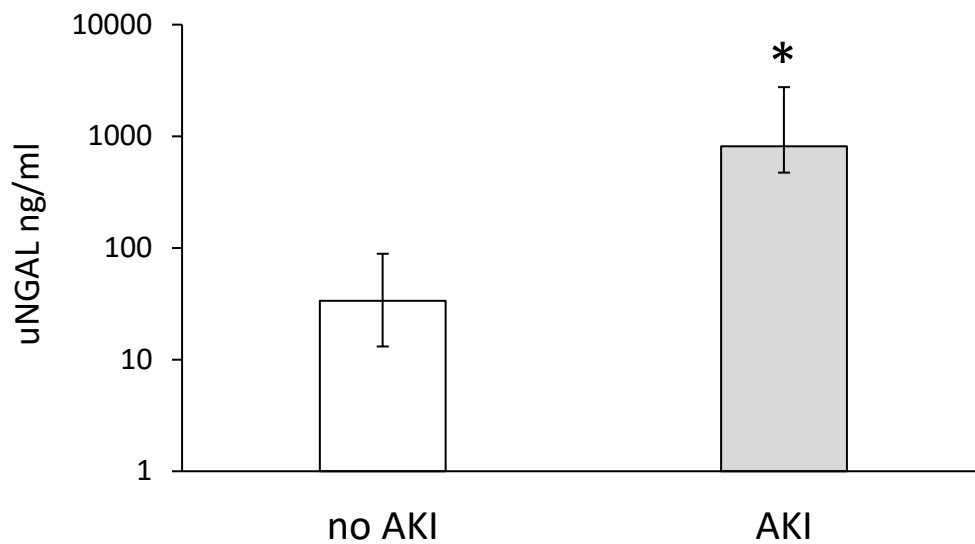
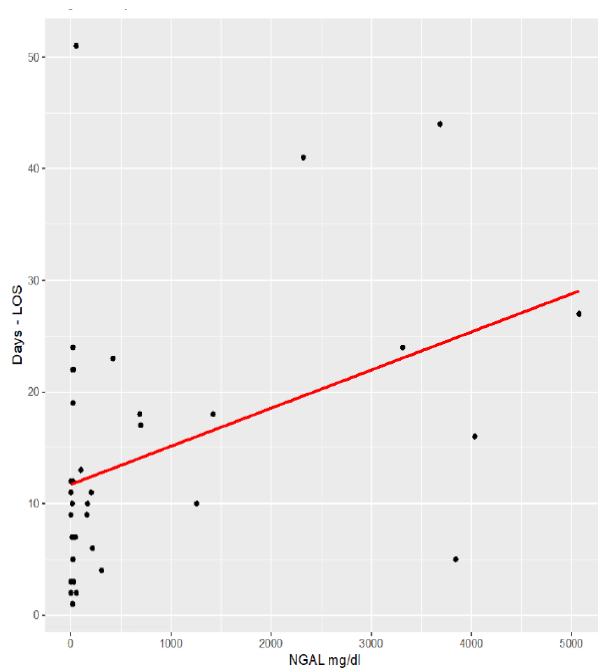
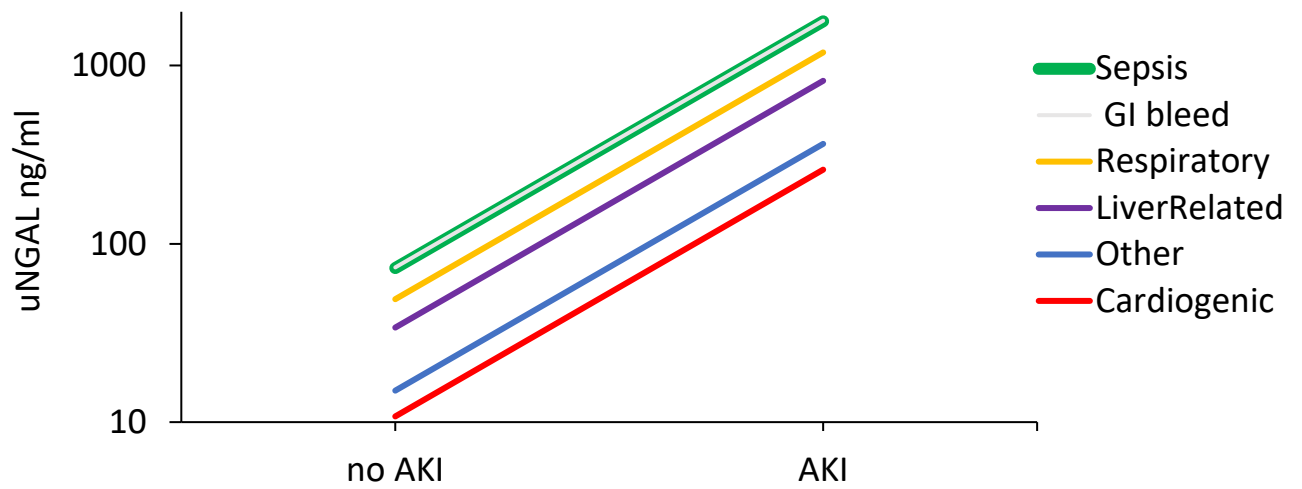




Supplemental figure 1. Admission urine neutrophil gelatinase-associated lipocalin stratified by AKI. NGAL = neutrophil gelatinase-associated lipocalin; AKI = acute kidney injury. * $p < 0.01$



Supplemental Figure 2. Plot of Length of stay in days to the admission urine neutrophil gelatinase-associated lipocalin. NGAL = neutrophil gelatinase-associated lipocalin; LOS = length of stay.



Supplemental Figure 3. Admission urine Neutrophil gelatinase-associated lipocalin values for ICU patients with various admitting diagnosis stratified by absence of AKI vs AKI. ANOVA comparison of the groups. *AKI stage vs no AKI, $p < 1 \times 10^{-9}$; # Sepsis vs non-sepsis diagnostic code, $p < 0.01$.

Supplemental Table 1. Association of uNGAL level at ICU admission with Patient Factors in AKI

Model uNGAL at ICU Admission, log Tx					
	Coefficients	Estimate	Std Error	t value	P value
	(Intercept)	4.29166	0.34731	12.357	< 2e-16
	AKI	3.18608	0.45477	7.006	3.13E-10
	Cardiogenic Shock	-1.91528	0.44539	-4.3	4.03E-05
	Respiratory Shock	-0.40167	0.54144	-0.742	0.45995
	GI bleed	0.00864	0.73423	0.012	0.99064
	Liver-Related	-0.76804	1.0336	-0.743	0.45921
	Other	-1.5824	0.5585	-2.833	0.00559
Fold increase in uNGAL vs no AKI		Estimate	Lower CI	Upper CI	
		24	10	59	

Supplemental Table 2. Association of uNGAL level at ICU admission with Patient Factors in various stages of AKI

Model uNGAL at ICU Admission, log Tx					
	Coefficients	Estimate	Std Error	t value	P value
	(Intercept)	4.305167	0.35266	12.208	< 2e-16
	AKI Stage 1	2.990254	0.839778	3.561	0.000577
	AKI Stage 2	3.031192	0.830844	3.648	0.000429
	AKI Stage 3	3.341031	0.590667	5.656	1.59E-07
	Cardiogenic Shock	-1.937901	0.453361	-4.275	4.52E-05
	Respiratory Shock	-0.402125	0.546845	-0.735	0.463917
	GI bleed	-0.004868	0.742144	-0.007	0.99478
	Liver Related	-0.716272	1.068631	-0.67	0.504294
	Other	-1.618043	0.570682	-2.835	0.005583
Fold increase in uNGAL vs no AKI		Estimate	Lower CI	Upper CI	
	AKI Stage 1 effect	20	4	103	
	AKI Stage 2 effect	21	4	101	
	AKI Stage 3 effect	28	9	93	