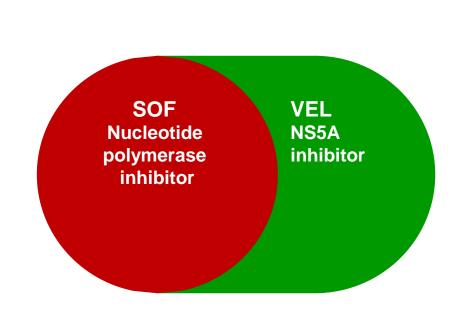


# Sofosbuvir + Velpatasvir + Voxilaprevir in DAA Failure Patients with Cirrhosis Final Results of the French Compassionate Use Program

C HEZODE<sup>1</sup>, D GUYADER<sup>2</sup>, E NGUYEN-KHAC<sup>3</sup>, D LARREY<sup>4</sup>, R TRUCHI<sup>5</sup>, V DI MARTINO<sup>6</sup>, Y CALMUS<sup>7</sup>, A MINELLO FRANZA<sup>8</sup>, N GIUILY GUIGUI<sup>9</sup>, S MOKHTARI<sup>10</sup>, K HARTIG-LAVIE<sup>11</sup>, L COTTE<sup>11</sup>, D RIBARD<sup>12</sup>, MA VALANTIN<sup>7</sup>, L BONYHAY<sup>7</sup>, M ANTONINI<sup>13</sup>, JP BRONOWICKI<sup>14</sup>, JM COMBIS<sup>15</sup>, C PILETTE<sup>16</sup>, C ZAMORA<sup>10</sup>, D POINSOT<sup>11</sup>, JP ARPURT<sup>17</sup>, C RENOU<sup>18</sup>, M BOULIERE<sup>10</sup>, V GRANDO<sup>19</sup>, F ROUDOT-THORAVAL<sup>1</sup>, V CANVA<sup>20</sup>

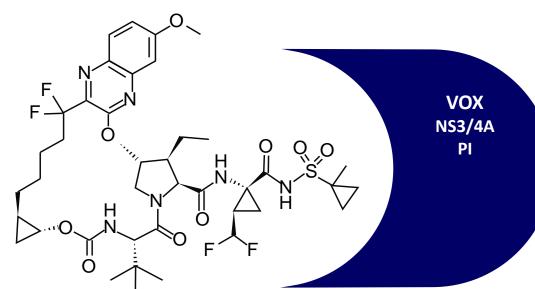
1 CRETEIL, 2 RENNES, 3 AMIENS, 4 MONTPELLIER, 5 NICE, 6 BESANÇON, 7 PARIS, 8 DIJON, 9 CLICHY, 10 MARSEILLE, 11 LYON, 12 NIMES, 13 ORANGE, 14 NANCY, 15 TOULOUSE, 16 LE MANS, 17 AVIGNON, 18 HYERES, 19 BONDY, 20 LILLE, FRANCE

## INTRODUCTION



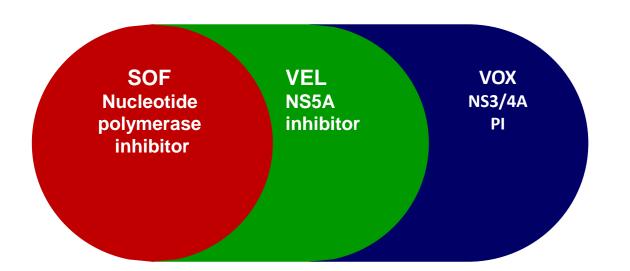
#### Sofosbuvir (SOF)/Velpatasvir (VEL)

- SOF: nucleotide polymerase inhibitor with activity against HCV genotype (GT) 1–6
- GS-331007: predominant circulating metabolite
- VEL: 2<sup>nd</sup>-generation NS5A inhibitor with picomolar potency against HCV GT 1-6



#### Voxilaprevir (VOX)

- HCV NS3/4A PI with potent antiviral activity against HCV GT 1-6
- Favorable resistance profile



#### SOF/VEL/VOX

- Once-daily, oral, fixed-dose combination (400/100/100 mg)
- Demonstrated high efficacy in Phase 3 clinical trials in DAA-naïve and DAA-experienced patients

VOSEVI ▼™, Summary of Product Characteristics. Gilead Sciences Europe Ltd

SOF/VEL/VOX is a single tablet regimen approved for 12 weeks based on the phase 3 POLARIS studies for HCV patients who failed with DAA-containing regimens

Bourlière M, et al. N Engl J Med 2017;376:2134-46

Few data from real-world cohorts exist

# AIM

The objective of this cohort was to Report the efficacy and safety of SOF/VEL/VOX ± RBV in DAA failure patients with cirrhosis included in the French compassionate use program

### ACKNOWLEDGEMENTS

This work has been realized with the support of Gilead Sciences

# CONTACT INFORMATION

christophe.hezode@aphp.fr

### METHOD

#### Key patient eligibility criteria

#### **Inclusion criteria**

- Adult ≥18 years
- HCV chronic infection with positive HCV RNA
- Compensated cirrhosis
- Failure with an all oral DAA-based regimen containing 1st generation NS5A inhibitor

#### **Exclusion criteria**

- Child B or C cirrhosis
- Active cancer disease
- Contra-indication for SOF/VEL/VOX

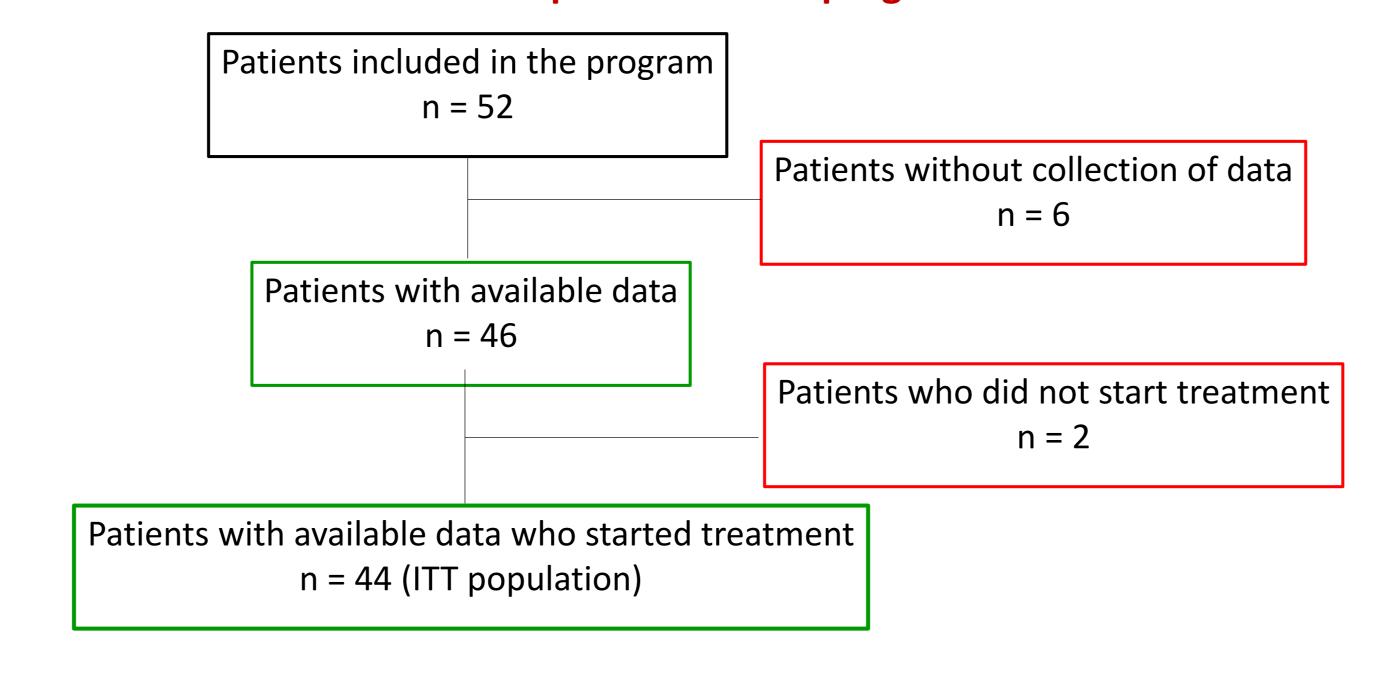
#### **Assessments**

- Primary endpoint was SVR12 rate
- Proportion of patients with HCV RNA <LLOQ 12 weeks post-treatment who</li> received ≥1 dose of SOF/VEL/VOX ± RBV (ITT population)

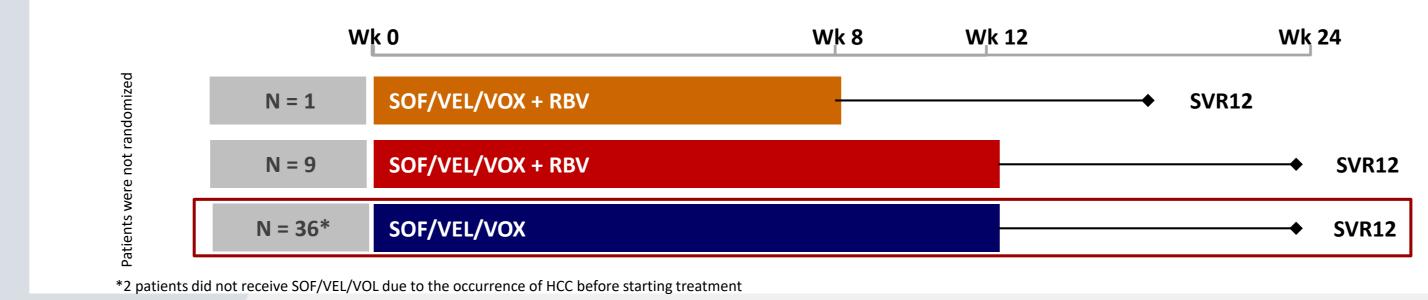
#### Additional assessments:

- On-treatment virologic failure and post-treatment virologic relapse
- Resistance-associated substitutions (RAS) at baseline and at time of failure by next generation sequencing (~15% detection threshold)
- Serious adverse events

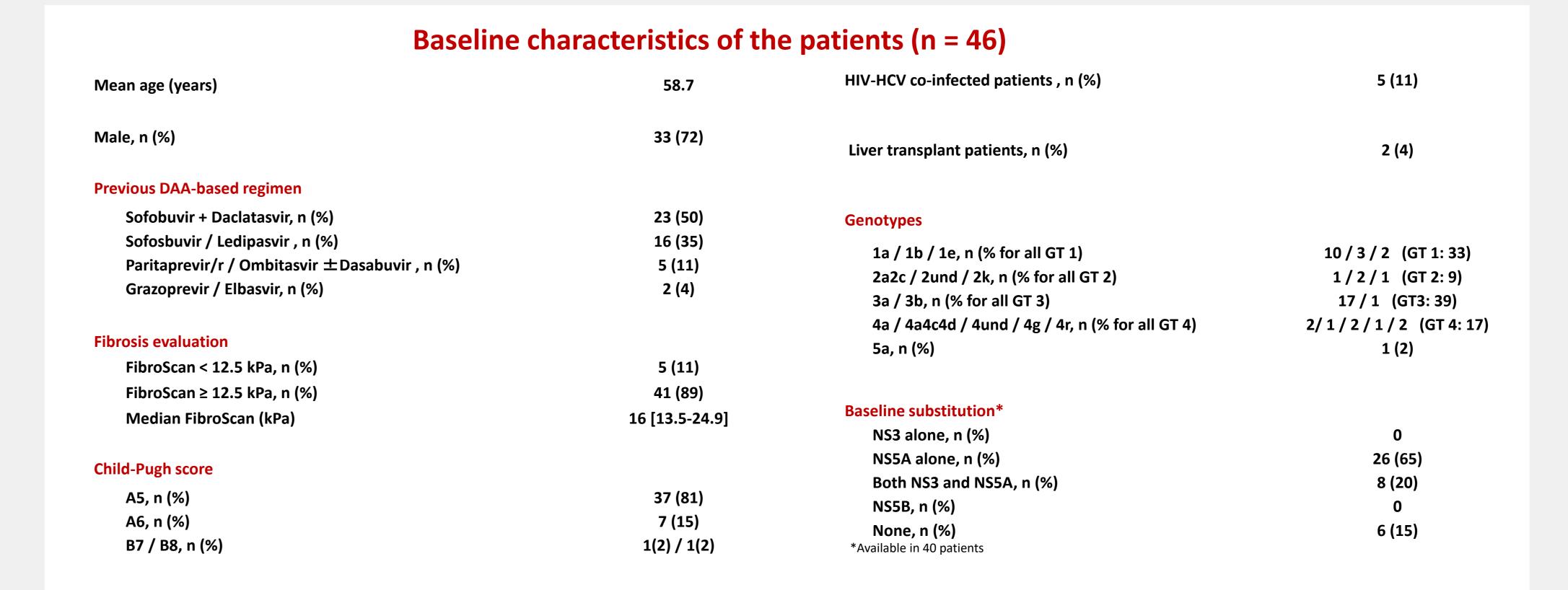
#### Flow-chart of the French compassionate use program

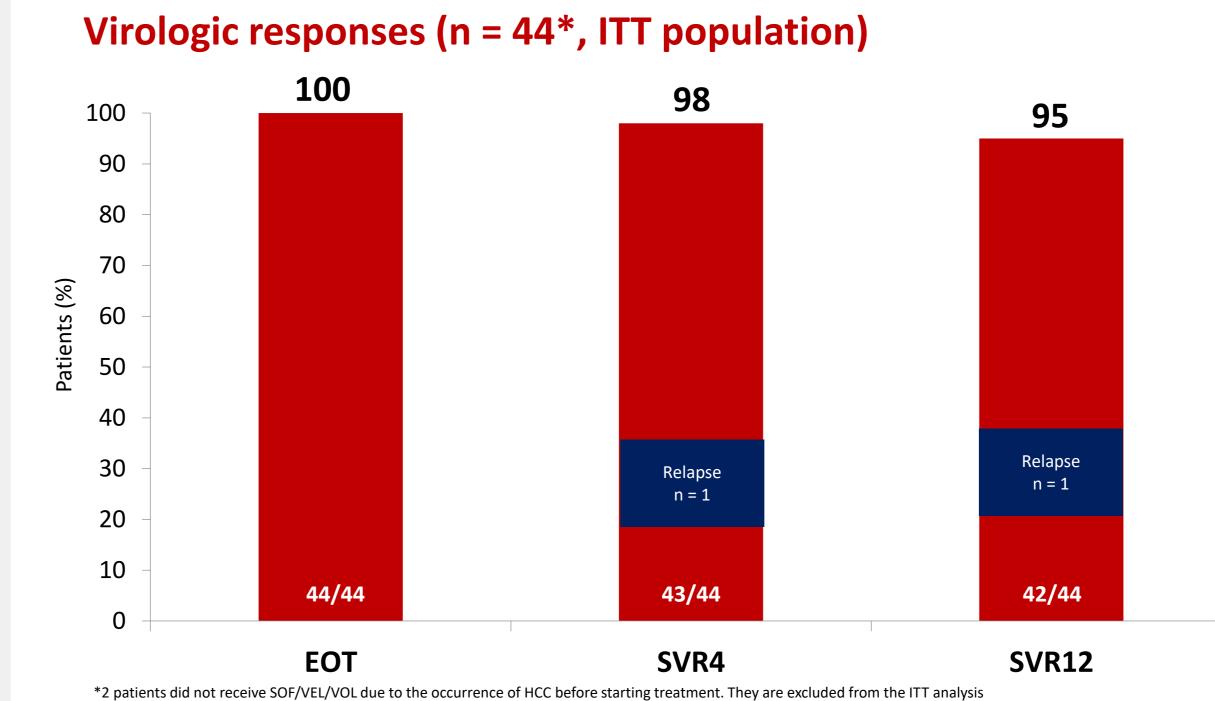


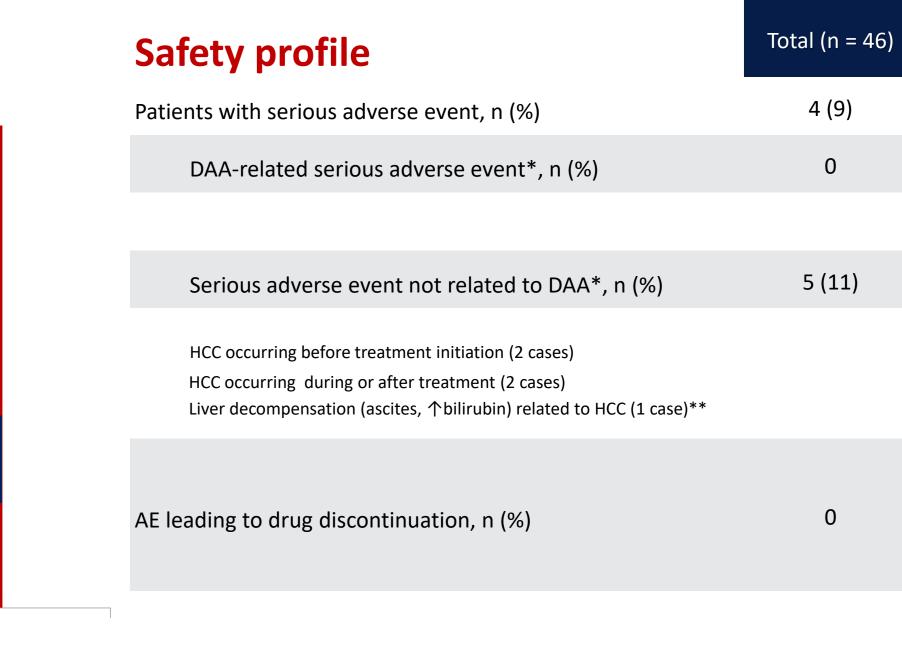
#### Treatment planned for the 46 patients\*



### RESULTS







\*As determined by the physician

#### Among the 44 patients who were treated two relapses were observed

	Gender	Age (Years)	Comorbidities	FS (kPa)	СР	Previous DAA	GT	Baseline RAS	SOF/VEL/VOX	Relapse RAS
1	Male	59	Obesity	13	<b>A5</b>	SOF/DCV	<b>1</b> a	R155K Y93S	12 weeks	Y93S
2	Male	53	None	16	<b>A5</b>	SOF/DCV	<b>3</b> a	Y93H	12 weeks + RBV	Y93H

# CONCLUSIONS

- In this real-world cohort, the combination SOF/VEL/VOX ± RBV for 12 weeks is effective in patients with cirrhosis who failed with DAA combination containing 1st generation NS5A inhibitor with or without protease inhibitor
  - This strategy is safe in patients with compensated cirrhosis

