

File S1. Results following an intention-to-treat analysis

Distribution according to initial treatment allocation:

Analyzed: digital workflow (n=15), conventional workflow (n=12)

<i>3.3 Patient's perception (questionnaire)</i>			
Question		p-value	
(1) Preference of impression technique		0.715	
(2) Satisfaction with implant crown's esthetics		0.444	
(3) Perform future impressions digital		0.454	
(4) Nausea during conventional impressions (NRS)		0.643	
(5) Discomfort of clinical step(s) (from implant placement to insertion of the crown)		0.388	
(6) Importance of single posterior tooth gap rehabilitation (NRS)		0.811	
(7) Recommendation of implant-supported zirconia crowns to friends		0.444	
(8) Type of impression technique recommended to friends		0.108	

<i>3.4 Peri-implant health and technical complications</i>			
Parameter	Digital Workflow	Conventional Workflow	p-value
BoP (%)	-	-	1.000
Plaque (%)	-	-	1.000
PPD	2.68 ± 0.77 mm (range: 1.0-6.0)	2.52 ± 0.53 mm (range: 1.0-5.0)	0.990

<i>3.5 Marginal bone level</i>			
Parameter	Digital Workflow	Conventional Workflow	p-value
MBL (Ti)	-0.11 ± 0.26 mm	0.16 ± 0.43 mm	-
MBL (T_{Last})	-0.14 ± 0.3 mm	-0.21 ± 0.55 mm	-
MBL (T₁-T_{Last})	0.03 ± 0.14 mm	0.37 ± 0.59 mm	p=0.105
MBL (T₁-T_{Last})_{Digital Workflow}	-	-	p=0.365
MBL (T₁-T_{Last})_{Conv. Workflow}	-	-	p=0.09

<i>3.6 Functional Implant Prosthodontic Score (FIPS)</i>			
Paramter	Digital Workflow	Conventional Workflow	p-value
FIPS Score (mean)	8.4 ± 1.18 (range: 6-10)	7.75 ± 1.55 (range: 5-10)	p=0.315