Figure 2: Mortality at ≤3 months

	OHI (once a	a day)	Usual of	care		Risk Ratio	Risk Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% C	M-H, Fixed, 95% Cl
Ab Malik 2018	3	38	4	48	53.2%	0.95 [0.23, 3.98]	_
Kim 2014	2	29	3	27	46.8%	0.62 [0.11, 3.43]	
Total (95% CI)		67		75	100.0%	0.79 [0.27, 2.37]	
Total events	5		7				
Heterogeneity: Chi ² =	0.14, df = 1 (P	= 0.71);	l² = 0%				
Test for overall effect:	Z = 0.41 (P =	0.68)					0.01 0.1 1 10 100 Favours OHI (once a day) Favours usual care

Figure 3: Requirement of enteral feeding support (nasogastric tube removal) at ≤3 months

	OHI (once a	Usual o	are	Risk Ratio	Risk Ratio								
Study or Subgroup	Events	Total	Events	Total	M-H, Fixed, 95% CI		Ν	A-H, Fixed, 95	% CI				
Chen 2019	7	33	2	33	3.50 [0.78, 15.62]				+ <u> </u>				
						0.01	0.1	1	10	100			
							Favours usu	al care Favo	Favours OHI (once a day)				

Figure 4: Oral health outcome scales (Oral Health Assessment Tool, 0-16, lower values are better, final value) at ≤3 months

	OHI (o	Usı	ual cai	re	Mean Difference	Mean Difference								
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	IV, Fixed, 95% CI	IV, Fixed, 95% CI						
Chen 2019	3.42	1.89	33	5.99	2.14	33	-2.57 [-3.54, -1.60]	+						
							-	-10).	-5	0	5	10	
								Favours OHI (once a day) Favours usual care						

Notes: Oral health intervention (once a day): 5.64 (2.54). Usual care: 5.24 (1.77).

Figure 5: Dysphagia severity (Functional Oral Intake Scale, 1-7, higher values are better, final value) at ≤3 months

	OHI (c	Usı	al car	е	Mean Difference	Mean Difference						
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	IV, Fixed, 95% CI	IV, Fixed, 95% CI				
Chen 2019	3.94	2.38	33	3.52	1.92	33	0.42 [-0.62, 1.46]					
								-4 -2 0 2 4				
								Favours usual care Favours OHI (once a	a day)			

Notes: Oral health intervention (once a day): 3.15 (2.06). Usual care: 3.15 (1.79).

Figure 6: Presence of oral disease (oral candidiasis - on tongue) at ≤3 months

	OHI (once a	Usual care			Risk Ratio	Risl	Ratio		
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% Cl	M-H, Fix	ced, 95% CI	
Ab Malik 2018	12	38	13	48	31.6%	1.17 [0.60, 2.25]	_		
Kim 2014	23	29	24	27	68.4%	0.89 [0.71, 1.12]	1		
Total (95% CI)		67		75	100.0%	0.98 [0.75, 1.28]	•	•	
Total events	35		37						
Heterogeneity: Chi ² = Test for overall effect:	, (//	l² = 0%				0.01 0.1 Favours OHI (once a day)	1 10 Favours usual care	100

Figure 7: Presence of oral disease (oral candidiasis - in saliva) at ≤3 months

	OHI (once a	Usual o	are	Risk Ratio	Risk Ratio							
Study or Subgroup	Events	Total	Events	Total	M-H, Fixed, 95% CI	M-H, Fixed, 95% CI						
Kim 2014	22	29	20	27	1.02 [0.76, 1.39]	· · + ·						
						0.01	0.1	1	10	100		
						Favours OHI (once a day) Favours usual care						

Figure 8: Presence of oral disease (gingivitis - gingival index, 0-3, lower values are better, final value) at ≤3 months

	OHI (o	nce a d	day)	Usı	ial car	е	Mean Difference	Mean Difference					
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	IV, Fixed, 95% CI	IV, Fixed, 95% CI					
Kim 2014	0.47	0.64	29	1.6	0.61	27	-1.13 [-1.46, -0.80]	-+					
							-	÷	2 -	1	0	1	2
								Favours OHI (once a day) Favours usual care					

Notes: Baseline oral hygiene intervention (once a day): 1.54 (0.47). Baseline usual care: 1.3 (0.53).

Figure 9: Length of hospital stay (length of ICU admission, days, lower values are better) at ≤3 months

-	OHI (once a d	day)	Usi	ual car	e –	Mean Difference	Mean Difference						
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	IV, Fixed, 95% CI	I IV, Fixed, 95% CI						
Kim 2014	15.69	10.02	29	18.15	8.07	27	-2.46 [-7.21, 2.29]		. –	-+				
								-20	-10	0	10	20		
								Favours OHI (once a day) Favours usual care						