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DDS

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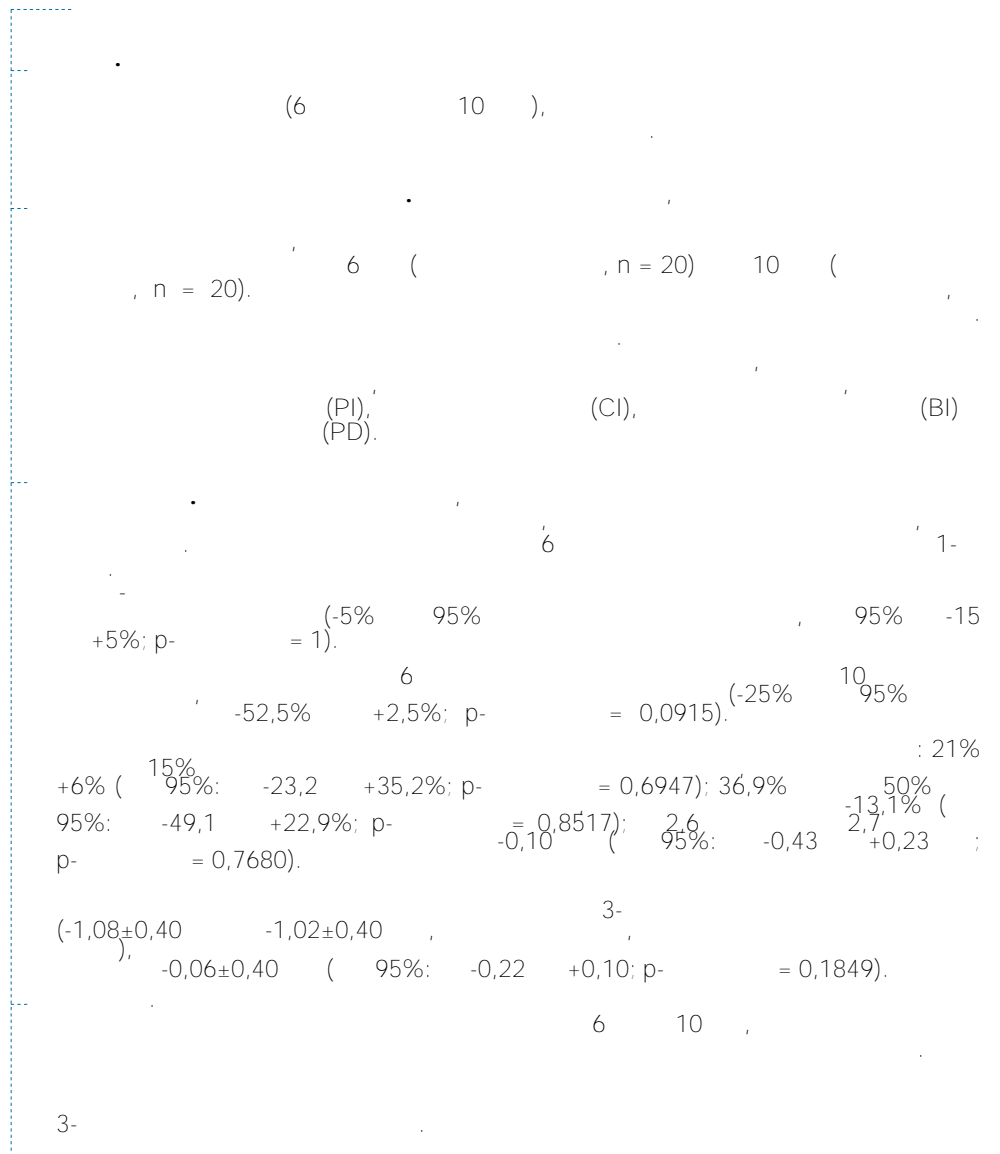
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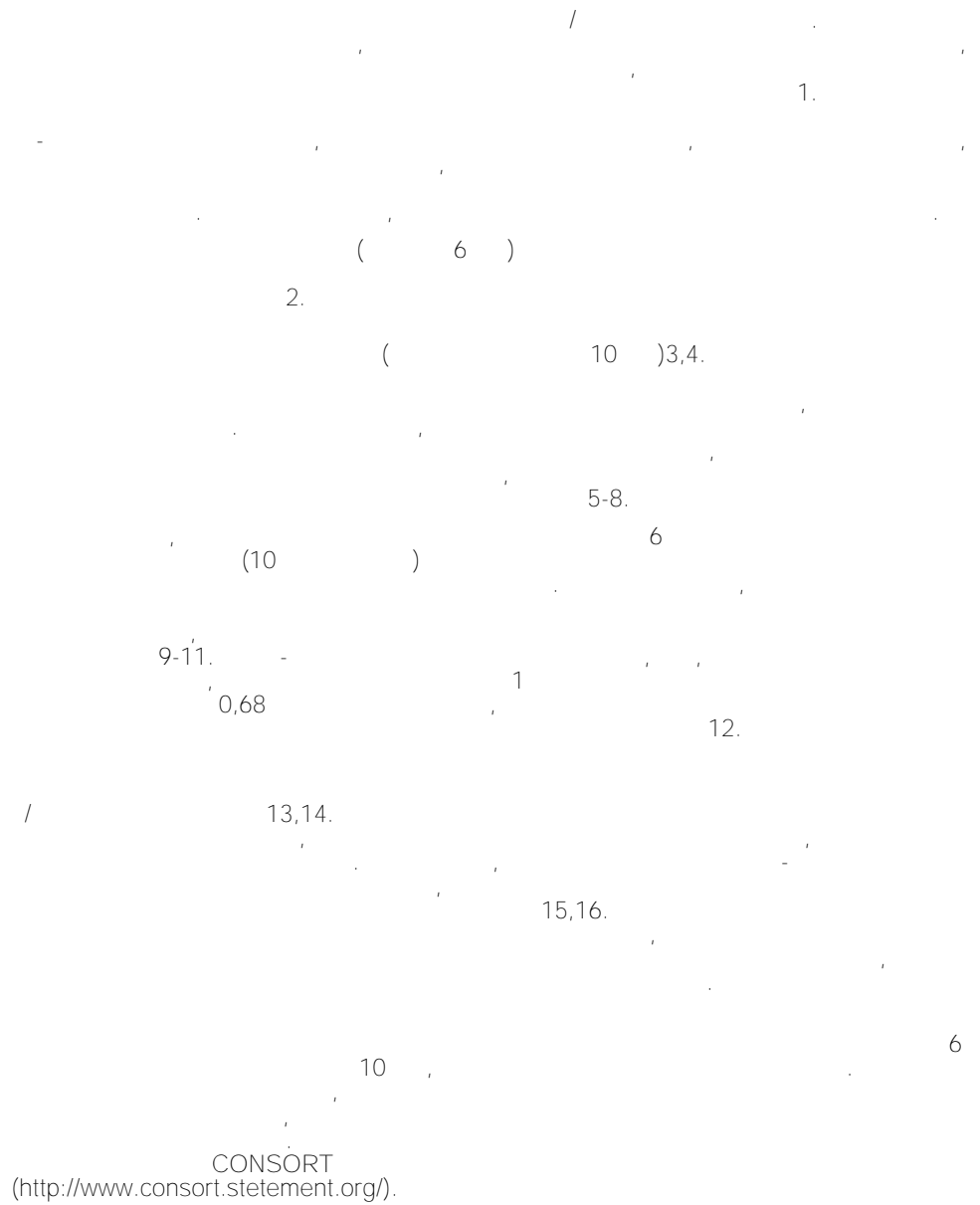
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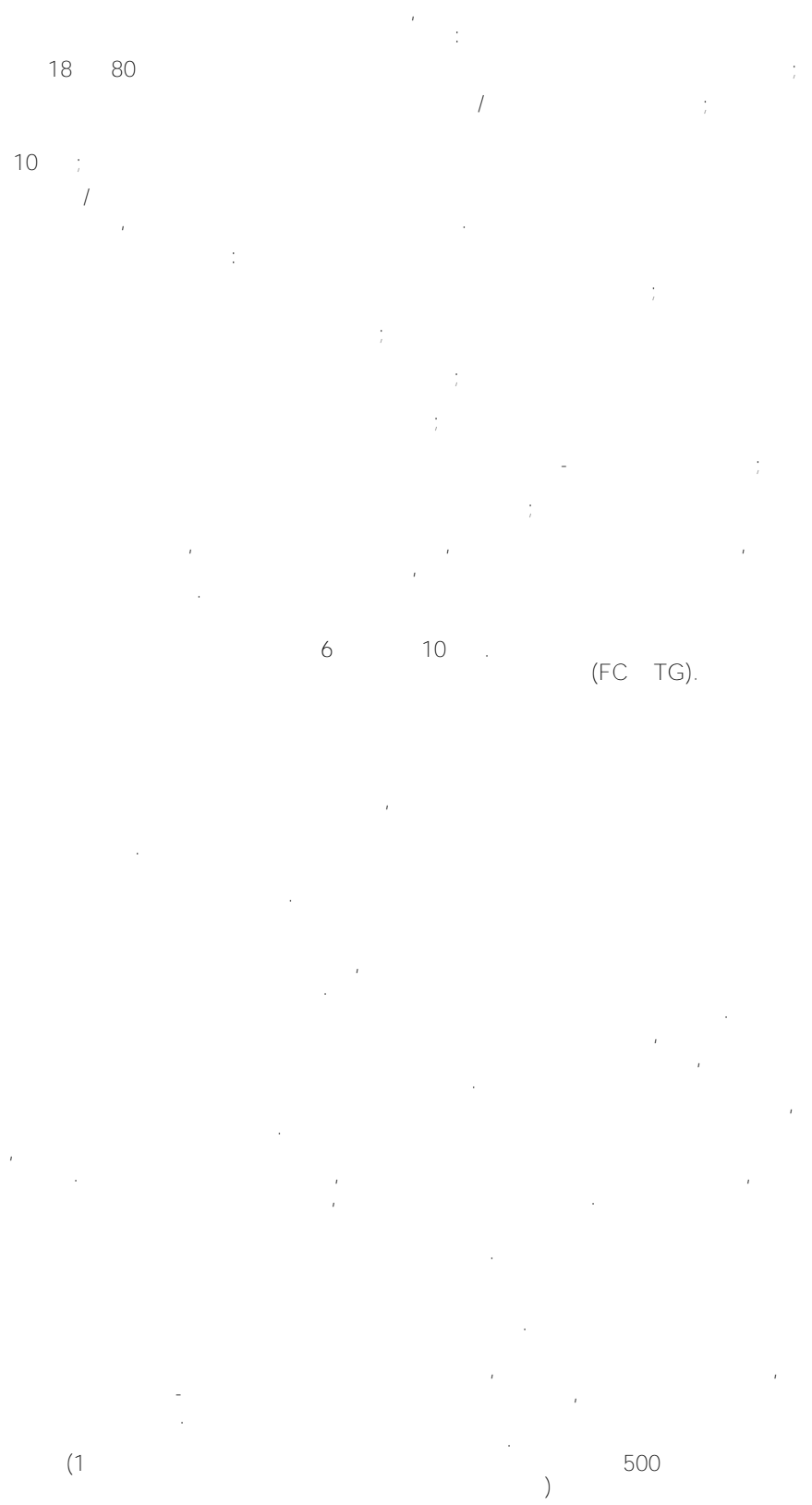
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2024) () 2021

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(JDEvolution Plus, JDentalCare,)

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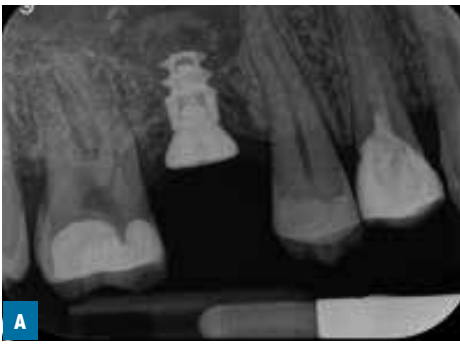


Fig. 1. 36

Fig. 6-

Fig. 12



Fig. 2. 36

Fig. 10-

Fig. D) ;) 12 ; F)

(PI) : :0 - ;1 - ;2 - ;3

18,19. (BI) :0 - ;1 - ;2 - ;3.

18,19. () : (0 (1) 19. (PD): (Colorvue, Hu-Friedy)18,19.

JPG, TIFF 600 Image J 1.42 ()

21,22 (80%- n = 32), 16 10 3% 20 15% 15%

Statistics Toolbox (MatLab 7.11). (H0): 6 10

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0,05.

40 (20

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1.

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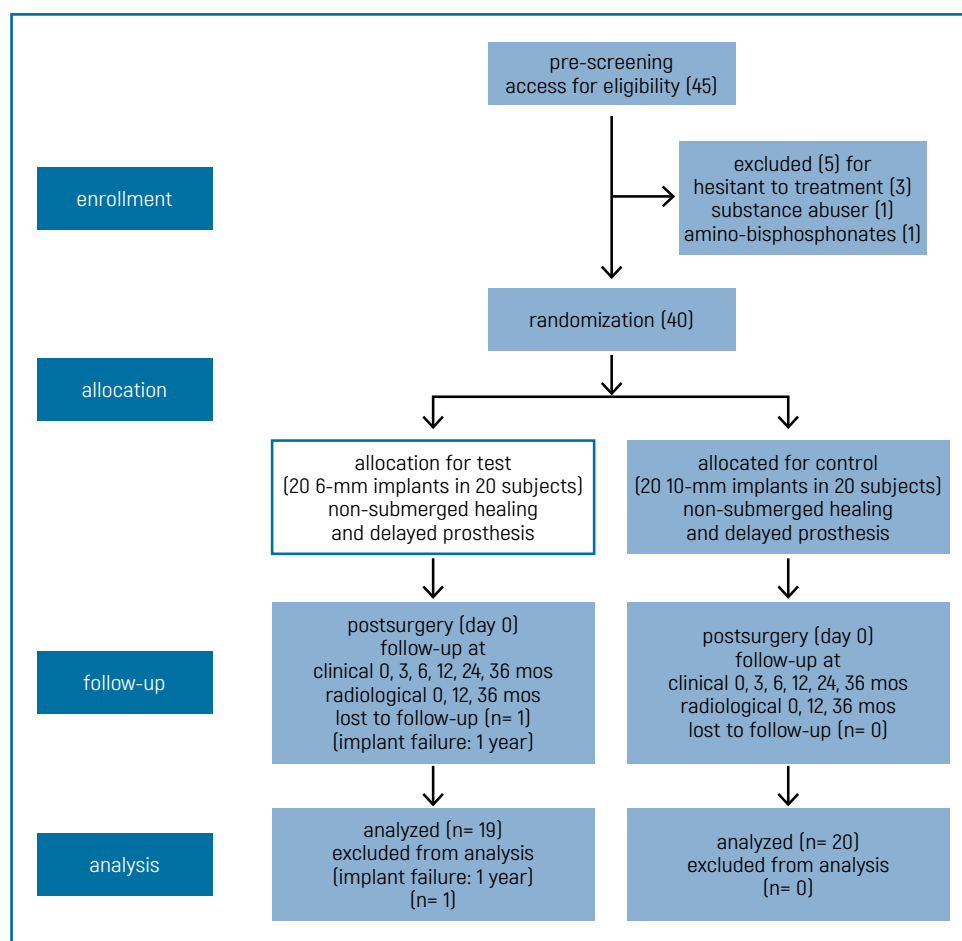
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(N = 40),

	Test: 6 mm short implants n = 20			Control: 10 mm standard implants n = 20		
age (in years)	54.4(16.8)			55.5(15.7)		
variable	rank	count (failure)	percent	rank	count (failure)	percent
gender	female male	13(1) 7	65% 35%	female male	15 5	75% 25%
implant position	bicuspid molar	5 15(1)	25% 75%	bicuspid molar	3 17	15% 85%
bone quality (I, II, III, IV)	type I type II type III type IV	1 8 9 2(1)	5% 40% 45% 10%	type I type II type III type IV	2 14 4 0	10% 60% 20% 0%
smokers	no £ 10 cigarettes/day > 10 cigarettes/day	14 5(1) 1	70% 25% 5%	no £ 10 cigarettes/day > 10 cigarettes/day	13 6 1	65% 30% 5%
concomitant diseases	no hypertension diabetes bruxism thyroid disease	14(1) 2 1 3 0	70% 10% 5% 15% 0%	no hypertension diabetes bruxism thyroid disease	11 5 2 3 1	55% 25% 10% 15% 5%
opposite dentition	natural dentition crown on implant crown on tooth	15(1) 3 2	75% 15% 10%	natural dentition crown on implant crown on tooth	13 4 3	65% 20% 15%
insertion torque (Ncm)	15 25 30 35 40 45 50 60 80	1 1 5(1) 2 0 2 0 4 5	5% 5% 25% 10% 0% 10% 0% 20% 25%	15 25 30 35 40 45 50 60 80	0 0 3 0 1 2 1 5 8	0% 0% 15% 0% 5% 10% 5% 25% 40%

10-
 II III
 () 40 20 10 20 () 6
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 (1) (= 1) 30
 +5%; p- = 1). -5% (95%: -15
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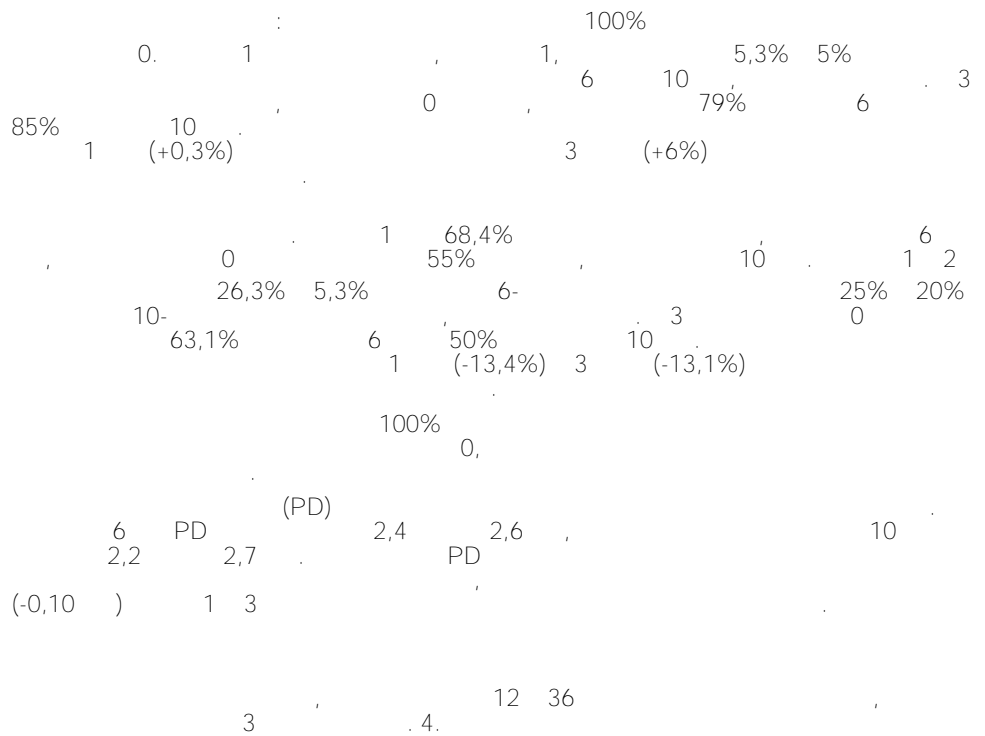
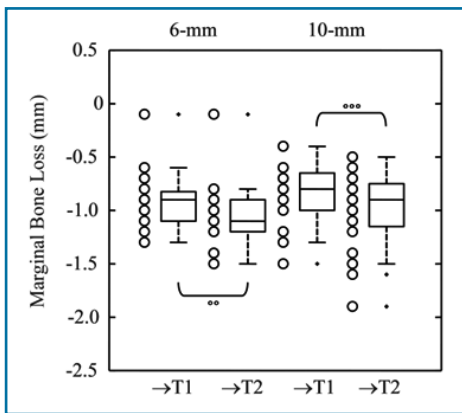


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-52,5% +2,5%; p- = 0,0915). (-25% 95% 10

2.

(² (0-1), (0-3), (T1), 1 (T12) 3 (T36) 0-3)

		implant groups (size)	T1				T2				T3			
		score	0	1	2	3	0	1	2	3	0	1	2	3
plaque index	test: 6-mm short implants	count	20	0	0	0	18	1	0	0	15	4	0	0
		percent	100	0	0	0	94.7	5.3	0	0	79	21	0	0
	control: 10-mm standard implants	count	20	0	0	0	19	1	0	0	17	3	0	0
		percent	100	0	0	0	95	5	0	0	85	15	0	0
test vs. control		p-value	1*				1*				0.6947*			
		difference in percentage	0%				+0.3% ± 14.2%				+6% ± 29.2%			
		95% confidence interval	N.D.				[-13.9% +14.5%]				[-23.2% +35.2%]			
calculus index	test: 6-mm short implants	count	20	0			19	0			19	0		
		percent	100	0			100	0			100	0		
	control: 10-mm standard implants	count	20	0			20	0			20	0		
		percent	100	0			100	0			100	0		
test vs. control		p-value	1*				1*				1*			
		difference in percentage	0%				0%				0%			
		95% confidence interval	N.D.				N.D.				N.D.			
bleeding index	test: 6-mm short implants	count	18	2	0	0	13	5	1	0	12	6	1	0
		percent	90	10	0	0	68.4	26.3	5.3	0	63.1	31.6	5.3	0
	control: 10-mm standard implants	count	19	1	0	0	11	5	4	0	10	7	3	0
		percent	95	5	0	0	55	25	20	0	50	35	15	0
test vs. control		p-value	1*				0.6488°				0.8517°			
		difference in percentage	+5% ± 21.5%				-13.4% ± 35.3%				-13.1% ± 36.0%			
		95% confidence interval	[-16.5% +26.5%]				[-48.7% +22.0%]				[-49.1 +22.9]			
probing depth (mm)	test: 6-mm short implants	median(iqr)	2.4(0.6)				2.5(0.6)				2.6(0.7)			
		min - max	1-4				2-4				2-5			
	control: 10-mm standard implants	median(iqr)	2.2(0.7)				2.6(0.8)				2.7(0.7)			
		min - max	1-4				2-5				2-5			
test vs. control		p-value	0.4407#				0.3466#				0.7680#			
		difference in percentage	+0.20±0.29				-0.10±0.33				-0.10±0.33			
		95% confidence interval	[-0.09 +0.49]				[-0.43 +0.23]				[-0.43 +0.23]			



4.) () : 3 1 (3 (1) 10 . 6 PD 2,2 2,7 (-0,10) 1 3) - ((p- (p- < < 0,01), °° 0,001), °°° (p- < 0,0001)

3. (DMBL = MBLPOSTOP - MBLBASELINE) (T1 T2, MBLs 12 (T1) 36) (10). , F = 4,2231, DF1 = 5, DF2 = 111, P- = 0,7907 = 0,0015; , F = 0,3480, DF1 = 3, DF2 = 74, P-

groups		times	implant placement (baseline)	12 months after loading (T1)	36 months after loading (T2)	marginal bone loss (baseline → T1)	marginal bone loss (baseline → T2)	p-value between marginal bone loss
test (n=19)	MBL (mm)	mean+std	+0.02+0.07	-0.96+0.27	-1.04+0.39	-0.96+0.28	-1.08+0.40	0.0002
	Shapiro-Wilk test	p-value	0.0004	0.0151	0.0103	0.0278	0.0169	
	Brown-Forsythe's test	variance	0.0036	0.0732	0.0936	0.0820	0.1004	
control (n=20)	MBL (mm)	mean(std)	+0.01+0.07	-0.83+0.30	-1.03+0.39	-0.85+0.28	-1.02+0.40	<0.0001
	Shapiro-Wilk test	p-value	0.0015	0.2627	0.1146	0.2055	0.0845	
	Brown-Forsythe's test	Variance	0.0058	0.0899	0.1346	0.0950	0.1382	
test vs. control		p-value	0.3679	0.1824	0.2516	0.1455	0.1849	
test - control	MBL (mm)	difference in means	+0.01±0.07	-0.13±0.29	-0.01±0.39	-0.11±0.28	-0.06±0.40	
test - control	MBL (mm)	95% confidence interval	[-0.03 +0.05]	[-0.21 +0.05]	[-0.17 +0.15]	[-0.23 +0.01]	[-0.22 +0.10]	

10 -1,08±0,40 6 12 36 3-
-1,02±0,40
-0,06±0,40
, 95% -0,22 +0,10 (= 0,1849).

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p 0,05

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(, 71%

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3,25. (2,5-2,7),

6-8,

30%

10%



(6) (10)
36 /

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