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Reduced platelet hyper-reactivity and platelet-leukocyte aggregation after periodontal therapy

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DOI

[10.1186/s12959-016-0125-x](https://doi.org/10.1186/s12959-016-0125-x)

Publication date

2017

Document Version

Other version

Published in

Thrombosis Journal

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Citation for published version (APA):

Arvanitidis, E., Bizzarro, S., Rodriguez, E. A., Loos, B. G., & Nicu, E. A. (2017). Reduced platelet hyper-reactivity and platelet-leukocyte aggregation after periodontal therapy. *Thrombosis Journal*, 15(1), [5]. <https://doi.org/10.1186/s12959-016-0125-x>

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Additional file 2. Predictive factors of changes after treatment in platelet-related parameters according to multiple linear regression analysis

Independent variables	PAC-1 binding (response to ADP)					PAC-1 binding (response to Pg)					PAC-1 binding(response to Sm)				
	B	Std. error	t	P-value	95% CI for B	B	Std. error	t	P-value	95% CI for B	B	Std. error	t	P-value	95% CI for B
Smoking (pack years)	0.01	0.01	1.34	0.21	-0.01 to 0.04	0.01	0.01	1.08	0.30	-0.01 to 0.02	-0.01	-0.01	-0.94	0.37	-0.03 to 0.01
LDL	-1.62	0.88	-1.85	0.09	-3.55 to 0.31	0.82	0.46	1.79	0.10	-0.19 to 1.83	-0.61	0.78	-0.78	0.45	-2.33 to 1.11
WC	-0.24	1.89	-0.13	0.90	-4.39 to 3.92	-1.95	0.99	-1.98	0.07	-4.13 to 0.22	1.40	1.68	0.83	0.42	-2.30 to 5.11
SBP	2.93	3.42	0.86	0.41	-4.59 to 10.45	0.19	1.79	0.11	0.92	-3.75 to 4.13	-1.16	3.05	-0.38	0.71	-7.86 to 5.55
Response to treatment	3.26	1.18	2.76	0.02	0.66 to 5.86	-0.60	0.62	-0.97	0.35	-1.96 to 0.76	2.41	1.05	2.29	0.04	0.09 to 4.72
	R ² : 0.584; F=3.083; P=0.05					R ² : 0.438; F=1.717; P=0.21					R ² : 0.405; F=1.498; P=0.27				

Independent variables	CD62p (response to Pg)					CD63 (response to Pg)					PLC (response to Pg)				
	B	Std. error	t	P-value	95% CI for B	B	Std. error	t	P-value	95% CI for B	B	Std. error	t	P-value	95% CI for B
Smoking (pack years)	0.02	0.02	1.30	0.22	-0.02 to 0.06	-1.01	0.67	-1.52	0.88	-0.98 to 9.38	0.01	0.02	0.42	0.68	-0.03 to 0.04
LDL	-0.09	1.41	-0.06	0.95	-3.19 to 3.02	0.39	0.50	0.78	0.45	-0.71 to 1.48	1.07	1.25	0.86	0.41	-1.72 to 3.87
WC	3.49	3.04	1.15	0.27	-3.20 to 10.18	-0.45	1.07	-0.42	0.68	-2.81 to 1.90	-0.86	2.68	-0.32	0.75	-6.84 to 5.11
SBP	-4.48	5.50	-0.82	0.43	-16.59 to 7.63	-3.16	1.94	-1.63	0.13	-7.42 to 1.10	-1.53	4.83	-0.32	0.76	-12.29 to 9.24
Response to treatment	-1.63	1.90	-0.86	0.41	-5.82 to 2.55	-1.01	0.67	-1.52	0.16	-2.49 to 0.46	0.35	1.71	0.20	0.84	-3.46 to 4.16
	R ² : 0.292; F=0.907; P=0.51					R ² : 0.396; F=1.445; P=0.28					R ² : 0.156; F=0.370; P=0.86				

Independent variables	PNC (response to Tf)					PNC (response to Ss)					PMC (response to Ss)				
	B	Std. error	t	P-value	95% CI for B	B	Std. error	t	P-value	95% CI for B	B	Std. error	t	P-value	95% CI for B
Smoking (pack years)	0.02	0.04	0.43	0.67	-0.06 to 0.09	0.03	0.03	1.09	0.30	-0.03 to 0.09	-1.97	1.79	-1.10	0.30	-0.03 to 0.04
LDL	6.64	2.95	2.25	0.06	0.14 to 13.13	3.80	2.36	1.61	0.14	-1.39 to 8.99	-198.97	151.65	-1.31	0.22	-532.75 to 134.82
WC	0.37	6.35	0.06	0.95	-13.61 to 14.35	-1.46	5.08	-0.29	0.78	-12.64 to 9.71	174.52	326.42	0.54	0.60	-6.84 to 5.11
SBP	20.03	11.50	1.74	0.11	-5.28 to 45.34	14.18	9.19	1.54	0.15	-6.05 to	-1155.04	591.01	-1.95	0.08	-2455.84 to

										34.41					145.76
Response to treatment	-0.03	3.97	-0.01	0.99	-8.77 to 8.71	-2.09	3.17	-0.66	0.52	-9.08 to 4.89	-202.12	204.15	-0.99	0.34	-651.45 to 247.20
	R ² : 0.365; F=1.264; P=0.345					R ² : 0.338; F=1.124; P=0.40					R ² : 0.365; F=1.265; P=0.34				

The regression models included the following variables as predictors: smoking amounts, LDL, waist circumference (WC), systolic blood pressure (SBP) and the clinical response to periodontal treatment. PLC (platelet-leukocyte complexes), PNC (platelet-neutrophil complexes), PMC (platelet-monocyte complexes). ADP (adenosine diphosphate), *Pg* (*Porphyromonas gingivalis*), *Tf* (*Tannerella forsythia*), *Ss* (*Streptococcus sanguis*) and *Sm* (*Streptococcus mutans*).