

Table 3

Amino acid (µmol/L)	PRE-ANTIBIOTIC TREATMENT			
	POST- ANTIBIOTIC TREATMENT			
	Pre-simulated bleed	T=2hr	T=	
4hr	Pre-simulated bleed	T=2hr	T=	
4hr				
Isoleucine	86.3 (3.9)	47.0 (4.5)	29.3 (4.8)***	
	72.3 (7.9)	37.5 (4.4)	35.6 (5.5) ***	
Leucine	108.4 (7.9)	332.7 (6.7)	354 (8.5)***	
	75.6 (6.1)	309.7 (7.8)	332.8 (9.1)***	
Glutamate (3.3)	72.1 (7.9)	91.0 (13.1)	99.2 (14.2)*	73
	83 (7.8)	85 (9.5)*		
Asparagine (7.9)	63.3 (7.5)	99.1 (11.2)	95.3 (8.0)*	80
	133 (11.1)	87 (7.5) **		
Serine	157.3 (11.8)	236.6 (26.9)	234.1 (16.5)**	
	151 (6.6)	281 (9.9)	215 (14.5) *	
Glutamine	716.0 (38.9)	825.0 (55.0)	805.5 (29.4)	
	524 (45.5)	714 (33.2)	739 (27.1) *	
Histidine (14.9)	106.6 (9.9)	224.0 (39.4)	200.1 (15.4)**	90
	282 (34.6)	173 (17.4) ***		
Glycine	229.2 (19.0)	333.7 (33.4)	332.7 (34.0)**	
	226 (19.1)	431 (33.2)	326 (39.0) **	
Threonine	196.7 (19.3)	324.0 (46.4)	334.5 (35.7)**	
	205 (24.6)	368 (49.7)	315 (34.2) **	
Citrulline (7.2)	69.9 (8.2)	67.2 (11.1)	75.3 (12.9)	51
	71 (9.3)	79 (8.4)		
Arginine	106.8 (11.4)	150.8 (22.6)	149.6 (17.6)	
	128 (18.6)	188 (26.1)	161 (21.8)	
Alanine	339.9 (36.8)	536.9 (81.2)	412.0 (51.5)	
	314 (36.1)	643 (45.2)	421 (51.1) **	
Taurine (5.8)	50.1 (6.2)	48.4 (7.6)	50.8 (6.4)	45
	41 (5.3)	32 (3.6)		
Tyrosine	111.3 (7.1)	146.0 (20.9)	154.5 (18.1)**	
	118.0 (15.1)	159.3 (13.2)	160.4 (18.1)**	
Valine	181.0 (11.0)	471.1 (48.1)	513.0 (47.1)***	
	131.3 (18.9)	490.1 (43.1)	418.4 (36) ***	
Methionine	43.6 (4.6)	53.3 (8.3)	41.2 (10.0)	
	44.1 (7.1)	50.7 (8.0)	39.2 (12.4)	
Phenylalanine	141.1 (12.0)	249.1 (22.5)	299.9 (20.0)***	
	137.2 (4.6)	282.8 (13.9)	291 (20.1) ***	
Tryptophan	55.1 (6.7)	75.8 (16.9)	89.1 (15.4)*	
	62.3 (9.9)	86.1 (19.2)	84.6 (11.4)*	
Ornithine	68.7 (6.9)	94.5 (12.2)	115.6 (21.0)	
	59.8 (10.0)	116.3 (11.1)	125.1 (19.1)	
Lysine	210.2 (19.1)	333.1 (31.5)	319.6 (25.6)*	
	215.2 (14.3)	323.1 (31.0)	356.1 (24.5)*	

*P<0.05, **P<0.01, ***P<0.001

Data expressed as mean (SEM)