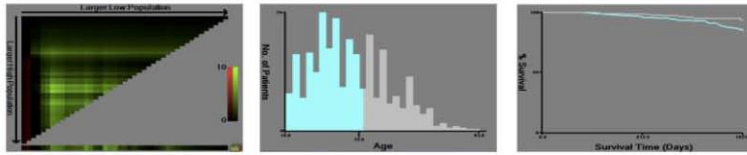


**SUPPLEMENTARY FIGURES**

**1. Clinical variables**

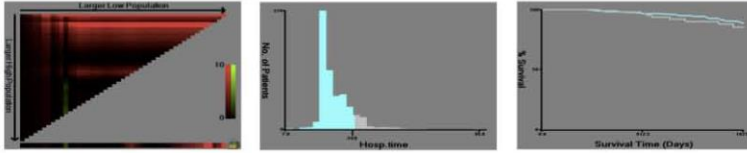
**A Age (years)**

Optimal cutoff value = 35  
 HR (< 35)=2.27



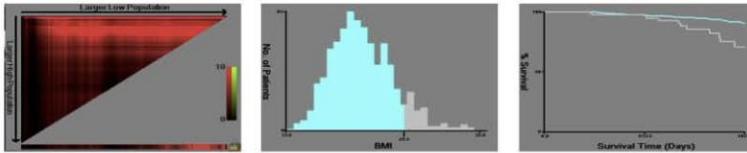
**B Hospitalization time (days)**

Optimal cutoff value = 34  
 HR (>34)=1.47



**C BMI (kg/m²)**

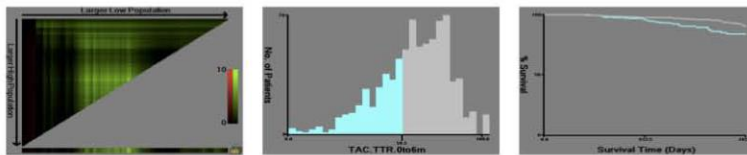
Optimal cutoff value = 25.3  
 HR (>25.3)=2.63



**2. Laboratory indexes within 6 months after KT**

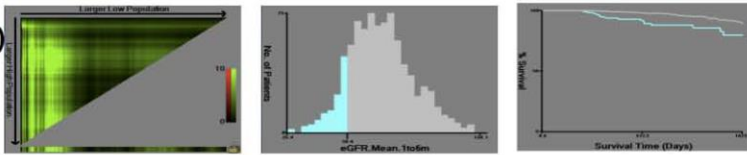
**A TAC-TTR (%)**

Optimal cutoff value = 58.3  
 HR (<58.3)=1.98



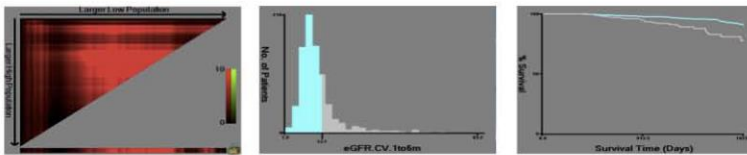
**B eGFR-Mean (mL/min/1.73m²)**

Optimal cutoff value = 58.4  
 HR (<58.4)=2.58



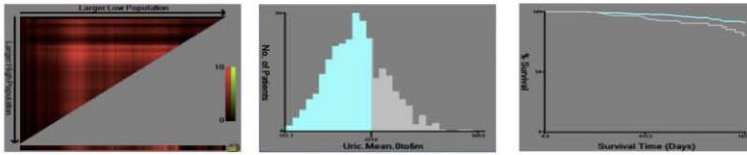
**C eGFR-CV (%)**

Optimal cutoff value = 13.7  
 HR (>13.7)=2.45



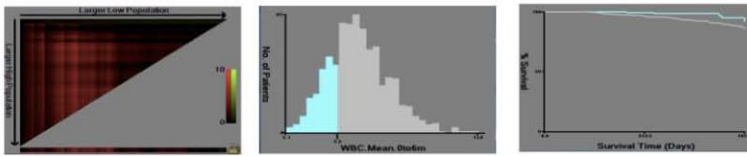
**D Uric acid-Mean (umol/L)**

Optimal cutoff value = 357.8  
 HR (>357.8)=1.8

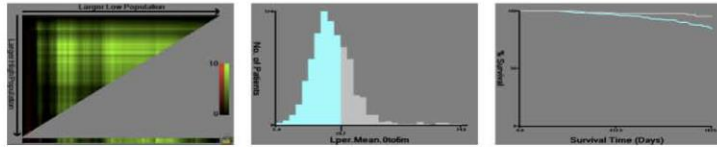


**E WBC-Mean (10<sup>9</sup>/L)**

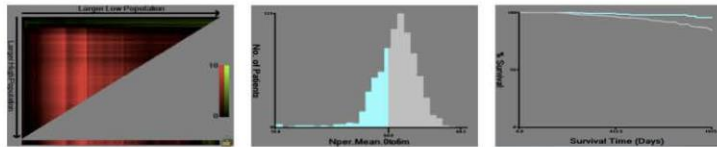
Optimal cutoff value = 5.9  
 HR (>5.9)=3.09



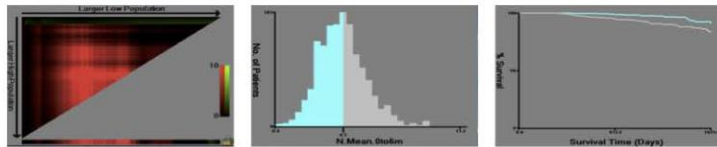
**F Lymphocyte-Mean (%)**  
 Optimal cutoff value =29.7  
 HR (<29.7)=2.77



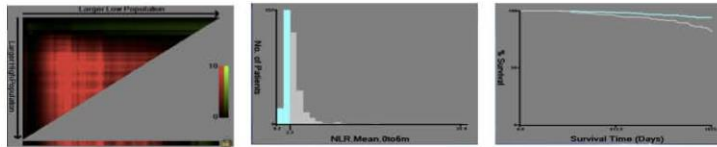
**G Neutrophil-Mean (%)**  
 Optimal cutoff value = 60.8  
 HR (>60.8)=3.48



**H Neutrophil-Mean (10<sup>9</sup>/L)**  
 Optimal cutoff value = 4.7  
 HR (>4.7)=2.64

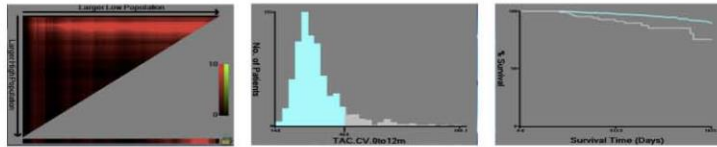


**I NLR-Mean**  
 Optimal cutoff value = 2.7  
 HR (>2.7)=2.4

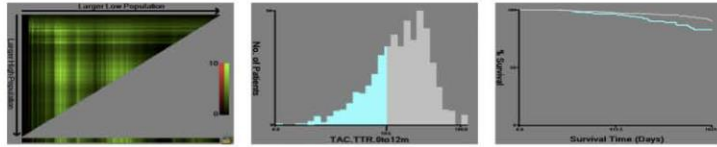


### 3. Laboratory indexes within 12 months after KT

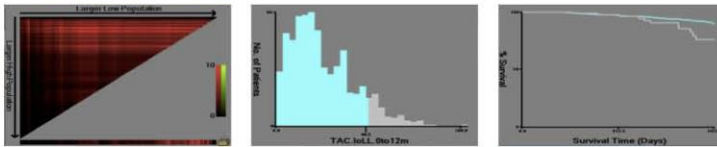
**A TAC-CV (%)**  
 Optimal cutoff value = 49.8  
 HR (>49.8)=2.53



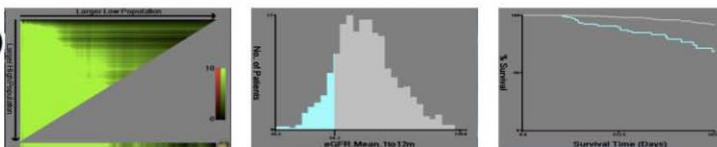
**B TAC-TTR (%)**  
 Optimal cutoff value = 59.6  
 HR (<59.6)=1.98



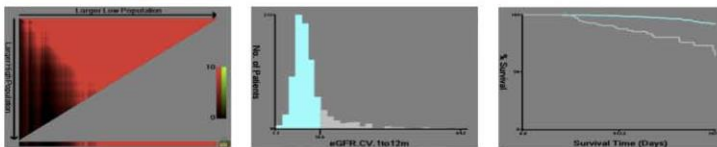
**C TAC-IoLL (%)**  
 Optimal cutoff value = 48.5  
 HR (>48.5)=2.24



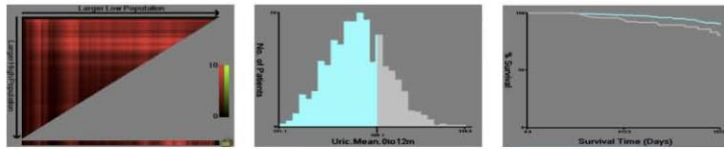
**D eGFR-Mean (mL/min/1.73m<sup>2</sup>)**  
 Optimal cutoff value = 59.1  
 HR (<59.1)=4.68



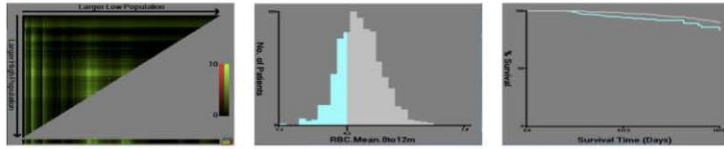
**E eGFR-CV (%)**  
 Optimal cutoff value = 16.6  
 HR (>16.6)=5.03



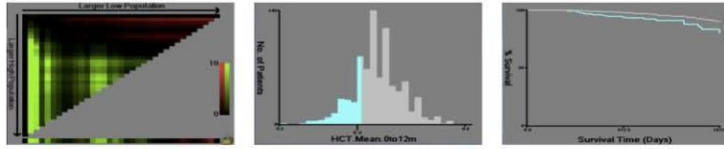
**F Uric acid-Mean (umol/L)**  
 Optimal cutoff value = 380.1  
 HR (>380.1)=1.93



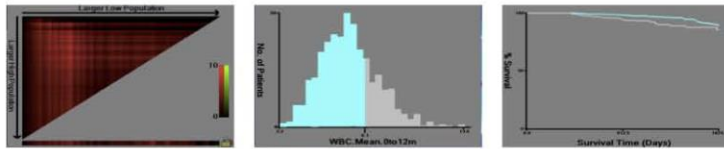
**G RBC-Mean (10<sup>12</sup>/L)**  
 Optimal cutoff value = 4.3  
 HR (<4.3)=1.72



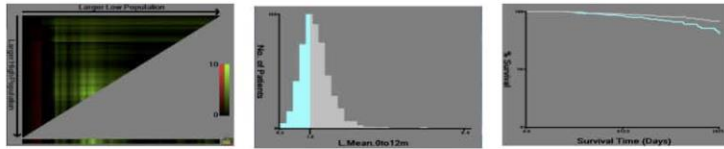
**H HCT-Mean**  
 Optimal cutoff value = 0.41  
 HR (<0.41)=1.95



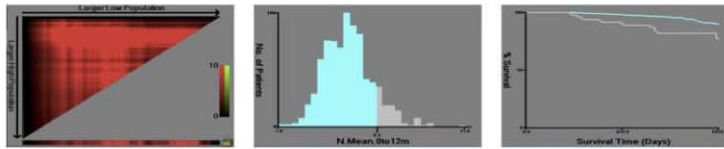
**I WBC-Mean (10<sup>9</sup>/L)**  
 Optimal cutoff value = 8.1  
 HR (>8.1)=1.87



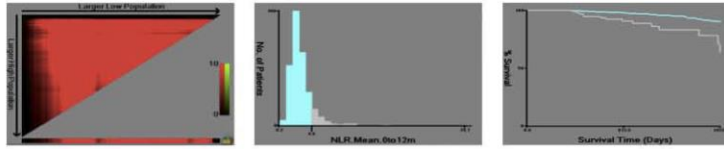
**J Lymphocyte-Mean (10<sup>9</sup>/L)**  
 Optimal cutoff value = 1.6  
 HR (<1.6)=1.75



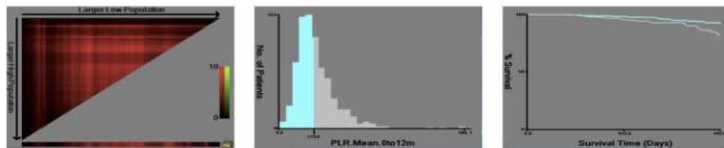
**K Neutrophil-Mean (10<sup>9</sup>/L)**  
 Optimal cutoff value = 6.2  
 HR (>6.2)=3.07



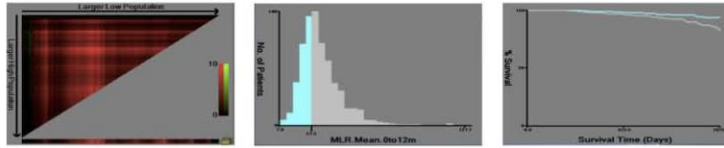
**L NLR-Mean**  
 Optimal cutoff value = 4.8  
 HR (>4.8)=2.79



**M PLR-Mean**  
 Optimal cutoff value = 115.6  
 HR (>115.6)=1.88

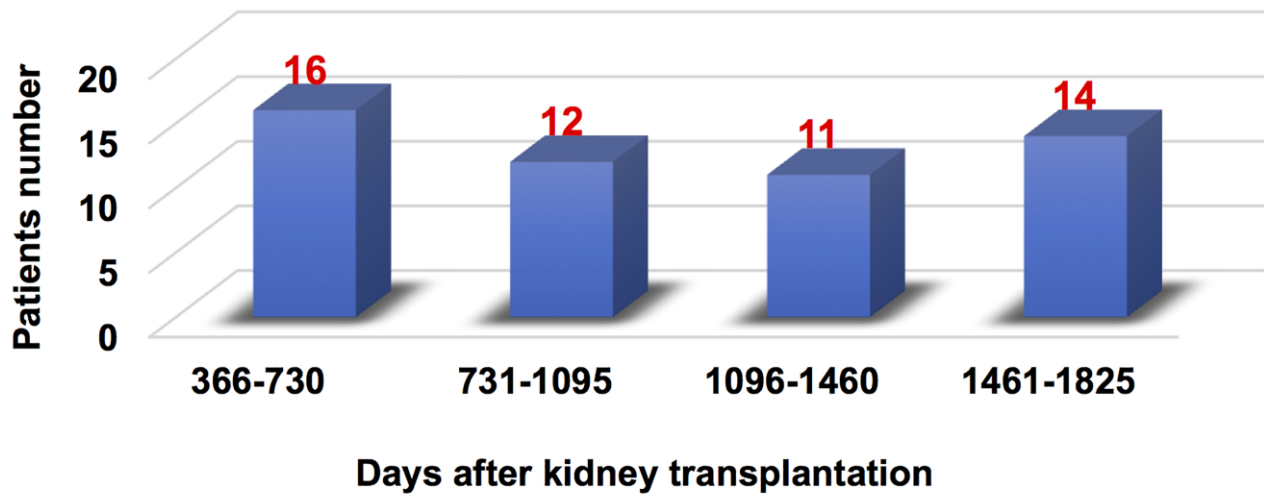


**N MLR-Mean (%)**  
 Optimal cutoff value = 27.3  
 HR (>27.3)=1.77

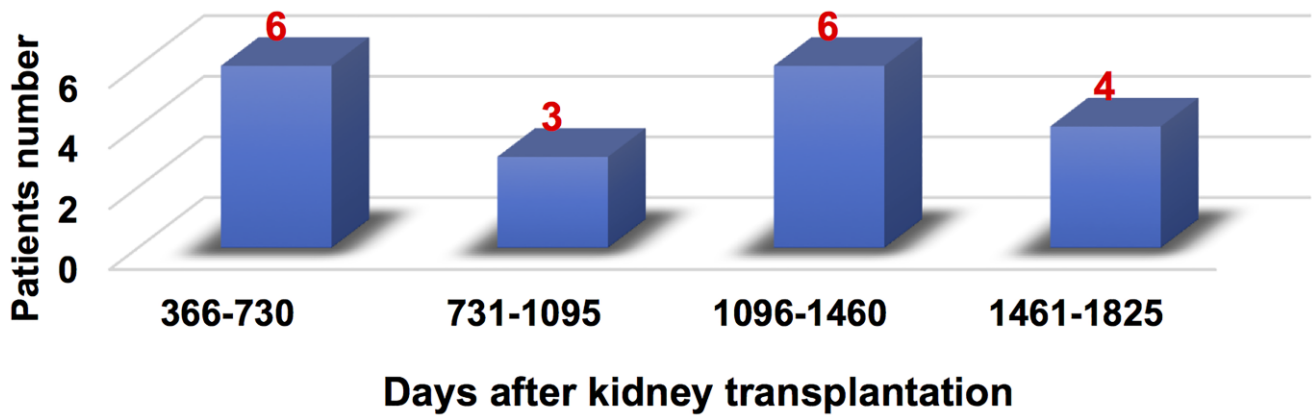


**Supplementary Figure 1.** Determination of optimal cut-off values for clinical and laboratory variables whose *P* values less than 0.15 in univariate Cox analysis.

## A Training cohort



## B Validation set



Supplementary Figure 2. Time point distribution of occurring graft loss in training (A) and validation (B) cohorts.

Laboratory indexes calculators for predicting 5-year graft survival in kidney transplant recipients (Results region)					
BMI	TAC-CV	eGFR-CV	Neutrophil (%) -Mean	Lymphocyte absolute numer (10 <sup>9</sup> /L)-Mean	
BMI (kg/m <sup>2</sup> )	TAC-CV (%)	eGFR-CV (%)	Neutrophil (%) -Mean	Lymphocyte (abs)-Mean	
19.53125	20.24440825	11.86930454	68.06666667	0.866666667	
	TAC-Mean (ng/mL)	eGFR-Mean (mL/min/1.73m <sup>2</sup> )	Neutrophil (%) -times	Lymphocyte (abs)-times	
	6.1	108.3908428	3	3	
	TAC-SD	eGFR-SD			
	1.234908904	12.86523923			
	TAC-times	eGFR-times			
	5	5			
Note: enter your original laboratory values into pink boxes (Input region)					
Height (cm)	TAC C0 values (ng/mL)	Gender (M/F)	Age (years)	Neutrophil (%) values	Lymphocyte (abs) values (10 <sup>9</sup> /L)
160	5.7	M	30	73.6	0.64
Weight (kg)		Scr values (μmol/L)	eGFR levels (mL/min/1.73m <sup>2</sup> )		
50	4.6		117.8579954	63.1	0.81
	5.9	78	117.2425342	67.5	1.15
	6.3	79	89.05857488		
	8	100	116.6379685		
		80	101.1571412		
		90	#NUM!		
			#NUM!		
			#NUM!		
			#NUM!		
			#NUM!		
			#NUM!		
			#NUM!		
			#NUM!		
			#NUM!		
			#NUM!		

**Supplementary Figure 3.** Interface example of laboratory indexes calculator for the calculation of predictors for predicting 5-year graft survival in KTRs. Please visit website [https://docs.google.com/spreadsheets/d/1IJX9YZBTON1xwVrNyp5PzcNpWQ1CitGm-N\\_nDOKxbpk/edit?pli=1#gid=0](https://docs.google.com/spreadsheets/d/1IJX9YZBTON1xwVrNyp5PzcNpWQ1CitGm-N_nDOKxbpk/edit?pli=1#gid=0).