

SUPPLEMENTARY MATERIAL

Table S1. Demographics of paediatric patients diagnosed with acute gastroenteritis with ongoing vomiting, and who were prescribed sublingual ondansetron (n=2979).

Demographics	
Age in years, mean $\pm$ SD	4.79 $\pm$ 4.03
Sex, no. (%)	
Male	1608 (54)
Female	1371 (46)
Ethnicity, no. (%)	
Chinese	1538 (51.6)
Malay	542 (18.2)
Indian	395 (13.3)
Others	504 (16.9)
Days of illness, mean $\pm$ SD	1.66 $\pm$ 1.19
Hydration status, no. (%)	
Euvolemic	2668 (89.6)
Mild dehydration	268 (9.0)
Moderate dehydration	34 (1.1)
Severe dehydration	1 (0.03)

SD: standard deviation

Table S2. Comparison of clinical characteristics between patients who experienced early success and patients who experienced early failure with ondansetron for acute gastroenteritis.

Factors	Early success^a (n=2854)	Early failure^b (n=125)	P value
Sex, no. (%)			
Male	1547 (54.2)	61 (48.9)	0.235
Female	1307 (45.8)	64 (51.2)	
Age in years, mean (range)	4.7 (0–16)	6.5 (0–18)	0.008
Days of illness, mean (range)	1.7 (1–11)	1.8 (1–7)	0.31
No. of vomiting episodes, no. (%)			
5 or less	1828 (64)	67 (53.6)	0.017
6 or more	1026 (35.9)	58 (46.4)	
Diarrhoea, no. (%)	804 (28.2)	37 (29.6)	0.73
Fever, no. (%)	1187 (41.6)	47 (37.6)	0.38
Abdominal pain, no. (%)	1178 (41.3)	54 (43.2)	0.67
Tachycardia, no. (%)	615 (21.5)	21 (16.8)	0.21
Hydration status, no. (%)			
Total	2846 (100)	125 (100)	<0.001
Euvolemic	2581 (90.7)	87 (69.6)	
Mild dehydration	240 (8.4)	28 (22.4)	
Moderate dehydration	25 (0.9)	9 (7.2)	
Severe dehydration	0 (0)	1 (0.8)	
Dose (mg/kg) of ondansetron, mean (range)	0.17 (0.04–0.30)	0.16 (0.07–0.21)	0.82
Admission, no. (%)	63 (2.2)	119 (95.2)	<0.001
Reattendance, no. (%)	203 (7.1)	3 (2.4)	0.041

^a Defined as successful trial of fluids after sublingual ondansetron was dosed at initial consult.

^b Defined as persistent vomiting/failed trial of fluids after sublingual ondansetron was dosed at initial consult.

Table S3. Comparison of clinical characteristics between patients who experienced total success and patients who experienced total failure with ondansetron for acute gastroenteritis.

Factors	Total success^a (n=2588)	Total failure^b (n=391)	P value
Sex, no. (%)			
Male	1393 (53.8)	215 (55.0)	0.667
Female	1195 (46.2)	176 (45.0)	
Age in years, mean (range)	4.8 (0–16)	4.9 (0–18)	0.16
Days of illness, mean (range)	1.7 (1–10)	1.7 (1–11)	0.13
No. of vomiting episodes, no. (%)			
5 or less	1656 (64.0)	233 (59.6)	0.09
6 or more	932 (36)	158 (40.4)	
Diarrhoea, no. (%)	718 (27.8)	123 (31.5)	0.13
Fever, no. (%)	1070 (41.4)	164 (41.7)	0.90
Abdominal pain, no. (%)	1084 (41.9)	148 (37.6)	0.11
Tachycardia, no. (%)	551 (21.3)	85 (21.5)	0.94
Hydration status, no. (%)			
Total	2580 (100)	391 (100)	<0.001
Euvolemic	2366 (91.7)	302 (77.2)	
Mild dehydration	200 (7.8)	68 (17.4)	
Moderate dehydration	14 (0.5)	20 (5.1)	
Severe dehydration	0 (0.0)	1 (0.3)	
Dose (mg/kg) of ondansetron, mean (range)	0.17 (0.04–0.30)	0.17 (0.06–0.25)	0.45

^a Defined as successful trial of fluids, not requiring admission and no reattendance within 3 days of initial consult.

^b Defined as persistent vomiting/failure of trial of fluids (at initial consult or after going home), need for admission or any reattendance within 3 days of initial consult.