



**Supplementary Table 1. Chronic liver failure consortium organ failure score (CLIF-C OF)**

Organ	1 point	2 points	3 points
Liver	Bilirubin < 103 $\mu\text{mol/l}$	Bilirubin 103-203 $\mu\text{mol/l}$	Bilirubin $\geq$ 204 $\mu\text{mol/l}$
Kidney	Creatinine < 132 $\mu\text{mol/l}$	Creatinine 169-299 $\mu\text{mol/l}$	Creatinine $\geq$ 300 $\mu\text{mol/l}$ or renal replacement therapy
	Creatinine 132-168 $\mu\text{mol/l}$		
Cerebral (West Haven)	Grade 0	Grade 1 and 2	Grade 3 et 4
Coagulation	INR < 2.0	INR $\geq$ 2.0 and < 2.5	INR $\geq$ 2.5
Circulation	PAM $\geq$ 70mmHg	PAM < 70mmHg	Vasopressors requirement
Respiration	PaO <sub>2</sub> /FiO <sub>2</sub> > 300 SpO <sub>2</sub> /FiO <sub>2</sub> > 357	PaO <sub>2</sub> /FiO <sub>2</sub> 201-300 SpO <sub>2</sub> /FiO <sub>2</sub> 215-357	PaO <sub>2</sub> /FiO <sub>2</sub> $\leq$ 200 SpO <sub>2</sub> /FiO <sub>2</sub> $\leq$ 214

Dysfunction   
 Failure 

**Supplementary Table 2. Factors negatively impacting outcome after liver transplantation in the context of acute-on-chronic liver failure (ACLF)**

	Variable	References
Related to the patient on admission		
	Age	4,8,10,13,16,48,58
	Diabetes	4,12,58
	Body mass index	58
	Sarcopenia and sarcopenic visceral obesity	59,60
	Frailty	13,61
	Age-adjusted Charlson comorbidity index	50
	Cardiac risk	50
	Portal vein thrombosis	4
Related to the ICU stay		
	Number of organ failure	8,12,13,16,46
	Mechanical ventilation and/or P/F ratio $\leq$ 200 mmHg	3,8,10,13,16,18,48
	Number of pressors	58
	Septic shock before LT	50
	Infection with MDROs	8,61
	Invasive fungal infection	8
	Renal replacement therapy	8
	Worsening course of organ failure	9,17,18,62
	High arterial lactate level	8,10
	Longer access to LT	8-10,13,16,18
Related to the donor		
	Donor risk index	13,62
	Diabetes of the donor	*

\* Zhou J, Ye D, Zhang S, et al. Impact of donor diabetes mellitus status on liver transplant outcomes in patients with acute-on-chronic liver failure. *Expert Rev Gastroenterol Hepatol* 2023; 17: 509–17. Reference not included in the main manuscript.