

Stroke rehabilitation: evidence review for oral hygiene October 2023

Figure 11: Occurrence of pneumonia at ≤3 months

	OHI (twice a	Usual c	are		Risk Difference	Risk Difference					
Study or Subgroup	Events	Events Total		Total	Weight	M-H, Fixed, 95% CI	M-H, Fixed, 95% Cl				
Dai 2017	0	44	0	30	51.6%	0.00 [-0.05, 0.05]	+				
Lam 2013	0	34	0	33	48.4%	0.00 [-0.06, 0.06]	• •				
Total (95% CI)		78		63	100.0%	0.00 [-0.04, 0.04]	•				
Total events	0		0								
Heterogeneity: Chi ² = Test for overall effect:		<i>/</i> ··	l ² = 0%				-1 -0.5 0 0.5 Favours OHI (twice a day) Favours usual care				

Figure 12: Requiring enteral feeding support (FOIS 1-3 at end of trial) at ≤3 months

0			U				•			
	OHI (twice a	a day)	Usual care		Risk Ratio			Risk	Ratio	
Study or Subgroup	Events	Total	Events	Total	M-H, Fixed, 95% Cl			M-H, Fixe	ed, 95% CI	
Chips 2014	1	29	2	22	0.38 [0.04, 3.92]					
						0.01	0.1		1 10	100
						Favou	rs OHI (t	wice a day)	Favours usual care	

Figure 13: Oral health outcome scales (revised-THROAT, 7-21, lower values are better, final value) at ≤3 months

			OHI (twice a day)	Usual care	Mean Difference		Mean Difference					
Study or Subgroup	Mean Difference	SE	Total	Total	IV, Fixed, 95% CI			IV, Fixed, 95%	CI			
Chips 2014	-0.8	0.4475	29	22	-0.80 [-1.68, 0.08]			+				
						-20	-10	0	10	20		
						Favours OHI (twice a day) Favours usual care						

Notes: Baseline oral health intervention (twice a day): 10.8 (2.6). Baseline usual care: 12.2 (2.1).



Final

Figure 14: Dysphagia severity (progression in FOIS from 4-5 to 6-7 at end of trial) at ≤3 months

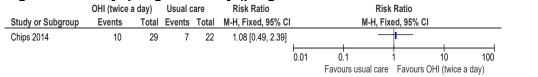


Figure 15: Presence of oral disease (gingivitis - gingival bleeding index, scale range unclear, lower values are better, final value) at ≤3 months

	OHI (twice a day)			Usual care			Mean Difference	Mean Difference					
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	IV, Fixed, 95% CI	IV, Fixed, 95% CI					
Lam 2013	10	15.9436	34	17.7	46.4678	33	-7.70 [-24.44, 9.04]						
								-100	-50	Ó	50	100	
								Favours OHI (twice a day) Favours usual care					

Notes: Baseline oral health intervention (twice a day). 18.8. Baseline usual care: 16.7.