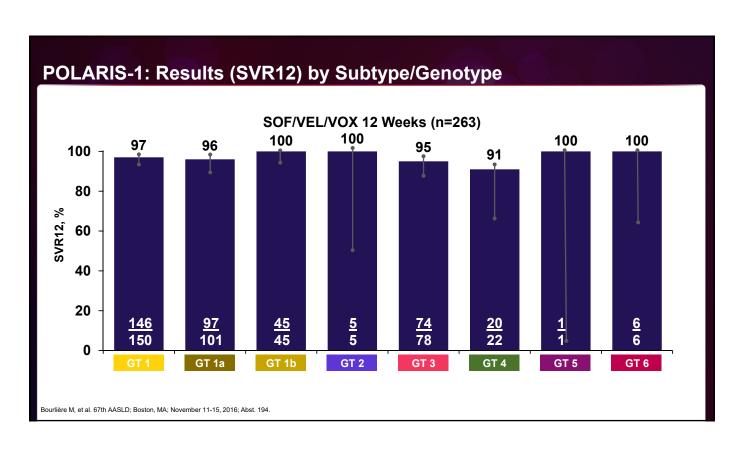


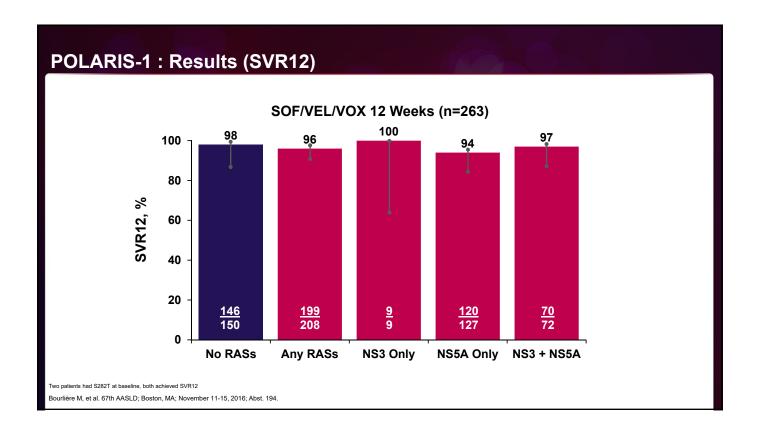
		SOF/VEL/VOX 12 weeks n=263	Placebo 12 weeks n=152
Mean age, y (range)		58 (27–84)	59 (29–80)
Male, n (%)		200 (76)	121 (80)
White, n (%)		211 (80)	124 (82)
Mean BMI, kg/m² (range)		29 (18–67)	29 (18–61)
Cirrhosis, n (%)		121 (46)	51 (34)
	1a / 1b / Other	101 (38) / 45 (17) / 4 (2)	117 (77) / 31 (20) / 2 (1)
	2	5 (2)	_
Genotype, n (%)	3	78 (30)	_
	4	22 (8)	_
	5 / 6 / Unknown	1 (<1) / 6 (2) / 1 (<1)	0 / 2 (1) /0
IL28B CC, n (%)		47 (18)	27 (18)
Mean HCV RNA, log ₁₀ IU/mL (range)		6.3 (1.6–7.7)	6.3 (3.7–7.6)

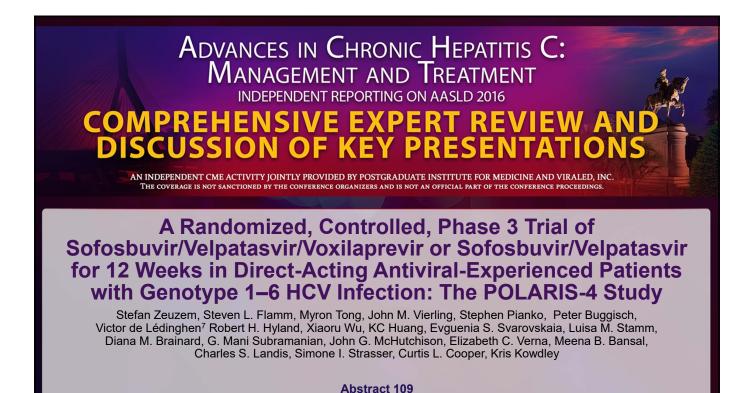


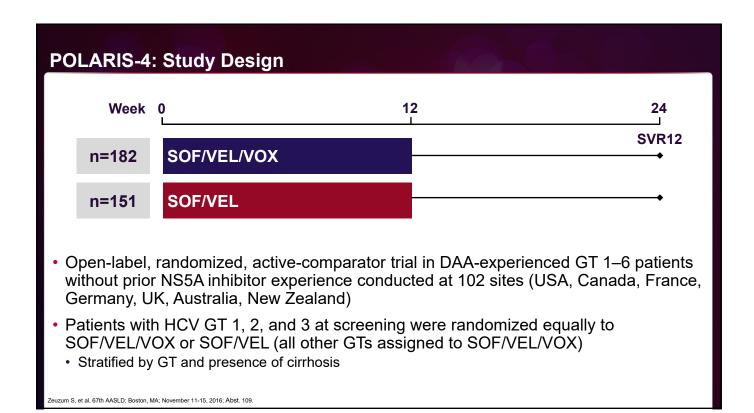










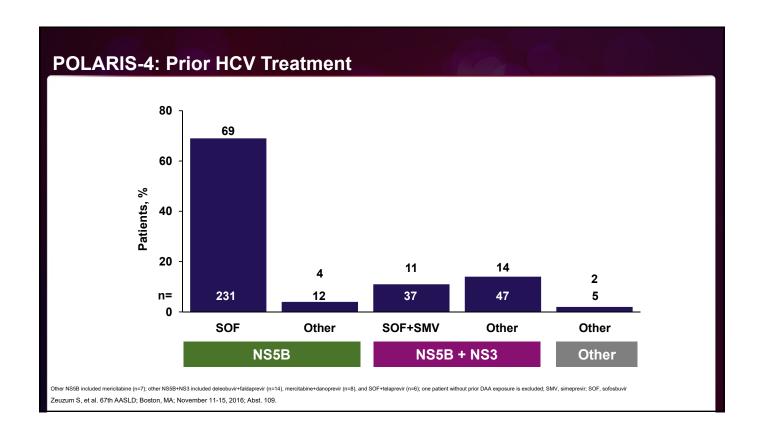


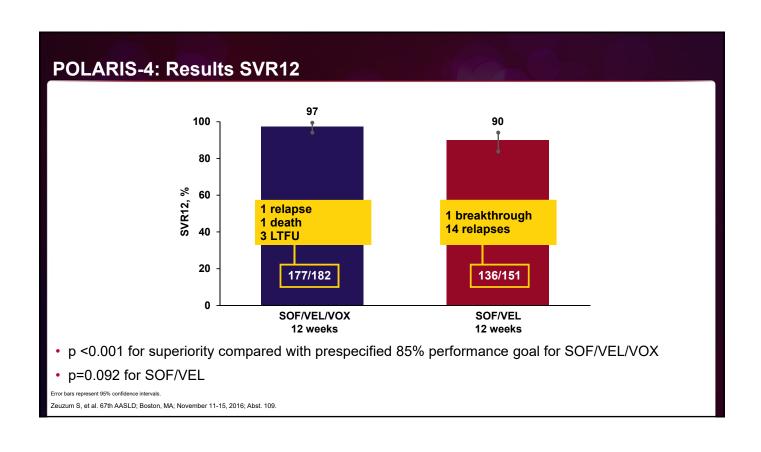
POLARIS-4: Demographics

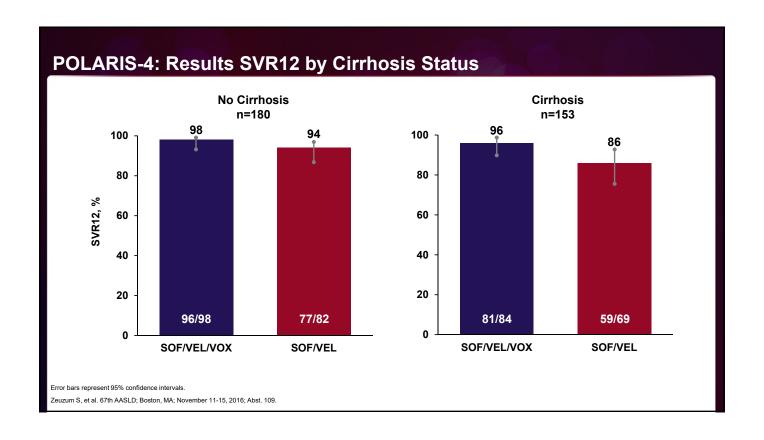
- Randomized controlled trial of persons who failed non-NS5A containing DAA regimens (SOF 73% or SOF+RBV/IFN)
 - SOF/VEL/VOX for 12 weeks (n=182) versus SOF/VEL for 12 weeks (n=151)

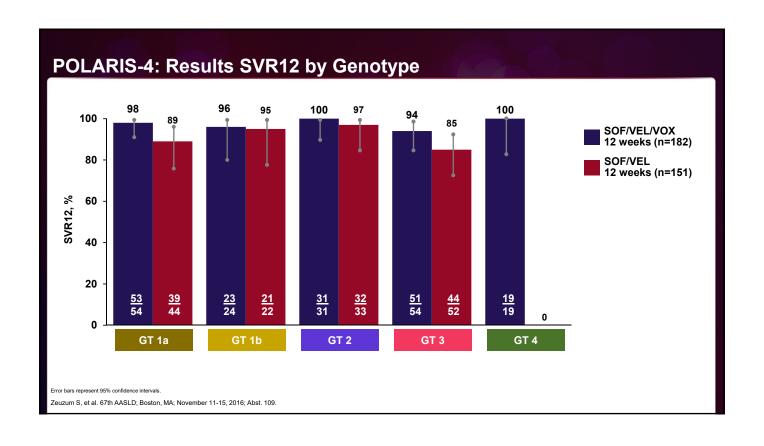
		SOF/VEL/VOX 12 Weeks n=182	SOF/VEL 12 Weeks n=151
Mean age, y (range)		57 (25-85)	57 (24-80)
Male, n (%)		143 (79)	114 (75)
White, n (%)		160 (88)	131 (87)
Mean BMI, kg/m² (range)		29 (18-45)	29 (18-53)
Cirrhosis, n (%)		84 (46)	69 (46)
Genotype, n (%)	1a / 1b	54 (30) / 24 (13)	44 (29) / 22 (14)
	2	31 (71)	33 (22)
	3	54 (30)	52 (34)
	4	19 (10)	-
IL28B CC, n (%)		33 (18)	29 (19)
Mean HCV RNA, log ₁₀ IU/mL (range)		6.3 (5.0 – 7.5)	6.3 (3.6 - 7.3)

Zeuzum S, et al. 67th AASLD; Boston, MA; November 11-15, 2016; Abst. 109

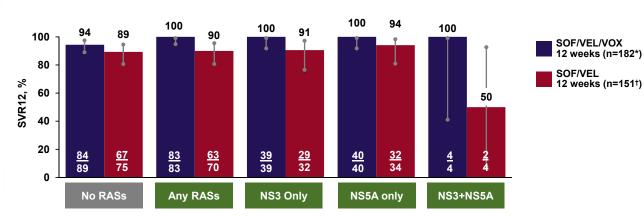












- Twenty-two patients had NS5B RASs all achieved SVR12
- · No treatment-emergent RASs were observed in the patient who relapsed following SOF/VEL/VOX
- In the SOF/VEL group, 10 of the 15 patients with virologic failure developed Y93H or Y93C

10 patients and †6 patients were excluded due to incomplete RAS data; RASs were analyzed using a 15% cut off; error bars represent 95% confidence intervals Zeuzum S, et al. 67th AASLD; Boston, MA; November 11-15, 2016; Abst. 109.

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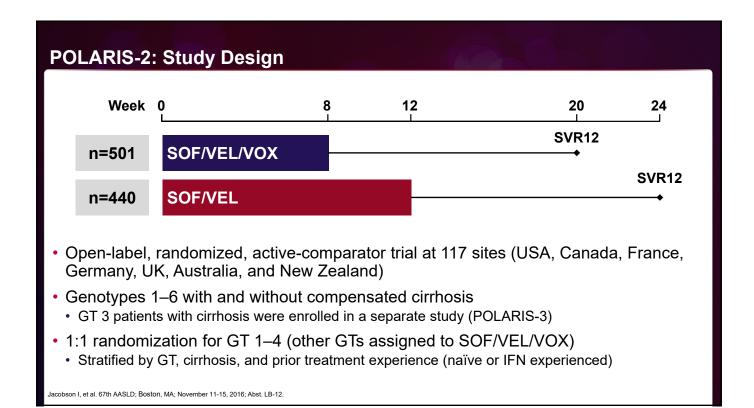
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A Randomized Phase 3 Trial of Sofosbuvir/Velpatasvir/Voxilaprevir for 8 Weeks Compared to Sofosbuvir/Velpatasvir for 12 Weeks in DAA-Naïve Genotype 1–6 HCV Infected Patients: The POLARIS-2 Study

Ira M. Jacobson, Tarik Asselah, Ronald Nahass, Bal R. Bhandari, Albert Tran, Robert H. Hyland, Luisa M. Stamm, Hadas Dvory-Sobol, Yanni Zhu, Diana M. Brainard, G. Mani Subramanian, John G. McHutchison, Stephen Shafran, Mitchell Davis, Catherine A. Stedman, Eric Lawitz, Edward J. Gane

Abstract LB-12



POLARIS-2: Demographics

- Open-label
- Treatment-naïve and experienced (interferon/ribavirin only)
- HCV genotype 1, 2, 3, 4, 5, 6

		SOF/VEL/VOX 8 Weeks n=501	SOF/VEL 12 Weeks n=440
Mean age, y (range)		53 (18–78)	52 (19–82)
Male, n (%)		255 (51)	237 (54)
White, n (%)		391 (78)	365 (83)
Mean BMI, kg/m² (range)		27 (17–57)	27 (18–54)
Cirrhosis, n (%)		90 (18)	84 (19)
	1a / 1b / Other	169 (34) / 63 (13) / 1 (<1)	172 (39) / 59 (13) / 1 (<1)
	2	63 (13)	53 (12)
Genotype, n (%)*	3	92 (18)	89 (20)
	4	63 (13)	57 (13)
	5 / 6 / Unknown	18 (4) / 30 (6) / 2 (<1)	0 / 9 (2) / 0
IFN experienced, n (%)		118 (24)	100 (31)
IL28B CC, n (%)		166 (33)	136 (31)
Mean HCV RNA, log ₁₀ IU/mL (range)		6.1 (2.7–7.6)	6.2 (4.0-7.6)

Jacobson I, et al. 67th AASLD; Boston, MA; November 11-15, 2016; Abst. LB-12.

