

Supporting Information

Impaired polymorphonuclear neutrophils in the oral cavity of edentulous individuals

RIJKSCHROEFF P, LOOS BG, NICU EA

Department of Periodontology, Academic Centre for Dentistry Amsterdam, the Netherlands

Table S1. Overview of results of analysis of oPMNs and cPMNs.

	Edentulous subjects			Dentate subjects		
	oPMNs	cPMNs	<i>P</i> -value*	oPMNs	cPMNs	<i>P</i> -value*
Late apoptotic/necrotic	64.5% (19.9-85.4)	9.1% (1.1-22.5)	<0.001	43.1% (29.5-81.4)	3.3% (1.2-29.4)	<0.001
Cell activation						
CD11b (MFI x 10 ⁴)	0.8 (0.0-10.8)	1.7 (0.4-3.6)	0.516	9.4 (5.2-15.9)	0.6 (4.1-1.8)	<0.001
No expression; n (%)	7 (33.3%) ^a	0		0	0	
CD63 (MFI x 10 ⁴)	0.5 (0.0-6.1)	0.2 (0-1.3)	0.011	4.1 (1.0-12.5)	0.2 (0.1-1.7)	<0.001
No expression; n (%)	6 (28.6%) ^b	2 (10%) ^c		0	0	
CD66b (MFI x 10 ⁴)	1.4 (0.0-71.7)	2.2 (1.0-60.8)	0.452	15.6 (8.2-21.3)	2.9 (0.9-30.6)	0.001
No expression; n (%)	6 (28.6%) ^d	0		0	0	
ROS (MFI x 10 ⁴)						
Unstimulated	32.0 (4.3-394.2)	7.7 (1.7-230.2)	0.001	54.9 (13.0-166.7)	11.4 (2.2-151.8)	0.007
PMA	16.2 (2.8-193.9)	438.8 (97.9-856.9)	<0.001	179.9 (18.7-888.4)	521.0 (167.6-957.1)	<0.001
<i>F.nucleatum</i>	28.3 (11.1-292.4)	571.3 (83.3-1074.2)	<0.001	122.1 (27.1-589.3)	487.7 (156.9-898.3)	<0.001

Values represent medians (range) or numbers (percentages). MFI, mean fluorescence intensity; PMA, phorbol myristate acetate; *F. nucleatum*, *Fusobacterium nucleatum*. * Wilcoxon Signed Rank test of comparisons between oPMNs and cPMNs. *P*-values <0.05 were considered statistically significant and are highlighted in bold.

^a χ^2 test, comparison between edentulous and dentate subjects, *P*=0.009.

^b χ^2 test, comparison between edentulous and dentate subjects, *P*=0.021.

^c χ^2 test, comparison between edentulous and dentate subjects, *P*=0.487.

^d χ^2 test, comparison between edentulous and dentate subjects, *P*=0.021.