

Supplementary Table 1. Results of the association analyses by generalized linear models, only including the T1 to T3 observations.

Sample	Variable	Coefficient (95%CI)	P-value
Whole	Time	-0.0017 (-0.001 to -0.003)	<0.001
	Type of crystals		
	CPP	Ref.	-
	MSU	0.0804 (0.145 to 0.016)	0.015
	Temperature		
	Room	Ref.	-
	Refrigerated	0.0522 (-0.011 to 0.115)	0.106
	Preserving agent		
	EDTA	Ref.	-
	Heparin	0.0316 (-0.032 to 0.095)	0.326
MSU crystals	Time	0.0010 (-0.001 to 0.003)	0.170
	Temperature		
	Room	Ref.	-
	Refrigerated	0.0536 (-0.127 to 0.237)	0.260
	Preserving agent		
	EDTA	Ref.	-
	Heparin	0.0731 (-0.022 to 0.168)	0.119
CPP crystals	Time	-0.0035 (-0.002 to -0.005)	<0.001
	Temperature		
	Room	Ref.	-
	Refrigerated	0.2287 (0.592 to 0.831)	<0.001
	Preserving agent		
	EDTA	Ref.	-
	Heparin	-0.1135 (-0.254 to 0.027)	0.112
	Time*temperature	-0.0028 (-0.005 to -0.001)	0.005
	Time*preserving	0.0013 (-0.001 to 0.003)	0.187

95%CI: 95% confidence interval, EDTA = ethylenediaminetetraacetic acid, CPP = calcium pyrophosphate, MSU = monosodium urate.