

This is a repository copy of *Oral hygiene and infective endocarditis: a case control study*.

White Rose Research Online URL for this paper: https://eprints.whiterose.ac.uk/196888/

Version: Supplemental Material

Article:

Lockhart, P., Chu, V., Zhao, J. et al. (12 more authors) (2023) Oral hygiene and infective endocarditis: a case control study. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 136 (3). pp. 333-342. ISSN 2212-4403

https://doi.org/10.1016/j.oooo.2023.02.020

Article available under the terms of the CC-BY-NC-ND licence (https://creativecommons.org/licenses/by-nc-nd/4.0/).

Reuse

This article is distributed under the terms of the Creative Commons Attribution-NonCommercial-NoDerivs (CC BY-NC-ND) licence. This licence only allows you to download this work and share it with others as long as you credit the authors, but you can't change the article in any way or use it commercially. More information and the full terms of the licence here: https://creativecommons.org/licenses/

Takedown

If you consider content in White Rose Research Online to be in breach of UK law, please notify us by emailing eprints@whiterose.ac.uk including the URL of the record and the reason for the withdrawal request.



Table 2. Dental and Medical History

Dental History

	Case (N=61)†	Control (N=119)	p-value
Frequency of dentist or dental hygienist office visits			0.013
- Two or more times per year	33(54.1)	82(68.9)	
- One time per year	7(11.5)	17(14.3)	
- Less than once a year	8(13.1)	10(8.4)	
- Emergency only	6(9.8)	9(7.6)	
- Never	7(11.5)	1(0.84)	
Number of dental office visits in the past 12 weeks			0.007
- None	49(80.3)	69(58.0)	
- 1	9(14.8)	43(36.1)	
- 2	1(1.6)	5(4.2)	
- 3	2(3.3)	2(1.7)	
Toothbrushing frequency			0.80
- 3x/day or more	7(11.5)	12(10.1)	
- 2x/day	34(55.7)	76(63.9)	
- 1x/day	18(29.5)	28(23.5)	
- Less than once per day	1(1.6)	2(1.7)	
- Weekly	1(1.6)	1(0.84)	
Gingival bleeding with tooth brushing			0.60
- No	45(73.8)	93(78.2)	
- Yes, less than 50% of the time	10(16.4)	20(16.8)	
- Yes, about 50% of the time	3(4.9)	4(3.4)	
- Yes, more than 50% of the time	3(4.9)	2(1.7)	
Frequency of dental flossing			0.37
- 1x or more/day	37(60.7)	54(45.4)	0.052
- Less than 1x/day	24(39.3)	65(54.6)	

past 12 weeks					
Medical History*					
	Case	Control	p-value		
	(N=62)	(N=119)			
Chronic Pulmonary Disease	4(6.5)	11(9.2)	0.52		
Coronary Artery Disease	6(9.7)	12(10.1)	0.93		
Cerebrovascular Disease; History of CVA or TIA	12(19.4)	6(5.0)	0.002		
HIV	0(0.0)	1(0.84)	0.99		
Congenital heart disease	13(21.0)	42(35.3)	0.047		
Chronic Kidney Disease	8(12.9)	6(5.0)	0.079		
Cancer:					
- Solid Organ	0(0.0)	1(0.84)	0.99		
- Melanoma	0(0.0)	1(0.84)	0.99		
- Gastrointestinal (Colon, Small Intestine, Stomach)	0(0.0)	1(0.84)	0.99		
Crohn's Ulcerative Colitis	1(1.6)	5(4.2)	0.67		
Peptic Ulcer Disease	4(6.5)	3(2.5)	0.23		
Liver Disease	6(9.7)	3(2.5)	0.065		
Hypertension	29(46.8)	53(44.5)	0.77		
Immunosuppressive Therapy	3(4.8)	2(1.7)	0.34		
Alcoholism	1(1.6)	1(0.84)	0.99		
Illness Requiring Systemic Steroid Use	11(17.7)	4(3.4)	< 0.001		
Fever	43(69.4)	4(3.4)	< 0.001		
Diabetes Mellitus	10(16.1)	12(10.1)	0.24		
Sleep Apnea	7(11.3)	13(10.9)	0.94		

6(9.8)

0.090

4(3.4)

Values presented as Mean \pm SD, or N (column %).

Mouth swelling from an infection or 'tooth ache' in the

p-values based on t-test, Pearson's chi-square test, or Fisher's Exact test.

^{*} Medical and dental history were acquired from both the study participant and their electronic medical record. If one source indicated a positive response and the other source was a negative response, a positive response was used here.

[†]One case patient has a missing value on Social and Dental History. Social History was only self-reported.