

Table 2 Study quality and definitions

Study	Methodological quality*			Definitions	
	Jadad score	Number of withdrawals (reasons)	Number of failures (reasons)	Treatment failure	Diarrhea
Atherly-John	3	0	3 ORT (3 vomiting)	-Vomited 3 or more times after initiation of ORT	< 7 days
de Pumarejo	1	0	0	Not defined	< 7 days rapid onset
El-Mougi	1	0	0	Not defined	< 3 days
Gremse	1	0	1 ORT/NG (persistent vomiting)	-Persistent vomiting	< 5 days
Gonzalez-Adriano	1	0	13 ORT (7 shock, 3 septicaemia, 2 persistent vomiting, 1 paralytic ileus [†])	Not defined	< 15 days
Issenman	2	0	4 ORT (3 non-compliance [‡] , 1 not reported) 4 IVT (2 persistent vomiting, 2 not reported)	-Refused ORT via PO -Dehydrated at 24 hrs -Unable to maintain oral intake	> 3 stool outputs/day for < 5 days stool takes shape of container
Listernick	2	0	2 ORT (persistent vomiting)	-Dehydrated at 12 hrs -Inadequate oral intake due to vomiting or refusal to drink	< 5 days increased frequency or more liquid consistency; stool takes shape of container
Mackenzie	2	5 ORT (2 septicaemia, 1 UTI, 1 duodenal ulcer, 1 parental request) 2 IVT (intussusception)	2 ORT (persistent vomiting)	-Persistent vomiting prevents rehydration -Impending circulatory failure -2% weight loss after admission	≤ 7 days
Nager	2	0 (failure outcome only) 2 ORT (1 vomiting, 1 intussusception) 4 IVT (2 vomiting, 2 >10% dehydrated)	1 ORT (vomiting) 2 IVT (vomiting)	-Vomited 3 or more times after institution of NG hydration (then switch to IVT)	≤ 7 days
Santosham	2	0	1 ORT (unscheduled IVT)	-Refused ORT -Initial signs of dehydration after 8 hrs -dehydration returned during maintenance phase	< 5 days stool takes shape of container
Sharifi	1	0	1 ORT (dehydration worsened)	Dehydration worse or unchanged after 2 hrs	> 10 cc/kg/hr
Singh	0	0	0	Not defined	Not defined
Tamer	2	3 ORT (non-compliance or deviation from protocol)	3 ORT (1 persistent vomiting, 1 seizures [§] , 1 cerebral palsy)	Not defined	Not defined
Vesikari	2	0	2 ORT (1 persistent vomiting and diarrhea, 1 insufficient volume)	Not defined	Not defined

* quality based on information in published report

[†] reported as a complication in other studies[‡] the only intention-to-treat analysis, although not reported as such[§] reported as an adverse event in other studies^{||} these patients were excluded from the study but were considered treatment failures for the present analysis