

**SUPPLEMENTAL MATERIAL:**

**TABLE:**

**Table S1:** Association between renal function and all-cause mortality using Cox proportional regression model with different level of adjustment

<b><i>Reference: Recipients who had eGFR &lt; 30 ml/min./1.73m<sup>2</sup> and/or received dialysis</i></b>	<b>Hazard Ratios (HRs)</b>	<b>95% Confidence Interval of HRs</b>	<b>p-value</b>
<i>Model 1 (n=4,057):</i>			
eGFR ≥ 30 ml/min./1.73m <sup>2</sup>	0.67	0.58-0.77	<.001
Simultaneous liver kidney transplantation	1.16	0.94-1.44	0.18
<i>Model 2 (n=4,057):</i>			
eGFR ≥ 30 ml/min./1.73m <sup>2</sup>	0.66	0.57-0.76	<.001
Simultaneous liver kidney transplantation	1.10	0.88-1.36	0.40
<i>Model 3 (n=3,793):</i>			
eGFR ≥ 30 ml/min./1.73m <sup>2</sup>	0.76	0.60-0.95	0.02
Simultaneous liver kidney transplantation	1.13	0.90-1.41	0.30
<i>Model 4 (n=3,323):</i>			
eGFR ≥ 30 ml/min./1.73m <sup>2</sup>	0.82	0.65-1.05	0.12
Simultaneous liver kidney transplantation	1.20	0.94-1.54	0.14
<i>Multiple imputation model (n=4,057):</i>			
eGFR ≥ 30 ml/min./1.73m <sup>2</sup>	0.77	0.62-0.95	0.02
Simultaneous liver kidney transplantation	1.19	0.95-1.48	0.12

Variables adjusted for in different models:

Model 1: unadjusted;

Model 2: adjusted for age, sex, and race/ethnicity;

Model 3: adjusted for variables included in model 2 and additionally adjusted for comorbidities (malignancy and diabetes), model for end-stage liver disease score at the time of transplantation, presence of ascites at the time of transplantation, history of transjugular intrahepatic portosystemic shunt placement, functional status and laboratory data (albumin, international normalized ratio and serum bilirubin);

Model 4: adjusted for variables included in model 3 and additionally adjusted for donor related data (age, sex, race and body mass index of the donor), and transplantation related data (cold ischemic time and cytomegalovirus mismatches).

Abbreviations: eGFR: estimated glomerular filtration rate; HR: Hazard Ratio

**LEGEND OF FIGURES:**

**Figure S1:** Association of different renal function and all-cause mortality in selected subgroups (reference category: recipients who had eGFR < 30 ml/min./1.73m<sup>2</sup> and/or received dialysis) in unadjusted (panel A) and adjusted\* model (panel B)

Abbreviations: eGFR: estimated glomerular filtration rate; MELD: Model for End-stage Liver Disease

\*: adjusted for age, sex, race/ethnicity, comorbidities (malignancy and diabetes), model for end-stage liver disease score at the time of transplantation, presence of ascites at the time of transplantation, history of transjugular intrahepatic portosystemic shunt placement, functional status and laboratory data (albumin, international normalized ratio and serum bilirubin), donor related data (age, sex, race and body mass index of the donor), and transplantation related data (cold ischemic time and cytomegalovirus mismatches).