

Supplementary Table 1 Non-invasive tests changes in non-sustained viral response patients (n = 12)

	Non-SVR patients with FU SSM (n = 12)		
	Baseline	FU24	P value
LSM (kPa)	23.2 (19.1 – 27)	21.6 (15.9 -26.4)	0.599
SSM (kPa)	45.6 (35.6 – 71.4)	57.8 (37.6 – 74.3)	0.832
PLT (cells × 10 ⁹ /L)	128 (94 - 189)	101 (70 - 178)	0.599

Quantitative data were expressed as median (25%-75% quantiles). FU: Follow-up; LSM: Liver stiffness measurement; PLT: Platelets count; SVR: Sustained viral response; SSM: Spleen stiffness measurement.

Supplementary Table 2 Univariate and multivariate analysis of factors associated with SSM decrease > 20% in the patients with clinical significant portal hypertension at BL (LSM BL ≥21 kPa)

Variable	CSPH Population (n = 60)					
	Univariate analysis				Multivariate analysis	
					LR CHI-2 = 20.52	AIC = 65.3
					AUROC = 0.715	BIC = 71.6
	SSM decrease > 20% (n = 23)	No SSM decrease > 20% (n= 37)	OR (95%CI)	P value	OR (95%CI)	P value
Presence varices (yes)	6 (50)	18 (90)	0.111 (0.018-0.705)	0.020		
Creatinine (mg/ d)	0.71 (0.6-0.85)	0.81 (0.71-0.98)	0.188 (0.001-0.578)	0.023	0.0107 (0-0.440)	0.017
LSM SVR (kPa)	18 (14.5-22.8)	25.7 (18-36.3)	0.930 (0.875-0.989)	0.021		
LSM Decrease (Delta)	35.9 (25.2-49.1)	23.5 (4.2-33.1)	0.006 (0.0001-0.199)	0.004		
LSM Decrease >5% (yes)	22 (95.7)	27 (73)	8.148 (0.967-68.656)	0.054		
LSM Decrease > 10% (yes)	22 (95.7)	26 (70.3)	9.308 (1.112-77.885)	0.040		
LSM Decrease > 20% (yes)	19 (82.6)	21 (56.8)	3.619 (1.027-12.748)	0.045	4.433 (1.133-17.347)	0.032

Qualitative data were expressed as number and perceptual (%); quantitative data were expressed as median (25%-75% quantiles). AIC: Akaike information criterion; AUROC: Area under curve Roc; BIC: Bayesian information criterion; CSPH: Clinical significant portal hypertension; LR: Like-hood ratio; LSM: Liver stiffness measurement; OR: Odds ratio; SSM: Spleen stiffness measurement; SVR: Sustained viral response.

Supplementary Table 3 Univariate and multivariate analysis of factors associated with clinical significant portal hypertension persistence (LSM SVR24 ≥ 21 kPa)

Variable	Univariate analysis		Multivariate analysis	
			LR Chi-2 = 21.46	AIC = 121.9
			AUROC = 0.771	BIC = 130.6
	OR (95%CI)	P value	OR (95%CI)	P value
LSM BL (kPa)	0.972 (0.943-1.001)	0.060		
SSM BL (kPa)	1.031 (1.004-1.073)	0.025	1.046 (1.014-1.078)	0.004
LSM Decrease (Delta,%)	43.855 (3.647-527.32)	0.003	93.251 (6.482-1341.491)	0.001
LSM Decrease > 10% (yes)	0.120 (0.016-0.928)	0.042		
LSM Decrease > 20% (yes)	0.176 (0.050-0.619)	0.007		

Qualitative data were expressed as number and perceptual (%); quantitative data were expressed as median (25%-75% quantiles). AIC: Akaike information criterion; AUROC: Area under curve Roc; BIC: Bayesian information criterion; CSPH: Clinical significant portal hypertension; LR: Like-hood ratio; LSM: Liver stiffness measurement; OR: Odds ratio; SSM: Spleen stiffness measurement; SVR: Sustained viral response.