

SARS-CoV-2 infection of the liver directly contributes to hepatic impairment in patients with COVID-19

Yijin Wang, Shuhong Liu, Hongyang Liu, Wei Li, Fang Lin, Lina Jiang, Xi Li, Pengfei Xu, Lixin Zhang, Lihua Zhao, Yun Cao, Jiarui Kang, Jianfa Yang, Ling Li, Xiaoyan Liu, Yan Li, Ruifang Nie, Jinsong Mu, Fengmin Lu, Shousong Zhao, Jiangyang Lu, Jingmin Zhao

Table of contents

Table S1.....	2
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Table S1. Liver function tests and medications of intensive care units patients

Number	ITU/HDU	ALT 5-40 (U/L)	AST 5-40 (U/L)	DBiL 0-6.8 (μmol/L)	Album 35-55 (g/L)	ALP 40-150 (U/L)	GGT 11-50 (U/L)	PT 10.2-14.3 (sec)	INR 0.8-1.2	Medications			
										Antiviral treatment	Antibiotic treatment	corticosteroid	Others
1	Septic shock	26	52	11.2	33	55	14	12	1.04	Lopinavir/Ritonavir/ PEG-Interferon α2b /sulbactam sodium	Piperacillin/ Moxifloxacin/Meropenem/Van comycin hydrochloride/Linezolid/Tigecy cline/Polymyxomycin sulfate B/Imipenem and cilastatin sodium/Cefoperazone/Tazobac tam sodium	Methylprednisolo ne/Hydrocortison e sodium succinate	Intravenous immunoglobulin therapy/Omeprazole sodium/Nadroparin calcium/Carpofennetacetat e/Somatostatin/Protamine sulfate/Carrol sodium sulfonate sodium chloride/Lyophilizing thrombin powder/Human fibrinogen/Human prothrombin complex/Low molecular weight heparin calcium/Dobutamine hydrochloride/Deslanoside/ Thymalfasin/Digoxin/Norepi nephrine/Ambroxol hydrochloride
2	Acute kidney injury	16	34	12.4	32	48	16	14.5	1.27	PEG-Interferon α2b /Lopinavir/Ritonavir	Moxifloxacin/Meropenem/Line zolid/Piperacillin/Tazobactam sodium	Methylprednisolo ne	Intravenous immunoglobulin therapy /Carpofennet acetate
3	ARDS	47	33	6.2	28	36	35	11.6	1.01	PEG-Interferon α2b/Lopinavir/Riton avir	Moxifloxacin/Piperacillin/ Tazobactam sodium	Methylprednisolo ne	Ambroxol hydrochloride/ Omeprazole sodium
4	ARDS	597	1471	3.1	26	99	55	17.7	1.56	Lopinavir/Ritonavir	Vancomycin hydrochloride/Linezolid/Merop enem/Vancomycin hydrochloride		Ambroxol hydrochloride/Carpofennet acetate/Intravenous immunoglobulin therapy
5	Uremia	33.6	66	21.9	38	266	193	11.9	1.04	PEG-Interferon α2b/Arbidol	Meropenem/Caspofungin/Line zolid	Methylprednisolo ne	Intravenous immunoglobulin therapy
6	ARDS	87	134	4.5	29	86	89	13.6	1.19	PEG-Interferon α2b/Arbidol	Piperacillin/Tazobactam sodium/Azithromycin	Methylprednisolo ne	Intravenous immunoglobulin therapy/Omeprazole sodium/Ambroxol hydrochloride/Low molecular weight heparin calcium/Pitavastatin
7	ARDS	105	30	9.2	28	43	81	11.7	1.02	PEG-Interferon α2b/sulbactam sodium	Piperacillin/Tazobactam sodium/Cefoperazone	Methylprednisolo ne/Dexamethason e sodium phosphate/Predni sone acetate	Lopinavir/Ritonavir/Lianhua Qingwen/Omeprazole sodium

8	ARDS	43	58	21.7	22.6	111	53	16.1	1.39	Interferon/Arbidol	Moxifloxacin
9	ARDS	22	24	28.4	31.2	88	104	13.5	1.23	Interferon/Arbidol	Linezolid/Imipenem and cilastatin sodium