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Supplementary Table 1. Daily dietary intake in kidney stone formers versus controls.

Supplementary Table 2. Current/recent medication use in kidney stone formers versus controls.

Supplementary Figure 1. Heatmap of bacterial taxa in children with kidney stone disease and matched healthy controls. Each column of the heatmap represents one fecal sample and each row represents one bacterial taxon. Taxa were included if the abundance in any sample exceeded 0.1%. (with the exception of Oxalobacteraceae and Oxalobacter formigenes which were included despite lower abundance due to their role in oxalate degradation). White cells denote taxa that were not observed in the sample.

Supplement Table 1. Median daily dietary intake for participants

Dietary Intake	Cases (N = 44)	Controls (N = 44)	P value*
Calcium (mg)	838.30	1016.90	0.11
Fructose (mg)	18.18	22.38	0.03
Magnesium (mg)	223.20	264.50	0.13
Oxalic Acid (mg)	125.50	157.80	0.05
Phytic Acid (mg)	561.10	645.90	0.24
Potassium (mg)	1867.10	2174.80	0.08
Butyric Acid (mg)	0.50	0.51	0.62
Sodium (mg)	2793.50	2980.40	0.33
Sucrose (mg)	36.25	47.12	0.07
Total Protein (g)	62.71	74.02	0.04
Water (mL)	2177.60	1922.30	0.02
Zinc (mg)	8.63	10.65	0.08

*Wilcoxon signed-rank test

Supplement Table 2. Current/recent medication use among cases and controls*				
Medication	Cases	Controls	Pairs	P value**
Antacids			31	0.25
No	33 (87%)	36 (100%)		
Yes	5 (13%)	0 (0%)		
NSAIDS			31	0.61
No	31 (82%)	26 (72%)		
Yes	7 (18%)	10 (28%)		
Proton pump inhibitors			40	1.00
No	42 (100%)	42 (100%)		
Yes	0 (0%)	0 (0%)		
Histamine receptor antagonists			38	0.13
No	40 (98%)	35 (85%)		
Yes	1 (2%)	6 (15%)		
Narcotics			38	0.50
No	39 (95%)	41 (100%)		
Yes	2 (5%)	0 (0%)		
Tricyclic antidepressants			39	0.50
No	38 (90%)	41 (100%)		
Yes	4 (10%)	0 (0%)		
Anticholinergics			39	1.00
No	42 (100%)	41 (100%)		
Yes	0 (%)	0 (%)		
Metoclopramide			39	1.00
No	42 (100%)	41 (100%)		
Yes	0 (0%)	0 (0%)		
Anti-diarrheal medications			40	1.00
No	42 (98%)	41 (100%)		
Yes	1 (2%)	0 (0%)		
Laxatives			36	1.00
No	39 (98%)	40 (100%)		
Yes	1 (3%)	0 (0%)		
Current medication			42	0.08
No	23 (53%)	32 (74%)		
Yes	20 (47%)	11 (26%)		
Number of meds				
1	6 (14%)	9 (21%)		
2	6 (14%)	1 (2%)		
3	6 (14%)	0 (0%)		
4	1 (2%)	0 (0%)		
7	0 (0%)	1 (2%)		
8	1 (2%)	0 (0%)		

*Antacids and NSAIDS within 2 weeks. Other listed medications within 4 weeks. **Exact McNemar significance probability.

