

	No	%
Propensity score - mean	63	3.0
Baseline eGFR (mL/min/1.73m <sup>2</sup> )-mean	0	0
eGFR at recovery (mL/min/1.73m <sup>2</sup> )-mean	1	0.05
Age (years) - mean	0	0
EuroSCORE (%) - mean	0	0
BMI - mean	0	0
CBP time (min) - mean	0	0
Clamping time (min) - mean	9	0.4
Male - %	0	0
LVEF (%) - mean	53	2.6
Smoker - %	0	0
diabetes mellitus - %	0	0

**Supplemental Digital Content 1 Table:** Missing data from the 63 patients for whom the propensity score could therefore not be calculated. These 63 patients count among the 88 patients from the AKI group who had no match available (cf. Figure 1). Abbreviations: BMI, body mass index; CBP, cardiopulmonary bypass; eGFR, estimated glomerular filtration; EuroSCORE, European System for Cardiac Operative Risk Evaluation; LVEF, left ventricular ejection fraction

	Unmatched patient		Matched patient	
	AKI	CTRL	AKI	CTRL
Propensity score - mean	0.76	0.27	0.34	0.34
Baseline eGFR (mL/min/1.73m <sup>2</sup> )-mean	78	84	79	79
eGFR at recovery (mL/min/1.73m <sup>2</sup> )-mean	87	96	91	92
Age (years) - mean	63	62	66	66
EuroSCORE (%) - mean	6.6	3.2	4.3	4.3
BMI - mean	25.6	26.7	26.7	26.9
CBP time (min) - mean	203	65	78	79
Clamping time (min) - mean	122	51	58	59
Male - %	79	67	72	71
LVEF (%) - mean	49	58	55	56
Smoker - %	11	21	16	16
diabetes mellitus - %	13	24	25	25

**Supplemental Digital Content 2 Table:** Characteristics of the population with or without AKI, before and after the matching strategy). Abbreviations: BMI, body mass index; CBP, cardiopulmonary bypass; eGFR, estimated glomerular filtration; EuroSCORE, European System for Cardiac Operative Risk Evaluation; LVEF, left ventricular ejection fraction



**Supplemental Digital Content 3 Figure:** Distribution of blood samples taken for the measure of serum creatinine in each patient with (blue dots) or without (red dots) AKI, during the days following surgery.