Item S1: Association of Continuous Post-operative Biomarkers and Continuous eGFR with Any and Severe AKI, unadjusted and adjusted

Table *a*- Association of Continuous Post-operative Biomarkers and Continuous eGFR with Any AKI – unadjusted

Biomarker	Coefficient for Biomarker		Coefficient for eGFR		Coefficient for interaction Between Biomarker and eGFR	
	Coefficient	p-value	Coefficient	p-value	Coefficient	p-value
IL-18	0.111	<.0001	-0.011	<.0001	0.002	0.0008
NGAL	0.07	<.0001	-0.011	<.0001	0.002	0.0069
KIM-1	0.206	<.0001	-0.008	<.0001	0.002	0.3033
LFABP	0.099	<.0001	-0.018	<.0001	0.002	0.008
CysC	0.077	0.0012	-0.011	<.0001	0.003	0.0074
Albumin	0.101	<.0001	-0.009	<.0001	0.001	0.2558

Biomarkers and eGFR were centered in these models.

Table *b*. Association of Continuous Post-operative Biomarkers and Continuous eGFR with Any AKI –adjusted

Biomarker	Coefficient for Biomarker		Coefficient for eGFR		Coefficient for interaction Between Biomarker and eGFR	
	Coefficient	p-value	Coefficient	p-value	Coefficient	p-value
IL-18	0.085	<.0001	-0.009	<.0001	0.002	0.0043
NGAL	0.042	0.0017	-0.009	0.0001	0.001	0.0192
KIM-1	0.176	<.0001	-0.006	0.0072	0.002	0.214
LFABP	0.071	0.0003	-0.015	0.0001	0.002	0.0145
CysC	0.048	0.0316	-0.009	0.0001	0.002	0.0201
Albumin	0.076	0.0007	-0.008	0.0012	0.001	0.3001

Biomarkers and eGFR were centered in these models.

Table *c*. Association of Continuous Post-operative Biomarkers and Continuous eGFR with Severe AKI – unadjusted

Biomarker	Coefficient for Biomarker		Coefficient for eGFR		Coefficient for interaction Between Biomarker and eGFR	
	Coefficient	p-value	Coefficient	p-value	Coefficient	p-value
IL-18	0.291	<.0001	-0.009	0.4004	0.001	0.8279
NGAL	0.192	<.0001	-0.007	0.4319	0	0.9952
KIM-1	0.548	<.0001	-0.004	0.5612	-0.003	0.6177
LFABP	0.208	0.0045	-0.021	0.2795	0.004	0.4165
CysC	0.18	0.0551	-0.005	0.5229	-0.005	0.3707
Albumin	0.279	0.0002	-0.004	0.6748	0	0.9189

Biomarkers and eGFR were centered in these models.

Table *d*. Association of Continuous Post-operative Biomarkers and Continuous eGFR with Severe AKI –adjusted

Biomarker	Coefficient for Biomarker		Coefficient for eGFR		Coefficient for interaction Between Biomarker and eGFR	
	Coefficient	p-value	Coefficient	p-value	Coefficient	p-value
IL-18	0.213	<.0001	-0.007	0.5038	-0.001	0.712
NGAL	0.099	0.0342	-0.008	0.3421	-0.001	0.6377
KIM-1	0.511	0.0001	-0.004	0.581	0.001	0.9294
LFABP	0.072	0.3225	-0.015	0.3352	0.001	0.7193
CysC	0.11	0.1433	-0.006	0.4049	-0.005	0.0985
Albumin	0.205	0.0195	-0.004	0.6545	-0.003	0.3792

Biomarkers and eGFR were centered in these models.