

Association between HOMA2 based beta-cell function or insulin resistance and long-term outcomes in kidney transplant recipients with type 2 diabetes

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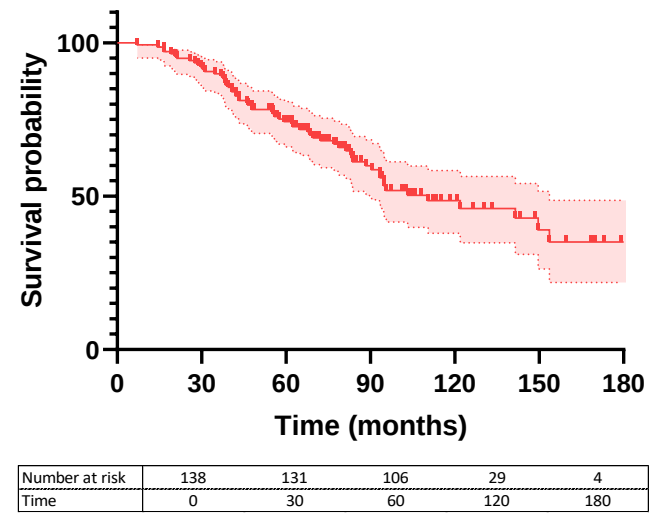
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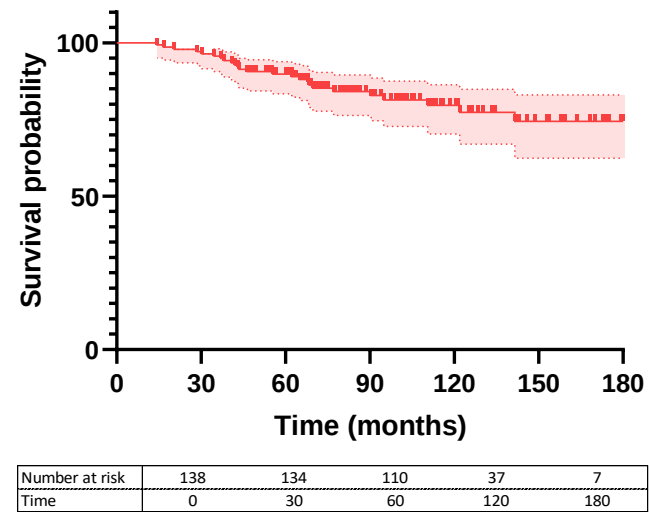
Running title: *HOMA2 in kidney transplant recipients with type 2 diabetes*

Keywords: HOMA2, insulin resistance, diabetes, kidney transplantation.

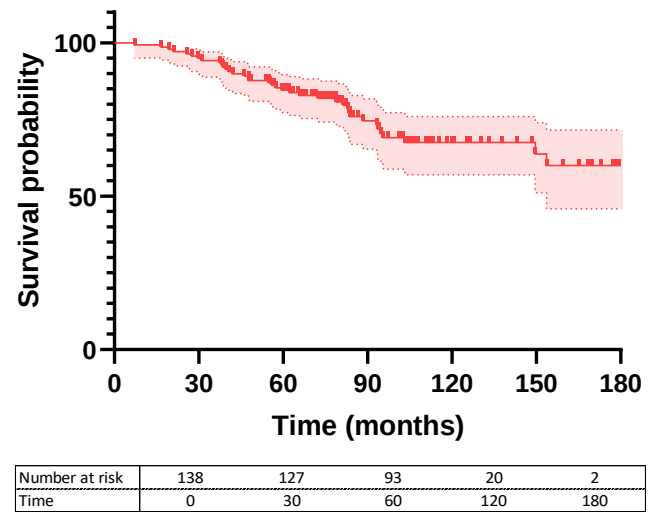
Patient-graft survival



Death-censored graft survival



Patient survival



Supplemental Figure 1. Kaplan-Meier estimates for patient-graft survival, death-censored graft survival and patient survival in the entire cohort.

Supplemental Table 1. Multivariate Cox regression model for death-censored graft survival.

	<i>Death-censored graft loss</i>			
	Univariate HR [95%CI]	<i>p</i> -value	Multivariate HR [95%CI]	<i>p</i> -value
HOMA2-B (per unit)	1.00 (0.99 - 1.01)	0.29	-	-
HOMA2-IR (per unit)	1.17 (1.06 - 1.29)	< 0.01	1.07 (0.95 - 1.20)	0.27
Cardiovascular background	2.36 (1.06 - 5.25)	0.04	2.59 (1.10 - 6.09)	0.03
HBA1c (per unit)	1.28 (0.96 - 1.70)	0.08	1.44 (1.02 - 2.03)	0.04
1-year eGFR (per added ml/min)	0.94 (0.91 - 0.98)	< 0.01	0.95 (0.92 - 10.00)	< 0.01

eGFR = estimated glomerular filtration rate, HOMA2 = homeostatic model assessment 2 (IR = insulin resistance, B= beta-cell function, S = insulin sensitivity).

Supplemental Table 2. Multivariate Cox regression model for patient survival.

	<i>Death</i>			
	Univariate HR [95%CI]	<i>p</i> -value	Multivariate HR [95%CI]	<i>p</i> -value
HOMA2-B, per unit	1.00 (0.99 - 1.01)	0.26	-	-
HOMA2-IR, per unit	0.99 (0.87 - 1.12)	0.84	-	-
Waiting time on dialysis (per day)	1.05 (1.01 - 1.10)	0.02	1.53 (0.80 - 2.9)	0.19
Recipient age, per year	1.05 (1.00 - 1.10)	0.02	1.05 (0.99 - 1.1)	0.05

HOMA2 = homeostatic model assessment 2 (IR = insulin resistance, B= beta-cell function, S = insulin sensitivity).