

# Evaluating the influence of ambient light on scanning with an intra oral scanner

Journal of Prosthodontic Research

62, 324-329

DOI: [10.1016/j.jpor.2017.12.005](https://doi.org/10.1016/j.jpor.2017.12.005)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Workflow description of additively manufactured clear silicone indexes for injected provisional restorations: A novel technique. <i>Journal of Esthetic and Restorative Dentistry</i> , 2019, 31, 213-221.	3.8	22
2	Trueness of cone beam computed tomography versus intraoral scanner derived three-dimensional digital models: An ex vivo study. <i>Clinical Oral Implants Research</i> , 2019, 30, 498-504.	4.5	9
3	Accuracy and practicality of intraoral scanner in dentistry: A literature review. <i>Journal of Prosthodontic Research</i> , 2020, 64, 109-113.	2.8	142
4	Intraoral digital scans—Part 1: Influence of ambient scanning light conditions on the accuracy (trueness and precision) of different intraoral scanners. <i>Journal of Prosthetic Dentistry</i> , 2020, 124, 372-378.	2.8	158
5	Patient preference and operating time for digital versus conventional impressions: a network meta-analysis. <i>Australian Dental Journal</i> , 2020, 65, 58-69.	1.5	14
6	Influence of scan body design and digital implant analogs on implant replica position in additively manufactured casts. <i>Journal of Prosthetic Dentistry</i> , 2020, 124, 202-210.	2.8	29
7	Clinical Study of the Influence of Ambient Light Scanning Conditions on the Accuracy (Trueness and Precision) of Intraoral Scanners. <i>Journal of Prosthetic Dentistry</i> , 2020, 124, 372-378.	3.7	142
8	Intraoral digital scans: Part 2—Influence of ambient scanning light conditions on the mesh quality of different intraoral scanners. <i>Journal of Prosthetic Dentistry</i> , 2020, 124, 575-580.	2.8	57
9	Digital Intraoral Impression Methods: an Update on Accuracy. <i>Current Oral Health Reports</i> , 2020, 7, 361-375.	1.6	10
10	Personalized Dental Medicine: Impact of Intraoral and Extraoral Clinical Variables on the Precision and Efficiency of Intraoral Scanning. <i>Journal of Personalized Medicine</i> , 2020, 10, 92.	2.5	6
12	Effect of pulp chamber depth on the accuracy of endocrown scans made with different intraoral scanners versus an industrial scanner: An in vitro study. <i>Journal of Prosthetic Dentistry</i> , 2022, 127, 430-437.	2.8	13
13	Accuracy and Precision Evaluation of International Standard Spherical Model by Digital Dental Scanners. <i>Scanning</i> , 2020, 2020, 1-6.	1.5	5
14	Digitization of One-Piece Oral Implants: A Feasibility Study. <i>Materials</i> , 2020, 13, 1990.	2.9	2
15	Clinical Study of the Influence of Ambient Lighting Conditions on the Mesh Quality of an Intraoral Scanner. <i>Journal of Prosthodontics</i> , 2020, 29, 651-655.	3.7	17
16	In vitro precision evaluation of blue light scanning of abutment teeth made with impressions and dental stone casts according to different 3D superimposition methods. <i>Journal of Prosthodontic Research</i> , 2020, 64, 368-372.	2.8	2
17	Influence of operator experience, scanner type, and scan size on 3D scans. <i>Journal of Prosthetic Dentistry</i> , 2021, 125, 294-299.	2.8	74
18	Does ambient light affect the accuracy and scanning time of intraoral scans?. <i>Journal of Prosthetic Dentistry</i> , 2021, 125, 924-931.	2.8	30
19	Analysis of Different Illuminance of the Room Lighting Condition on the Accuracy (Trueness and Precision) of Intraoral Scanners. <i>Journal of Prosthetic Dentistry</i> , 2021, 125, 924-931.	3.7	72

#	ARTICLE	IF	CITATIONS
20	Effects of inter-implant distance on the accuracy of intraoral scanner: An <i>in vitro</i> study. Journal of Advanced Prosthodontics, 2021, 13, 107.	2.6	14
21	Fit of monolithic multilayer zirconia fixed partial dentures fabricated by conventional versus digital impression: a clinical and laboratory investigations. Clinical Oral Investigations, 2021, 25, 5363-5373.	3.0	8
22	Accuracy of six intraoral scanners for scanning complete-arch and 4-unit fixed partial dentures: An <i>in vitro</i> study. Journal of Prosthetic Dentistry, 2022, 128, 187-194.	2.8	23
23	Design of a Single-Tooth Model and Its Application in Oral Scan System Assessment. Scanning, 2021, 2021, 1-8.	1.5	2
24	Accuracy of a patient 3-dimensional virtual representation obtained from the superimposition of facial and intraoral scans guided by extraoral and intraoral scan body systems. Journal of Prosthetic Dentistry, 2022, 128, 984-993.	2.8	19
25	Influence of Liquid on the Tooth Surface on the Accuracy of Intraoral Scanners: An <i>In Vitro</i> Study. Journal of Prosthodontics, 2022, 31, 59-64.	3.7	42
26	Can Dental Office Lighting Intensity Conditions Influence the Accuracy of Intraoral Scanning?. Scanning, 2021, 2021, 1-10.	1.5	11
27	Bias Evaluation of the Accuracy of Two Extraoral Scanners and an Intraoral Scanner Based on ADA Standards. Scanning, 2021, 2021, 1-13.	1.5	5
28	Cost and effectiveness of 3-dimensionally printed model using three different printing layer parameters and two resins. Journal of Prosthetic Dentistry, 2021, , .	2.8	12
29	Complete Denture Fabrication Using Digitally Fabricated Copy Dentures for a Patient with Moderate Dementia. Case Reports in Dentistry, 2021, 2021, 1-7.	0.5	2
30	The accuracy of single implant scans with a healing abutment-scanpeg system compared with the scans of a scanbody and conventional impressions: An <i>in vitro</i> study. Journal of Dentistry, 2021, 110, 103684.	4.1	18
31	Accuracy of Different Head Movements of Intraoral Scanner in Full Arch of Both Maxilla and Mandible. Applied Sciences (Switzerland), 2021, 11, 8140.	2.5	8
32	Is There a Significant Difference in Accuracy of Four Intraoral Scanners for Short-Span Fixed Dental Prosthesis? A Comparative <i>In Vitro</i> Study. Applied Sciences (Switzerland), 2021, 11, 8280.	2.5	4
33	Reproducibility of linear measurements performed in dental models from 3D printing. Research, Society and Development, 2021, 10, e344101113370.	0.1	0
34	Evaluation of the Precision of Different Intraoral Scanner-Computer Aided Design (CAD) Software Combinations in Digital Dentistry. Medical Science Monitor, 2020, 26, e918529.	1.1	16
35	Factors that influence the accuracy of intraoral scanning of total edentulous arches rehabilitated with multiple implants: A systematic review. Journal of Prosthetic Dentistry, 2023, 129, 855-862.	2.8	15
36	Comparison of the accuracy of domestic dental intra-oral scanner(e-scanner) and model scanner. Journal of Korean Academy of Dental Technology, 2019, 41, 53-61.	0.2	1
37	Accuracy of the Intra- and Extra-Oral Scanning Technique for Transferring the Intaglio Surface of a Pontic of Provisional Restorations to Definitive Restorations. Materials, 2021, 14, 6489.	2.9	2

#	ARTICLE	IF	CITATIONS
38	Trueness of digital implant impressions based on implant angulation and scan body materials. <i>Scientific Reports</i> , 2021, 11, 21892.	3.3	9
39	New Caries Diagnostic Tools in Intraoral Scanners: A Comparative In Vitro Study to Established Methods in Permanent and Primary Teeth. <i>Sensors</i> , 2022, 22, 2156.	3.8	16
40	In Vivo Complete-Arch Implant Digital Impressions: Comparison of the Precision of Three Optical Impression Systems. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4300.	2.6	12
41	Influence of ambient light conditions on the accuracy and scanning time of seven intraoral scanners in complete-arch implant scans. <i>Journal of Dentistry</i> , 2022, 121, 104138.	4.1	34
42	Impact of different complete coverage onlay preparation designs and the intraoral scanner on the accuracy of digital scans. <i>Journal of Prosthetic Dentistry</i> , 2022, , .	2.8	7
43	Update on the Accuracy of Conventional and Digital Full-Arch Impressions of Partially Edentulous and Fully Dentate Jaws in Young and Elderly Subjects: A Clinical Trial. <i>Journal of Clinical Medicine</i> , 2022, 11, 3723.	2.4	9
44	The Effect of Scanning Strategy on Intraoral Scanner's Accuracy. <i>Dentistry Journal</i> , 2022, 10, 123.	2.3	6
45	Understanding the effect of scan spans on the accuracy of intraoral and desktop scanners. <i>Journal of Dentistry</i> , 2022, 124, 104220.	4.1	27
46	Effect of Ambient Lights on the Accuracy of a 3-Dimensional Optical Scanner for Face Scans: An In Vitro Study. <i>Journal of Healthcare Engineering</i> , 2022, 2022, 1-8.	1.9	4
47	An overview of three-dimensional imaging devices in dentistry. <i>Journal of Esthetic and Restorative Dentistry</i> , 2022, 34, 1179-1196.	3.8	6
48	In vivo trueness and precision of full-arch implant scans using intraoral scanners with three different acquisition protocols. <i>Journal of Dentistry</i> , 2023, 128, 104308.	4.1	13
49	How the geometry of the scan body affects the accuracy of digital impressions in implant supported prosthesis. In vitro study. <i>Journal of Clinical and Experimental Dentistry</i> , 2022, , e1008-e1014.	1.2	3
50	A guide for maximizing the accuracy of intraoral digital scans. Part 1: Operator factors. <i>Journal of Esthetic and Restorative Dentistry</i> , 2023, 35, 230-240.	3.8	37
51	Accuracy of intraoral scanning methods for maxillary Kennedy class I arch. <i>Journal of Dental Sciences</i> , 2023, 18, 747-753.	2.5	1
52	Intraoral scanner-based monitoring of tooth wear in young adults: 24-month results. <i>Clinical Oral Investigations</i> , 2023, 27, 2775-2785.	3.0	8
53	Accuracy and practicality of intraoral scanner in dentistry: A literature review. <i>Annals of Japan Prosthodontic Society</i> , 2023, 15, 64-71.	0.0	0
54	Clinical evaluation of marginal fit of uncemented CAD-CAM monolithic zirconia three-unit restorations in anterior areas, using scannable and conventional polyvinyl siloxane impression materials. <i>BMC Oral Health</i> , 2023, 23, .	2.3	0
55	Effect of finish line location and saliva contamination on the accuracy of crown finish line scanning. <i>Journal of Prosthodontics</i> , 2024, 33, 86-94.	3.7	3

#	ARTICLE	IF	CITATIONS
56	Influence of Operator Experience on Scanning Time and Accuracy with Two Different Intraoral Scanners - A Prospective Clinical Trial. Turkish Journal of Orthodontics, 2023, 36, 10-14.	1.1	2
57	Factors Affecting the Accuracy of Intraoral Scanners-A Systematic Review. Annals of Dental Specialty, 2023, 11, 40-52.	1.0	1
58	Accuracy assessment (trueness and precision) of a confocal based intraoral scanner under twelve different ambient lighting conditions. Journal of Dentistry, 2023, 134, 104530.	4.1	2
59	Assessment of guide fitting using an intra-oral scanner: An in vitro study. Journal of Dentistry, 2023, 135, 104590.	4.1	0
60	Determining optimal lighting in 3D scanner for hand foot static anthropometric measurements. Cogent Engineering, 2023, 10, .	2.2	0
61	Comparative analysis on efficiency and accuracy of parallel confocal microscopy and three-dimensional in motion video with triangulation technology-based intraoral scanner under influence of moisture and mouth opening â€” A crossover clinical trial. Journal of Indian Prosthodontic Society. The, 2023, 23, 234-243.	1.0	1
62	Evaluation of Intraoral Full-Arch Scan versus Conventional Preliminary Impression. Journal of Clinical Medicine, 2023, 12, 5508.	2.4	1
63	Comparison of 3D accuracy of three different digital intraoral scanners in full-arch implant impressions. Journal of Advanced Prosthodontics, 2023, 15, 179.	2.6	1
64	Influence of ambient light conditions on intraoral scanning: A systematic review. Journal of Prosthodontic Research, 2023, , .	2.8	0
65	Trueness of intraoral scanning for different tooth-size arch-length deficiencies. Journal of Dental Sciences, 2023, , .	2.5	0
66	Accuracy comparison of scan segmental sequential ranges with two intraoral scanners for maxilla and mandible. Journal of Dental Sciences, 2023, , .	2.5	0
67	Comparison of tissue displacement in edentulous arches among threeâ€”dimensional files obtained through different impressionâ€”making methods: A retrospective study. Journal of Prosthodontics, 2023, 32, 142-149.	3.7	0
68	The Impact of Adding Chitosan Nanoparticles on Biofilm Formation, Cytotoxicity, and Certain Physical and Mechanical Aspects of Directly Printed Orthodontic Clear Aligners. Nanomaterials, 2023, 13, 2649.	4.1	2
69	Digital transformation of removable dentures. Journal of Prosthodontic Research, 2023, 67, vii-viii.	2.8	1
70	Virtual occlusal records acquired by using intraoral scanners: A review of factors that influence maxilloâ€”mandibular relationship accuracy. Journal of Prosthodontics, 2023, 32, 192-207.	3.7	1
71	Impact of color temperature and illuminance of ambient light conditions on the accuracy of completeâ€”arch digital implant scans. Clinical Oral Implants Research, 0, , .	4.5	1
72	Effect of different preparation designs of minimally invasive occlusal onlays on the accuracy of different intraoral scanners: An in vitro study. Journal of Prosthodontics, 0, , .	3.7	0
73	Effect of scanning strategies on the accuracy of digital intraoral scanners: a meta-analysis of <i>in vitro</i> studies. Journal of Advanced Prosthodontics, 2023, 15, 315.	2.6	0

#	ARTICLE	IF	CITATIONS
74	Accuracy and Efficiency of Two Commercially Available Intraoral Scanners Under Different Room Lighting Conditions: A Crossover Clinical Trial. International Journal of Prosthodontics and Restorative Dentistry, 2023, 13, 201-209.	0.1	0
75	Chairside CAD/CAM Restorations. Dentistry, 0, , .	0.0	0