The SARS-CoV-2 infection in cirrhotic patients has been associated with liver function deterioration and the 30 day-COVID-19-associated-mortality rate of 25% (lavarone et al JHEP, 2021).

However, there are no mortality data in a large cohort of liver cancer patients with SARS-CoV-2 infection.

RESULTS

Interim analysis that evaluated 242 patients infected with SARS-CoV-2 from 38 centers (Europe, America, Asia, and Africa).

HCC		n = 213	iCCA		n = 29
Age at SARS-CoV-2 diagnosis, median [IQR]		67 [60 - 73]	Age at SARS-CoV-2 diagnosis, median		64 [57 - 71]
Gender, n(%)	Female	60 (28.2)	[IQR]		
	Male	153 (71.8)	Gender, n(%)	Female	12 (41.4)
Aetiology, n(%)	HCV	79 (37.1)		Male	17 (58.6)
	Alcohol	42 (19.7)		No liver disease	17 (58.6)
	NAFLD	34 (16)	Aetiology, n(%)	HCV	4 (13.8)
	Combination	24 (11.3)	Aetiology, 11(70)	NAFLD	4 (13.8)
	HBV	19 (8.9)		Alcohol	3 (10.3)
	No liver disease	7 (3.3)		PSC	1(3.4)
	Others	6 (2.8)	iCCA diagnosis,		_ (••••)
	HCV + HBV	2 (0.9)	n (%)	<i>de-novo</i> iCCA	6 (20.7)*
HCC diagnosis,	<i>de-novo</i> HCC	54 (25.4)*		History of iCCA	23 (79.3)
n (%)	History of UCC	150(746)		IA	4 (13.8)
	History of HCC 0	12 (5.6)	iCC stage according	IB	2 (6.9)
DCIC stage at the		65 (30.5)	to TNM 8º edition	II	2 (6.9)
BCLC stage at the time of SARS-CoV-2	A B	51 (23.9)	at the time of	IIIA	1 (3.5)
diagnosis, n(%)	<u>C</u>	57 (26.8)	SARS-CoV-2 diagnosis, n(%)	IIIB	7 (24.1)
alag10313, 11(70)	D	28 (13.1)	ulagilusis, 11(70)	IV	13 (44.8)
*60% were BCLC <u>></u> B		(, _ , _ ,	*5 were stage IV	. v	

Abbreviations: HCC: Hepatocellular carcinoma; iCCA: intrahepatic cholangiocarcinoma; SARS-CoV-2: Severe acute respiratory syndrome coronavirus 2; IQR: Interquartile range; CI: Confidence interval; HCV: Hepatitis C virus; NAFLD: Nonalcoholic fatty liver disease; HBV: Hepatitis B virus; PSC: Primary sclerosing cholangitis; BCLC: Barcelona Clinic Liver Cancer; TNM: Classification of Malignant Tumors (Tumor, Nodule, Metastasis).

§Authors: Sergio Munoz-Martínez, Víctor Sapena, Alejandro Forner, Jordi Bruix, Marco Sanduzzi-Zamparelli, Mohamed Bouattour, Cassia Regina Guedes Leal, Carmem Ferguson Theodoro, Mohammed El-Kassas, Jean Charles Nault, Lorraine Blaise, Tudor Mocan, Leonardo Gomes da Fonseca, Helen L. Reeves, Rogério Alves, Ignacio García Juárez, Maria Varela, David J. Pinato, Andrea Casadei Gardini, Mario Reis Álvares-da-Silva, Jesús González Santiago, María del Mar Lozano, Juan Carlos Bandi, Lorenza Rimassa, Margarita Sala, Saleh Alqahtani, Maria Margarita Anders, Federico Pinero, Anja Lachenmayer, Frank Tacke, Christoph Roderburg, Manuel Romero Gomez, Markus Peck-Radosavljevic, Giuseppe Cabibbo, Alessandra Elvevi, Maria Guarino, Alex Vianey Callado França, Rosanna Villani, Mercedes Vergara Gómez, Juan Acevedo, Carlos Rodriguez de Lope, Vivianne Mello, Christie Perelló, Sonia Pascual, Chiara Braconi, Massimo Iavarone, María Reig

INTRODUCTION

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SILCA conference 'he world's leading liver cancer meeting **2** - **5** September 2021

To evaluate the 30 daymortality of liver cancer patients with SARS-CoV-2 infection.

EARLY SARS-COV-2-RELATED MORTALITY OF LIVER **CANCER PATIENTS: CANCER STAGE MATTERS**

2º part of the CERO-19 project - First interim analysis Authors§

AIM

METHOD

CERO-19 is a retrospective, observational, multicenter and international project.

This is the first interim analysis of the individual data from liver cancer patients diagnosed with SARS-CoV-2 infection during the period from February to December 2020.

Variables related to type of liver cancer, BCLC or TNM-8th stage at SARS-CoV-2 for HCC and ICC diagnosis, respectively. Variables related to patient outcome were also registered.

30-day SARS-CoV-2-related mortality rate and sub-distribution hazard ratios (HR) were estimated considering non-related-SARS-CoV-2 deaths as competing risks.

iCCA Baseline Characteristics

Whole cohort (HCC and iCCA)

- 29% of the patients received systemic treatment.
- 67 (27.7%) patients died: • 42 SARS-CoV-2-related (71.4% were cirrhotic). 25 non-SARS-CoV-2-related (92% were cirrhotic).
- The small sample size of iCCA limited the 30-day mortality rate analysis in this group.

HCC cohort

HCC SARS-CoV-2 30-day-related mortality rate

	% (95% CI)	
All HCC**	19.5 (13.8 – 25.2)	**30 patients died:
History of HCC	23.2 (16.2 – 30.2)	26 patients with history of HCC and 4 patients with de-novo HCC.
de-novo HCC	8.3 (0.5 – 16.1)	

30-day mortality due to SARS-CoV-2 infection to BCLC stage in HCC patients

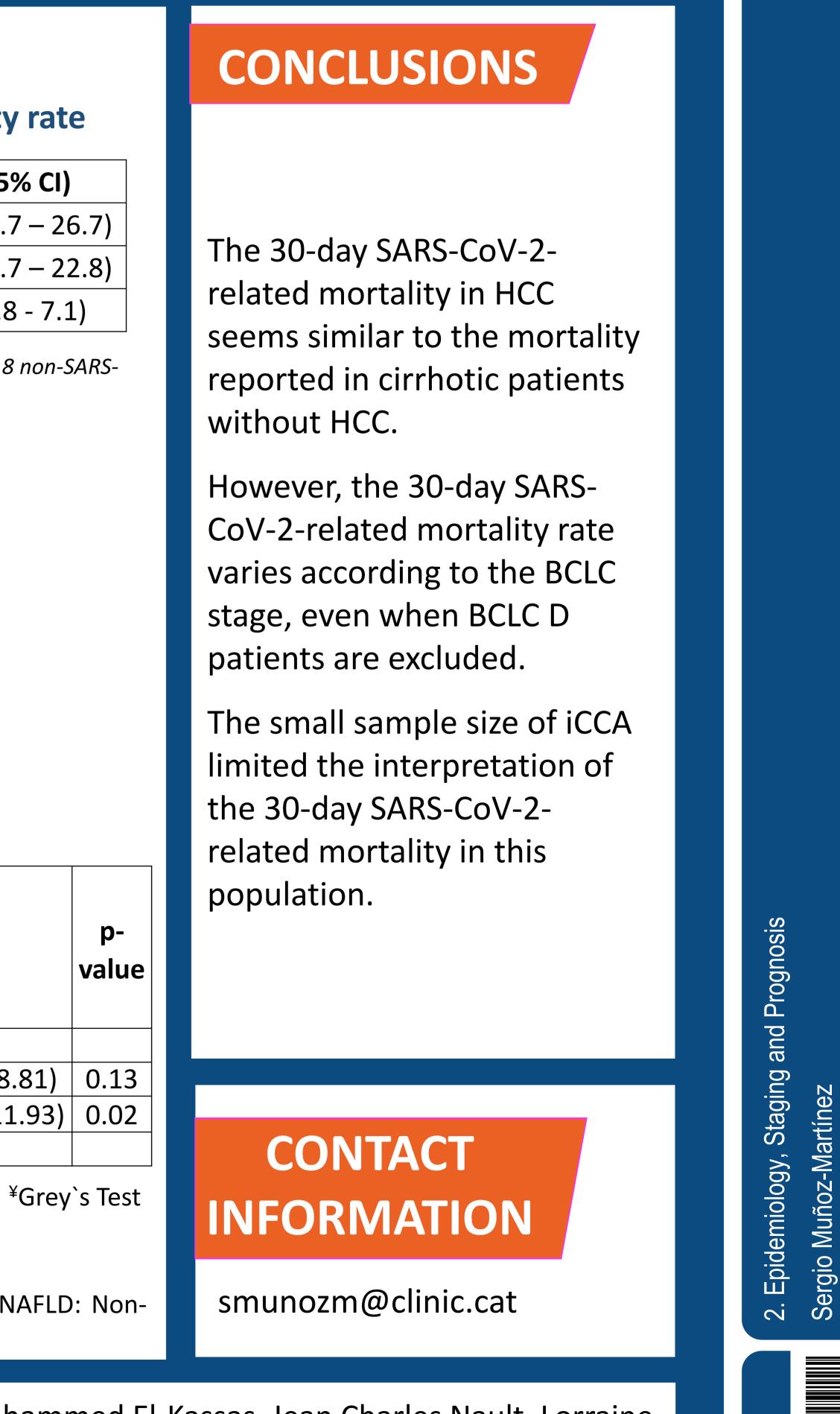
	-	-					-
BCLC stage at SARS-CoV-2 diagnosis	Events (30-day SARS-CoV-2 related death)	Competing Events (30-day non-SARS-CoV-2 related death)	Patients at risk	30-day mortatility rate for SARS-CoV-2, %(95%CI)	p- value [¥]	p-value excluding BCLC-D [¥]	HR (95%CI)
0 or A	4	1	77	6.1 (1.9 - 13.7)	0.007	0.048	ref.
В	7	1	51	14.6 (6.3 - 26.1)	0.007	0.040	2.59 (0.76 - 8.8
С	11	0	57	21.2 (11.2 - 33.3)			3.86 (1.25 - 11.9
D	8	5	28	33.1 (15.2 - 52.3)			-
Total	30	7	213				¥G

Liver cancer 30-day-mortality rate

	% (95%
Whole cohort*	21.2 (15.7
SARS-CoV-2-related	17.4 (12.7
Non-SARS-CoV-2-related	3.8 (1.8

*46 patients died: 38 SARS-CoV-2 related and 8 non-SARS-CoV-2 related.





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