

Supplementary Table 3. CGI improvement among three groups.

Bumetanide groups were stratified using the median of baseline GABA/Glx ratio in the insular cortex.

CGI improvement	Control group (n,%)	Bumetanide group (n,%)	
		bumetanide. lower GABA/Glx ratios	bumetanide. higher GABA/Glx ratios
1-Very much improved	0, 0%	0, 0%	1, 4%
2-Much improved	0, 0%	10, 67%	5, 22%
3-Minimally improved	10, 71%	4, 27%	15, 65%
4-No change	4, 29%	1, 6%	2, 9%
5-Minimally worse	/	/	/

CGI improvement among three groups	degree.of.freedom	Kruskal-Wallis.chi-squared		p-value
	2	13.64		0.0011
	post-hoc test			
	comparison	z	p-value	fdr-p
	bumetanide. higher GABA/Glx ratios vs. bumetanide. Lower GABA/Glx ratios	1.99	0.0468	0.0468
	bumetanide. higher GABA/Glx ratios vs. control	-2.10	0.0355	0.0532
	bumetanide. lower GABA/Glx ratios vs control	-3.69	0.0002	0.0007