

Accuracy of a Computer-Aided Surgical Simulation Protocol: A Prospective Multicenter Study

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A Paradigm Shift in Orthognathic Surgery? A Comparison of Navigation, Computer-Aided Designed/Computer-Aided Manufactured Splints, and "Classic" Intermaxillary Splints to Surgical Transfer of Virtual Orthognathic Planning. <i>Journal of Oral and Maxillofacial Surgery</i> , 2013, 71, 2151.e1-2151.e21.	0.5	130
2	Three-dimensional cone-beam computed tomography-based virtual treatment planning and fabrication of a surgical splint for asymmetric patients: Surgery first approach. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2013, 144, 748-758.	0.8	75
3	A novel method of computer aided orthognathic surgery using individual CAD/CAM templates: a combination of osteotomy and repositioning guides. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2013, 51, e239-e244.	0.4	155
4	Did the Hand Drawn Cephalometric Tracing Technique for Orthognathic Surgery Planning say its Last Word? Objective and Subjective Evaluation. <i>Journal of Craniofacial Surgery</i> , 2013, 24, e320-e325.	0.3	2
6	A New Method of Surgical Navigation for Orthognathic Surgery. <i>Journal of Craniofacial Surgery</i> , 2014, 25, 406-411.	0.3	39
7	Use of the Matching Optimal Symmetry Plane Method in Planning Surgical Correction of Facial Asymmetry: A Preliminary Report of 20 Patients. <i>Journal of Oral and Maxillofacial Surgery</i> , 2014, 72, 1180.e1-1180.e13.	0.5	18
8	Virtual planning for craniomaxillofacial surgery " 7 Years of experience. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2014, 42, e289-e295.	0.7	43
9	Validation of Mandibular Genioplasty Using a Stereolithographic Surgical Guide: In Vitro Comparison With a Manual Measurement Method Based on Preoperative Surgical Simulation. <i>Journal of Oral and Maxillofacial Surgery</i> , 2014, 72, 2032-2042.	0.5	12
10	Clinical and radiographic evaluation of a computer-generated guiding device in bilateral sagittal split osteotomies. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2014, 42, e195-e203.	0.7	16
11	Computer-assisted orthognathic surgery for correction of facial asymmetry: results of a randomised controlled clinical trial. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2014, 52, 251-257.	0.4	61
12	Virtual planning in orthognathic surgery. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2014, 43, 957-965.	0.7	169
13	Integration accuracy of laser-scanned dental models into maxillofacial cone beam computed tomography images of different voxel sizes with different segmentation threshold settings. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2014, 117, 780-786.	0.2	31
14	Treacher Collins syndrome: A case study. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2014, 146, 665-672.	0.8	12
15	Three-Dimensional Virtual Surgery Accuracy for Free Fibula Mandibular Reconstruction: Planned Versus Actual Results. <i>Journal of Oral and Maxillofacial Surgery</i> , 2014, 72, 2601-2612.	0.5	130
16	Virtual Surgical Planning in Orthognathic Surgery. <i>Oral and Maxillofacial Surgery Clinics of North America</i> , 2014, 26, 459-473.	0.4	106
17	Mandibular Surgery. <i>Oral and Maxillofacial Surgery Clinics of North America</i> , 2014, 26, 487-521.	0.4	12
18	Correction of a severe facial asymmetry with computerized planning and with the use of a rapid prototyped surgical template: a case report/technique article. <i>Head & Face Medicine</i> , 2014, 10, 27.	0.8	16
19	Does computer-aided surgical simulation improve efficiency in bimaxillary orthognathic surgery?. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2014, 43, 572-576.	0.7	27

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20	Orthognathic Surgery and the Temporomandibular Joint Patient. <i>Oral and Maxillofacial Surgery Clinics of North America</i> , 2014, 26, 551-564.	0.4	16
21	Computer-Aided Trauma Simulation System With Haptic Feedback Is Easy and Fast for Oral-Maxillofacial Surgeons to Learn and Use. <i>Journal of Oral and Maxillofacial Surgery</i> , 2014, 72, 1984-1993.	0.5	20
22	Analysis of the Morphologic Differences of the Second Toe and Digits of the Hand, and Evaluation of Potential Surgical Intervention to Minimize the Differences Using Computer-Aided Design Technology. <i>Plastic and Reconstructive Surgery</i> , 2014, 134, 902e-912e.	0.7	4
23	Computer-Designed Splints for Surgical Transfer of 3D Orthognathic Planning. <i>Facial Plastic Surgery</i> , 2015, 31, 474-490.	0.5	19
24	Accuracy evaluation of CAD/CAM generated splints in orthognathic surgery: a cadaveric study. <i>Head & Face Medicine</i> , 2015, 11, 24.	0.8	51
25	Clinical Feasibility and Efficacy of Using Virtual Surgical Planning in Bimaxillary Orthognathic Surgery Without Intermediate Splint. <i>Journal of Craniofacial Surgery</i> , 2015, 26, 501-505.	0.3	21
26	Individualized Surgical Templates and Titanium Microplates for Le Fort I Osteotomy by Computer-Aided Design and Computer-Aided Manufacturing. <i>Journal of Craniofacial Surgery</i> , 2015, 26, 1877-1881.	0.3	11
27	Is Three-Dimensional Soft Tissue Prediction by Software Accurate?. <i>Journal of Craniofacial Surgery</i> , 2015, 26, e729-e733.	0.3	11
28	Integration of 3-dimensional surgical and orthodontic technologies with orthognathic surgery-first approach in the management of unilateral condylar hyperplasia. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2015, 148, 1054-1066.	0.8	35
29	Recording and Transferring Head Positions to the Virtual Head Using a Multicamera System and Laser Level. <i>Journal of Oral and Maxillofacial Surgery</i> , 2015, 73, 2039.e1-2039.e13.	0.5	5
30	Influence of setback and advancement osseous genioplasty on facial outcome: A computer-simulated study. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2015, 43, 2017-2025.	0.7	11
31	Algorithm for planning a double-jaw orthognathic surgery using a computer-aided surgical simulation (CASS) protocol. Part 1: planning sequence. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2015, 44, 1431-1440.	0.7	73
32	Algorithm for planning a double-jaw orthognathic surgery using a computer-aided surgical simulation (CASS) protocol. Part 2: three-dimensional cephalometry. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2015, 44, 1441-1450.	0.7	55
33	Genioplasty using a simple CAD/CAM (computer-aided design and computer-aided manufacturing) surgical guide. <i>Maxillofacial Plastic and Reconstructive Surgery</i> , 2015, 37, 44.	0.7	25
34	Computer-aided planning in orthognathic surgery—a systematic review. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2015, 44, 329-342.	0.7	71
35	Limitations of osseous genioplasty in relation to the displacement distance: a computer-based comparative study. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2015, 120, 670-678.	0.2	8
36	A Modified Method of Proximal Segment Alignment After Sagittal Split Ramus Osteotomy for Patients With Mandibular Asymmetry. <i>Journal of Oral and Maxillofacial Surgery</i> , 2015, 73, 2399-2407.	0.5	5
37	Virtual Surgical Planning for Orthognathic Surgery Using Digital Data Transfer and an Intraoral Fiducial Marker: The Charlotte Method. <i>Journal of Oral and Maxillofacial Surgery</i> , 2015, 73, 1143-1158.	0.5	64

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38	A novel method for the management of proximal segment using computer assisted simulation surgery: correct condyle head positioning and better proximal segment placement. <i>Maxillofacial Plastic and Reconstructive Surgery</i> , 2015, 37, 21.	0.7	23
39	Image-guided bone resection as a prospective alternative to cutting templatesâ€”A preliminary study. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2015, 43, 1021-1027.	0.7	22
40	Assessment of image quality in maxillofacial cone-beam computed tomography imaging. <i>Seminars in Orthodontics</i> , 2015, 21, 248-253.	0.8	10
41	Correction of facial asymmetry associated with vertical maxillary excess and mandibular prognathism by combined orthognathic surgery and guiding templates and splints fabricated by rapid prototyping technique. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2015, 44, 1330-1336.	0.7	18
42	Computer-aided design and computer-aided modeling (CAD/CAM) generated surgical splints, cutting guides and custom-made implants: Which indications in orthognathic surgery?. <i>Revue De Stomatologie De Chirurgie Maxillo-faciale Et De Chirurgie Orale</i> , 2015, 116, 343-349.	0.2	16
43	Treatment duration and factors associated with the surgery-first approach: a two-center study. <i>Progress in Orthodontics</i> , 2015, 16, 29.	1.3	33
44	Modification of Planned Postoperative Occlusion in Orthognathic Surgery, Based on Computer-Aided Design/Computer-Aided Manufacturingâ€”Engineered Preoperative Surgical Simulation. <i>Journal of Oral and Maxillofacial Surgery</i> , 2015, 73, 134-151.	0.5	16
45	Contemporary Correction of Dentofacial Anomalies: A Clinical Assessment. <i>Dentistry Journal</i> , 2016, 4, 11.	0.9	0
46	A New 3D Tool for Assessing the Accuracy of Bimaxillary Surgery: The OrthoGnathicAnalyser. <i>PLoS ONE</i> , 2016, 11, e0149625.	1.1	94
47	Computer-Assisted Orthognathic Surgery for Patients with Cleft Lip/Palate: From Traditional Planning to Three-Dimensional Surgical Simulation. <i>PLoS ONE</i> , 2016, 11, e0152014.	1.1	69
48	Haptic feedback improves surgeonsâ€™ user experience and fracture reduction in facial trauma simulation. <i>Journal of Rehabilitation Research and Development</i> , 2016, 53, 561-570.	1.6	17
50	A new classification of mandibular asymmetry and evaluation of surgical-orthodontic treatment outcomes in Class III malocclusion. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2016, 44, 676-683.	0.7	38
51	Evaluation of mandibular contour in patients with significant facial asymmetry. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2016, 45, 922-931.	0.7	18
52	Comparison of time required for traditional versus virtual orthognathic surgery treatment planning. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2016, 45, 1065-1069.	0.7	48
53	Medical Imaging and Augmented Reality. <i>Lecture Notes in Computer Science</i> , 2016, , .	1.0	8
54	A Novel Computer-Aided Surgical Simulation (CASS) System to Streamline Orthognathic Surgical Planning. <i>Lecture Notes in Computer Science</i> , 2016, , 3-14.	1.0	0
55	Applications of medical rapid prototyping assisted customized surgical guides in complex surgeries. <i>Rapid Prototyping Journal</i> , 2016, 22, 934-946.	1.6	27
56	Development and refinement of computer-assisted planning and execution system for use in faceâ€™jawâ€™teeth transplantation to improve skeletal and dento-occlusal outcomes. <i>Current Opinion in Organ Transplantation</i> , 2016, 21, 523-529.	0.8	7

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57	Accuracy of virtual surgical planning in two-jaw orthognathic surgery: comparison of planned and actual results. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2016, 122, 143-151.	0.2	108
58	How Many Oral and Maxillofacial Surgeons Does It Take to Perform Virtual Orthognathic Surgical Planning?. <i>Journal of Oral and Maxillofacial Surgery</i> , 2016, 74, 1807-1826.	0.5	15
59	Inverted L osteotomy: a new approach via intraoral access through the advances of virtual surgical planning and custom fixation. <i>Oral and Maxillofacial Surgery Cases</i> , 2016, 2, 1-9.	0.1	10
60	A new design of CAD/CAM surgical template system for two-piece narrowing genioplasty. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2016, 45, 560-566.	0.7	24
61	Surgical accuracy of three-dimensional virtual planning: a pilot study of bimaxillary orthognathic procedures including maxillary segmentation. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2016, 45, 8-18.	0.7	69
62	Surgical Splint Design Influences Transverse Expansion in Segmental Maxillary Osteotomies. <i>Journal of Oral and Maxillofacial Surgery</i> , 2017, 75, 1249-1256.	0.5	10
63	Surgical Navigation: A Systematic Review of Indications, Treatments, and Outcomes in Oral and Maxillofacial Surgery. <i>Journal of Oral and Maxillofacial Surgery</i> , 2017, 75, 1987-2005.	0.5	123
64	The Precise Repositioning Instrument for Genioplasty and a Three-Dimensional Printing Technique for Treatment of Complex Facial Asymmetry. <i>Aesthetic Plastic Surgery</i> , 2017, 41, 919-929.	0.5	12
65	Virtual Surgical Planning for Inferior Alveolar Nerve Reconstruction. <i>Journal of Oral and Maxillofacial Surgery</i> , 2017, 75, 2442-2448.	0.5	28
66	New approach to establish an object reference frame for dental arch in computer-aided surgical simulation. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2017, 46, 1193-1200.	0.7	4
67	Design, development and clinical validation of computer-aided surgical simulation system for streamlined orthognathic surgical planning. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2017, 12, 2129-2143.	1.7	46
68	Postoperative outcomes of two- and three-dimensional planning in orthognathic surgery: A comparative study. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2017, 70, 1101-1111.	0.5	49
69	A Systematic Review to Uncover a Universal Protocol for Accuracy Assessment of 3-Dimensional Virtually Planned Orthognathic Surgery. <i>Journal of Oral and Maxillofacial Surgery</i> , 2017, 75, 2430-2440.	0.5	64
70	A new approach of splint-less orthognathic surgery using a personalized orthognathic surgical guide system: A preliminary study. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2017, 46, 1298-1305.	0.7	68
71	A clinically validated prediction method for facial soft-tissue changes following double-jaw surgery. <i>Medical Physics</i> , 2017, 44, 4252-4261.	1.6	26
72	The accuracy of maxillary positioning using digital model planning and 3D printed wafers in bimaxillary orthognathic surgery. <i>Journal of Orthodontics</i> , 2017, 44, 256-267.	0.4	19
73	Force and deformation stresses in customized and non-customized plates during simulation of advancement genioplasty. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2017, 45, 1820-1827.	0.7	6
74	Achievability of 3D planned bimaxillary osteotomies: maxilla-first versus mandible-first surgery. <i>Scientific Reports</i> , 2017, 7, 9314.	1.6	24

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75	Surgical Correction of Maxillofacial Skeletal Deformities. Journal of Oral and Maxillofacial Surgery, 2017, 75, e94-e125.	0.5	7
76	Application of A Novel Three-dimensional Printing Genioplasty Template System and Its Clinical Validation: A Control Study. Scientific Reports, 2017, 7, 5431.	1.6	28
77	Treatment outcome in orthognathic surgeryâ€”A prospective randomized blinded case-controlled comparison of planning accuracy in computer-assisted two- and three-dimensional planning techniques (part II). Journal of Cranio-Maxillo-Facial Surgery, 2017, 45, 1419-1424.	0.7	36
78	Accuracy of virtual surgical planning of orthognathic surgery with aid of CAD/CAM fabricated surgical splintâ€”A novel 3D analyzing algorithm. Journal of Cranio-Maxillo-Facial Surgery, 2017, 45, 1962-1970.	0.7	61
79	Clinical accuracy of waferless maxillary positioning using customized surgical guides and patient specific osteosynthesis in bimaxillary orthognathic surgery. Journal of Cranio-Maxillo-Facial Surgery, 2017, 45, 1578-1585.	0.7	130
80	Achieved chin position after genioplasty follows the planned horizontal change better than the planned vertical change. Journal of Cranio-Maxillo-Facial Surgery, 2017, 45, 1287-1292.	0.7	0
81	The Application of 3D Printing Technology for Simultaneous Orthognathic Surgery and Mandibular Contour Osteoplasty in the Treatment of Craniofacial Deformities. Aesthetic Plastic Surgery, 2017, 41, 1413-1424.	0.5	31
82	Computer-assisted versus traditional freehand technique in fibular free flap mandibular reconstruction: a morphological comparative study. European Archives of Oto-Rhino-Laryngology, 2017, 274, 517-526.	0.8	55
83	Advances in 3D Printing & Additive Manufacturing Technologies. , 2017, , .		70
85	â€œModified Oblique Le Fort III Osteotomyâ€•New Concepts. Journal of Maxillofacial and Oral Surgery, 2017, 16, 22-42.	0.6	6
86	Improved Temporomandibular Joint Position After 3-Dimensional Planned Mandibular Reconstruction. Journal of Oral and Maxillofacial Surgery, 2017, 75, 197-206.	0.5	28
87	Correlation between Condylar Fracture Pattern after Parasymphyseal Impact and Condyle Morphological Features. Chinese Medical Journal, 2017, 130, 420-427.	0.9	9
88	Does two-dimensional vs. three-dimensional surgical simulation produce better surgical outcomes among patients with class III facial asymmetry?. International Journal of Oral and Maxillofacial Surgery, 2018, 47, 1022-1031.	0.7	25
89	Virtual Surgical Planning: The Pearls and Pitfalls. Plastic and Reconstructive Surgery - Global Open, 2018, 6, e1443.	0.3	70
90	Peri-operative Management of the Orthognathic Surgery Patient. , 2018, , 501-514.		1
91	Treatment outcome in orthognathic surgery â€” A prospective comparison of accuracy in computer assisted two and three-dimensional prediction techniques. Journal of Cranio-Maxillo-Facial Surgery, 2018, 46, 1867-1874.	0.7	25
92	Reaching the vertical versus horizontal target position in multi-segmental Le Fort I osteotomy is more difficult, but yields comparably stable results to one-segment osteotomy. International Journal of Oral and Maxillofacial Surgery, 2018, 47, 456-464.	0.7	10
93	Comparison of the accuracy of maxillary position between conventional model surgery and virtual surgical planning. International Journal of Oral and Maxillofacial Surgery, 2018, 47, 160-166.	0.7	76

#	ARTICLE	IF	CITATIONS
94	Enhanced Surgical Outcomes in Patients With Skeletal Class III Facial Asymmetry by 3-Dimensional Surgical Simulation. <i>Journal of Oral and Maxillofacial Surgery</i> , 2018, 76, 1073-1083.	0.5	25
95	An eFTD-VP framework for efficiently generating patient-specific anatomically detailed facial soft tissue FE mesh for craniomaxillofacial surgery simulation. <i>Biomechanics and Modeling in Mechanobiology</i> , 2018, 17, 387-402.	1.4	3
96	Patient-specific mental rehearsal with interactive visual aids: a path worth exploring?. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2018, 32, 1165-1173.	1.3	7
97	A 3-Dimensional Approach for Analysis in Orthognathic Surgery Using Free Software for Voxel-Based Alignment and Semiautomatic Measurement. <i>Journal of Oral and Maxillofacial Surgery</i> , 2018, 76, 1316-1326.	0.5	30
98	Accuracy of computer-assisted orthognathic surgery. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2018, 46, 293-298.	0.7	60
99	Is patient-specific pre-operative preparation feasible in a clinical environment? A systematic review and meta-analysis. <i>Computer Assisted Surgery</i> , 2018, 23, 57-68.	0.6	7
100	3-H in 3-D: Envisaging Beyond the Current Hype, the Hope and Hurdles of Three-Dimensional “Virtual Planning” in Orthognathic Surgery. <i>International Journal of Morphology</i> , 2018, 36, 14-21.	0.1	1
101	Accuracy of Three-Dimensional Planning in Surgery-First Orthognathic Surgery: Planning Versus Outcome. <i>Journal of Clinical Medicine Research</i> , 2018, 10, 429-436.	0.6	28
102	Epithelioid Hemangioma of the Face. <i>Journal of Craniofacial Surgery</i> , 2018, 29, e736-e739.	0.3	3
103	A History of Orthognathic Surgery in North America. <i>Journal of Oral and Maxillofacial Surgery</i> , 2018, 76, 2466-2481.	0.5	42
104	Accuracy of a CAD/CAM surgical template for mandibular distraction: a preliminary study. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2018, 56, 814-819.	0.4	14
105	Advantages of performing mentoplasties with customized guides and plates generated with 3D planning and printing. Results from a series of 23 cases. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2018, 46, 2088-2095.	0.7	12
106	Toward a higher accuracy in orthognathic surgery by using intraoperative computer navigation, 3D surgical guides, and/or customized osteosynthesis plates: A systematic review. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2018, 46, 2108-2119.	0.7	46
107	Surgery-first orthognathic surgery with computer assisted three-dimensional planning. <i>Seminars in Orthodontics</i> , 2018, 24, 430-442.	0.8	2
108	Treatment outcomes and patient-reported quality of life after orthognathic surgery with computer-assisted 2- or 3-dimensional planning: A randomized double-blind active-controlled clinical trial. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2018, 153, 786-796.	0.8	20
109	Evaluation of the fit of metal copings fabricated using stereolithography. <i>Journal of Prosthetic Dentistry</i> , 2018, 120, 693-698.	1.1	16
110	Surgical Accuracy in Inferior Maxillary Reposition. <i>Journal of Oral and Maxillofacial Surgery</i> , 2018, 76, 2618-2624.	0.5	16
111	Surgical guide and CAD/CAM prebent titanium plate for sagittal split ramus osteotomy in the correction of mandibular prognathism. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2018, 56, 586-593.	0.4	15

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112	Refinement of the approach in virtual surgical planning of osseous genioplasty. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2018, 56, 551-553.	0.4	4
113	Patient-Specific Printed Plates Improve Surgical Accuracy In Vitro. <i>Journal of Oral and Maxillofacial Surgery</i> , 2018, 76, 2647.e1-2647.e9.	0.5	15
114	Virtual Surgical Planning Assisted Management for Three-Dimensional Dentomaxillofacial Deformities. <i>Journal of Craniofacial Surgery</i> , 2018, 29, e732-e736.	0.3	1
115	The Digital Thread for Personalized Craniomaxillofacial Surgery. , 2018, , 23-45.		2
116	Optimized 3D virtually planned intermediate splints for bimaxillary orthognathic surgery: A clinical validation study in 20 patients. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2018, 46, 1441-1447.	0.7	21
117	3D scanning applications in medical field: A literature-based review. <i>Clinical Epidemiology and Global Health</i> , 2019, 7, 199-210.	0.9	146
118	Aesthetic Orthognathic Surgery. , 2019, , 169-183.		1
119	Three-dimensional treatment planning for maxillary and mandibular segmental surgery for an adult Class III: Where old meets new. <i>Angle Orthodontist</i> , 2019, 89, 138-148.	1.1	6
120	An application of virtual surgical planning in genial tubercle advancement using the mandibular trapezoid osteotomy. <i>Oral and Maxillofacial Surgery Cases</i> , 2019, 5, 100110.	0.1	2
121	CAD/CAM splint and surgical navigation allows accurate maxillary segment positioning in Le Fort I osteotomy. <i>Heliyon</i> , 2019, 5, e02123.	1.4	13
122	The accuracy of three-dimensional rapid prototyped surgical template guided anterior segmental osteotomy. <i>Medicina Oral, Patologia Oral Y Cirugia Bucal</i> , 2019, 24, 0-0.	0.7	1
123	Evaluation of the postoperative stability of a counter-clockwise rotation technique for skeletal class II patients by using a novel three-dimensional position-posture method. <i>Scientific Reports</i> , 2019, 9, 13196.	1.6	6
124	Accuracy of modified CAD/CAM generated wafer for orthognathic surgery. <i>PLoS ONE</i> , 2019, 14, e0216945.	1.1	8
125	Comparison of condylar position in orthognathic surgery cases treated with virtual surgical planning vs. conventional model planning. <i>Orthodontics and Craniofacial Research</i> , 2019, 22, 142-148.	1.2	11
126	Outcome of photographic evaluation of facial appearance in orthognathic surgery: how does it correlate with planning of treatment and patient-reported outcome?. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2019, 57, 345-351.	0.4	5
127	Does Mandible-First Sequencing Increase Maxillary Surgical Accuracy in Bimaxillary Procedures?. <i>Journal of Oral and Maxillofacial Surgery</i> , 2019, 77, 1882-1893.	0.5	19
128	Cephalometric studies of the mandible, its masticatory muscles and vasculature of growing Göttingen Minipigs: A comparative anatomical study to refine experimental mandibular surgery. <i>PLoS ONE</i> , 2019, 14, e0215875.	1.1	4
129	Current status of the surgery-first approach (part I): concepts and orthodontic protocols. <i>Maxillofacial Plastic and Reconstructive Surgery</i> , 2019, 41, 10.	0.7	36

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130	Accuracy of patient-specific implants and additive-manufactured surgical splints in orthognathic surgery – A three-dimensional retrospective study. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2019, 47, 847-853.	0.7	39
131	Evaluation of virtual surgical plan applicability in 3D simulation-guided two-jaw surgery. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2019, 47, 860-866.	0.7	14
132	Comparison of the Planned Versus Actual Jaw Movement Using Splint-Based Virtual Surgical Planning: How Close Are We at Achieving the Planned Outcomes?. <i>Journal of Oral and Maxillofacial Surgery</i> , 2019, 77, 1675-1680.	0.5	16
133	A comparison of cost-effectiveness of computer-assisted 2-and 3-dimensional planning techniques in orthognathic surgery. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2019, 57, 352-358.	0.4	17
134	A reversed approach for simultaneous mandibular symphyseal split osteotomy and genioplasty. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2019, 48, 1209-1212.	0.7	1
135	Computer-assisted osteotomy guides and pre-bent titanium plates improve the planning for correction of facial asymmetry. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2019, 48, 1043-1050.	0.7	11
136	Evaluation of the Accuracy of Virtual Planning in Orthognathic Surgery: A Morphometric Study. <i>Journal of Craniofacial Surgery</i> , 2019, 30, 1214-1220.	0.3	21
137	The Drilling Guiding Templates and Pre-Bent Titanium Plates Improves the Operation Accuracy of Orthognathic Surgery With Computer-Aided Design and Computer-Aided Manufacturing Occlusal Splints for Patients With Facial Asymmetry. <i>Journal of Craniofacial Surgery</i> , 2019, 30, 2144-2148.	0.3	7
138	Digital Scanning in Modern Orthodontics. <i>Current Oral Health Reports</i> , 2019, 6, 269-276.	0.5	6
139	Virtual Surgical Planning Assisted Management for Cleft-Related Maxillary Hypoplasia. <i>Journal of Craniofacial Surgery</i> , 2019, 30, 1745-1749.	0.3	7
140	Three-Dimensional Outcome Assessments of Cleft Lip and Palate Patients Undergoing Maxillary Advancement. <i>Plastic and Reconstructive Surgery</i> , 2019, 143, 1255e-1265e.	0.7	10
141	Surgery-First Orthognathic Surgery for Severe Facial Asymmetry Combined With Mandibular Distraction Osteogenesis Using a Three-Dimensional Internal Distractor. <i>Journal of Craniofacial Surgery</i> , 2019, 30, 39-46.	0.3	11
142	Traditional face-bow transfer versus three-dimensional virtual reconstruction in orthognathic surgery. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2019, 48, 347-354.	0.7	26
143	The accuracy of virtual-surgical-planning-assisted treatment of hemifacial microsomia in adult patients: distraction osteogenesis vs. orthognathic surgery. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2019, 48, 341-346.	0.7	14
144	Morphometric Characterization of Asymmetric Mandibles Due to Condylar Hyperactivity. <i>Journal of Oral and Maxillofacial Surgery</i> , 2019, 77, 1056-1067.	0.5	1
145	Blood loss and operative time associated with orthognathic surgery utilizing a novel navigation system in cleft lip and palate patients. <i>Journal of the Formosan Medical Association</i> , 2019, 118, 588-599.	0.8	10
146	Splintless surgery using patient-specific osteosynthesis in Le Fort I osteotomies: a randomized controlled multi-centre trial. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2020, 49, 454-460.	0.7	17
147	Current Orthognathic Practice in India: Do We Need to Change?. <i>Journal of Maxillofacial and Oral Surgery</i> , 2020, 19, 1-11.	0.6	0

#	ARTICLE	IF	CITATIONS
148	Precision of orthognathic digital plan transfer using patient-specific cutting guides and osteosynthesis versus mixed analogueâ€“digitally planned surgery: a randomized controlled clinical trial. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2020, 49, 62-68.	0.7	31
149	How accurate is digital-assisted Le Fort I maxillary osteotomy? A three-dimensional perspective. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2020, 49, 69-74.	0.7	8
150	The use of patient-specific implants in genioplasty and its clinical accuracy: a preliminary study. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2020, 49, 461-465.	0.7	9
151	Accuracy of virtual surgical planning-assisted management for maxillary hypoplasia in adult patients with cleft lip and palate. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2020, 73, 134-140.	0.5	16
152	Accuracy of a new custom-made bone-supported osteotomy and repositioning guide system for reconstruction of the mandibular ramus using costochondral grafts: a preliminary study. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2020, 58, 51-56.	0.4	2
153	Does a learning curve exist for accuracy in three-dimensional planning for maxillary positioning in bimaxillary orthognathic surgery?. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2020, 49, 787-793.	0.7	12
154	Inferior Maxillary Repositioning Remains StableÂ1ÂYear After Surgery but Entails a High Risk of Osteosynthesis Failure. <i>Journal of Oral and Maxillofacial Surgery</i> , 2020, 78, 118-126.	0.5	3
155	Accuracy assessment of computer-aided three-dimensional simulation and navigation in orthognathic surgery (CASNOS). <i>Journal of the Formosan Medical Association</i> , 2020, 119, 701-711.	0.8	16
156	Clinical Evaluation of Digital Dental Articulation for One-Piece Maxillary Surgery. <i>Journal of Oral and Maxillofacial Surgery</i> , 2020, 78, 799-805.	0.5	6
157	A Modified Method Using Double Computed Tomography Scan Procedure to Maintain Mandibular Width in Mandibular Reconstruction. <i>Journal of Craniofacial Surgery</i> , 2020, 31, e126-e130.	0.3	1
158	Landmark-Based Versus Voxel-Based 3-Dimensional Quantitative Analysis of Bimaxillary Osteotomies: A Comparative Study. <i>Journal of Oral and Maxillofacial Surgery</i> , 2020, 78, 468.e1-468.e10.	0.5	15
159	Three-dimensional accuracy of virtual planning in orthognathic surgery. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2020, 158, 674-683.	0.8	18
160	New protocol for in-house management of computer assisted orthognathic surgery. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2020, 58, e265-e271.	0.4	4
161	Value-Based Analysis of Virtual Versus Traditional Surgical Planning for Orthognathic Surgery. <i>Journal of Craniofacial Surgery</i> , 2020, 31, 1238-1242.	0.3	10
162	The Wearable VOSTARS System for Augmented Reality-Guided Surgery: Preclinical Phantom Evaluation for High-Precision Maxillofacial Tasks. <i>Journal of Clinical Medicine</i> , 2020, 9, 3562.	1.0	31
163	Accuracy of virtual planning in orthognathic surgery: a systematic review. <i>Head & Face Medicine</i> , 2020, 16, 34.	0.8	95
164	European Guideline Craniofacial Microsomia. <i>Journal of Craniofacial Surgery</i> , 2020, 31, 2385-2484.	0.3	17
165	A novel method for 3D face symmetry reference plane based on weighted Procrustes analysis algorithm. <i>BMC Oral Health</i> , 2020, 20, 319.	0.8	9

#	ARTICLE	IF	CITATIONS
166	Sequential application of novel guiding plate system for accurate transoral mandibular reconstruction. <i>Oral Oncology</i> , 2020, 111, 104846.	0.8	6
167	Clinical Accuracy of 3D-Planned Maxillary Positioning Using CAD/CAM-Generated Splints in Combination With Temporary Mandibular Fixation in Bimaxillary Orthognathic Surgery. <i>Cranio-maxillofacial Trauma & Reconstruction</i> , 2020, 13, 290-299.	0.6	7
168	A new model of customized maxillary guide for orthognathic surgery: Precision analysis. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2020, 48, 1119-1125.	0.7	12
169	Effects of Steam Sterilization on 3D Printed Biocompatible Resin Materials for Surgical Guides – An Accuracy Assessment Study. <i>Journal of Clinical Medicine</i> , 2020, 9, 1506.	1.0	52
170	Is there a difference in judgement of facial appearance depending on ethnic background? Photographic evaluation of facial appearance in orthognathic surgery. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2020, 58, 812-818.	0.4	0
171	Do patient-specific cutting guides and plates improve the accuracy of maxillary repositioning in hemifacial microsomia?. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2020, 58, 590-596.	0.4	9
172	The Accuracy of Maxillary Position Using a Computer-Aided Design/Computer-Aided Manufacturing Intermediate Splint Derived Via Surgical Simulation in Bimaxillary Orthognathic Surgery. <i>Journal of Craniofacial Surgery</i> , 2020, 31, 976-979.	0.3	4
173	Antibiofilm coatings through atmospheric pressure plasma for 3D printed surgical instruments. <i>Surface and Coatings Technology</i> , 2020, 399, 126163.	2.2	14
174	Accuracy of laser-melted patient-specific implants in genioplasty – A three-dimensional retrospective study. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2020, 48, 653-660.	0.7	14
175	An automatic approach to establish clinically desired final dental occlusion for one-piece maxillary orthognathic surgery. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2020, 15, 1763-1773.	1.7	14
176	Accuracy of 3D virtual surgical planning for maxillary positioning and orientation in orthognathic surgery. <i>Orthodontics and Craniofacial Research</i> , 2020, 23, 229-236.	1.2	33
177	Estimating Reference Shape Model for Personalized Surgical Reconstruction of Cranio-maxillofacial Defects. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 362-373.	2.5	10
178	A Meta-analysis and Systematic Review Comparing the Effectiveness of Traditional and Virtual Surgical Planning for Orthognathic Surgery: Based on Randomized Clinical Trials. <i>Journal of Oral and Maxillofacial Surgery</i> , 2021, 79, 471.e1-471.e19.	0.5	54
179	Design and manufacture of dental-supported surgical guide for genioplasty. <i>Journal of Dental Sciences</i> , 2021, 16, 417-423.	1.2	7
180	Accuracy of maxillary repositioning surgery using CAD/CAM customized surgical guides and fixation plates. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2021, 50, 494-500.	0.7	19
181	A comparative study of the accuracy between two computer-aided surgical simulation methods in virtual surgical planning. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2021, 49, 84-92.	0.7	10
182	Computer-Assisted Orthognathic Surgery from Prediction to Navigation. , 2021, , 703-726.		0
183	Ultrafine Orthognathic Surgical Treatment Planning. , 2021, , 667-685.		0

#	ARTICLE	IF	CITATIONS
184	Virtual Surgical Planning for Osseous Surgery to Manage Obstructive Sleep Apnea. , 2021, , 545-561.		0
185	Accuracy of orthognathic surgery using 3D computer-assisted surgical simulation. Australasian Orthodontic Journal, 2018, 34, 17-26.	0.3	0
186	Virtual Surgical Planning and Digital Workflow for Concomitant Temporomandibular Replacement and Maxillomandibular Advancement Surgery. , 2021, , 467-496.		0
187	Virtual Surgical Planning and the "In-House" Rapid Prototyping Technique in Maxillofacial Surgery: The Current Situation and Future Perspectives. Applied Sciences (Switzerland), 2021, 11, 1009.	1.3	8
188	Digital Planning in Orthognathic Surgery. , 2021, , 267-282.		0
189	Validation of the OrthoGnathicAnalyser 2.0's 3D accuracy assessment tool for bimaxillary surgery and genioplasty. PLoS ONE, 2021, 16, e0246196.	1.1	17
190	DLLNet: An Attention-Based Deep Learning Method for Dental Landmark Localization on High-Resolution 3D Digital Dental Models. Lecture Notes in Computer Science, 2021, 12904, 478-487.	1.0	6
191	Efficient in-house 3D printing of an orthognathic splint for single-jaw cases. International Journal of Oral and Maxillofacial Surgery, 2021, 50, 1075-1077.	0.7	8
192	Application of Virtual Planning for Three-Dimensional Guided Maxillofacial Reconstruction of Pruzansky-Kaban III Hemifacial Microsomia Using Custom Made Fixation Plate. Journal of Craniofacial Surgery, 2021, 32, 896-901.	0.3	4
193	Analysis of Actual Versus Predicated Intracranial Volume Changes for Distraction Osteogenesis Using Virtual Surgical Planning in Patients With Craniosynostosis. Annals of Plastic Surgery, 2021, 86, S374-S378.	0.5	0
194	Randomized Controlled Clinical Trial to Assess the Utility of Computer-Aided Intraoperative Navigation in Bimaxillary Orthognathic Surgery. Journal of Craniofacial Surgery, 2021, 32, 2205-2209.	0.3	5
195	Conformity of the Virtual Surgical Plan to the Actual Result Comparing Five Craniofacial Procedure Types. Plastic and Reconstructive Surgery, 2021, 147, 915-924.	0.7	8
196	Accuracy of mandibular proximal segment position using virtual surgical planning and custom osteosynthesis plates. International Journal of Oral and Maxillofacial Surgery, 2022, 51, 219-225.	0.7	5
197	Three dimensional assessment of segmented Le Fort I osteotomy planning and follow-up: A validation study. Journal of Dentistry, 2021, 111, 103707.	1.7	10
198	Effectiveness Assessment of CAD Simulation in Complex Orthopedic Surgery Practices. Symmetry, 2021, 13, 850.	1.1	1
199	Virtually-Planned Orthognathic Surgery Achieves an Accurate Condylar Position. Journal of Oral and Maxillofacial Surgery, 2021, 79, 1146.e1-1146.e25.	0.5	3
200	Tratamento ortocirúrgico de paciente portador de deformidade dentofacial classe III: Relato de caso. Research, Society and Development, 2021, 10, e18510514451.	0.0	0
201	Comparison of time and cost between conventional surgical planning and virtual surgical planning in orthognathic surgery in Korea. Maxillofacial Plastic and Reconstructive Surgery, 2021, 43, 18.	0.7	7

#	ARTICLE	IF	CITATIONS
202	Orthognathic Surgery: A Bibliometric Analysis of the Top 100 Cited Articles. <i>Journal of Oral and Maxillofacial Surgery</i> , 2021, 79, 2339-2349.	0.5	21
203	Correction of Severe Facial Asymmetry in Patients With Unilateral Craniofacial Microsomia Using Computer-Aided Design/Computer-Aided Manufacturing Technology: An Evaluation of Postsurgical Results. <i>Journal of Craniofacial Surgery</i> , 2021, 32, 2416-2420.	0.3	0
204	Predictability of maxillary positioning: a 3D comparison of virtual and conventional orthognathic surgery planning. <i>Head & Face Medicine</i> , 2021, 17, 27.	0.8	5
205	Additive 3-dimensional printing as a novel tool for pre- and postsurgical evaluation and patient education. <i>Journal of the American Dental Association</i> , 2021, 152, 567-575.e5.	0.7	1
206	How accurate are patient-specific osteotomy guides and fixation plates in orthognathic surgery?. <i>Advances in Oral and Maxillofacial Surgery</i> , 2021, 3, 100124.	0.1	1
207	Unsupervised Learning of Reference Bony Shapes for Orthognathic Surgical Planning with a Surface Deformation Network. <i>Medical Physics</i> , 2021, 48, 7735.	1.6	6
208	Three-Dimensional Outcome Assessments of Surgical Correction in Cleft and Noncleft Patients with Class III Skeletal Relation: A Case-Control Study. <i>BioMed Research International</i> , 2021, 2021, 1-7.	0.9	2
209	A novel incremental simulation of facial changes following orthognathic surgery using FEM with realistic lip sliding effect. <i>Medical Image Analysis</i> , 2021, 72, 102095.	7.0	7
210	Computed tomography imaging superimposition protocols to assess outcomes in orthognathic surgery: a systematic review with comprehensive recommendations. <i>Dentomaxillofacial Radiology</i> , 2022, 51, 20210340.	1.3	10
211	Accurate transfer of bimaxillary orthognathic surgical plans using computer-aided intraoperative navigation. <i>Korean Journal of Orthodontics</i> , 2021, 51, 321-328.	0.8	3
212	The Use of Surgical Splints in Orthognathic Surgery: A Bibliometric Study. <i>Indian Journal of Plastic Surgery</i> , 2022, 55, 026-030.	0.2	2
213	Comparison of actual amount of movement with surgical treatment objective in the orthognathic maxillary repositioning. <i>Journal of Stomatology, Oral and Maxillofacial Surgery</i> , 2021, , .	0.5	0
214	Evaluation of the accuracy of virtual planning in bimaxillary orthognathic surgery: a systematic review. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2022, 60, 412-421.	0.4	18
215	Virtual planning and CAD/CAM-assisted distraction for maxillary hypoplasia in cleft lip and palate patients: Accuracy evaluation and clinical outcome. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2021, 49, 799-808.	0.7	4
216	Maxillary repositioning using a CAD/CAM wafer and an intraoperative navigation system for bimaxillary orthognathic surgery using segmental Le Fort I osteotomy: A pilot study. <i>Journal of Oral and Maxillofacial Surgery, Medicine, and Pathology</i> , 2021, 33, 581-586.	0.2	3
217	Innovations in Orthognathic Surgery. , 2021, , 433-441.		0
219	Ultrasound-Guided Navigation System for Orthognathic Surgery. <i>Lecture Notes in Computer Science</i> , 2015, , 1-10.	1.0	1
220	FEM Simulation with Realistic Sliding Effect to Improve Facial-Soft-Tissue-Change Prediction Accuracy for Orthognathic Surgery. <i>Lecture Notes in Computer Science</i> , 2016, , 27-37.	1.0	1

#	ARTICLE	IF	CITATIONS
221	Conformity of the Actual to the Planned Result in Orthognathic Surgery. Plastic and Reconstructive Surgery, 2019, 144, 89e-97e.	0.7	26
222	Accuracy of Mandible-First versus Maxilla-First Approach and of Thick versus Thin Splints for Skeletal Position after Two-Jaw Orthognathic Surgery. Plastic and Reconstructive Surgery, 2021, 147, 421-431.	0.7	12
223	Comparison of time and cost between conventional surgical planning and virtual surgical planning in orthognathic surgery in Korea. Maxillofacial Plastic and Reconstructive Surgery, 2019, 41, 35.	0.7	25
224	Facial asymmetry correction: From conventional orthognathic treatment to surgery-first approach. Journal of Dental Research, Dental Clinics, Dental Prospects, 2019, 13, 311-320.	0.4	8
225	Three-dimensional surgical accuracy between virtually planned and actual surgical movements of the maxilla in two-jaw orthognathic surgery. Korean Journal of Orthodontics, 2020, 50, 293-303.	0.8	13
226	Clinical study on the minimally invasive-guided genioplasty using piezosurgery and 3d printed surgical guide. Annals of Maxillofacial Surgery, 2020, 10, 91.	0.2	4
227	Genioplasty with surgical guide using 3D-printing technology: A systematic review. Journal of Clinical and Experimental Dentistry, 2020, 12, e85-e92.	0.5	12
228	Three-dimensional analysis of condylar remodeling and skeletal relapse following LeFort-I osteotomy: A one-year follow-up bicenter study. Journal of Cranio-Maxillo-Facial Surgery, 2022, 50, 40-45.	0.7	6
229	Virtual 3D planning and prediction accuracy in two bimaxillary face transplantations in Helsinki,. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2021, , .	0.5	2
230	Evaluation of ortogonblender software bone movement tools in bimaxillary orthognathic surgeries performed in dolphin software. Journal of Stomatology, Oral and Maxillofacial Surgery, 2021, , .	0.5	0
231	Accuracy of virtual surgical planning in segmental osteotomy in combination with bimaxillary orthognathic surgery with surgery first approach. BMC Oral Health, 2021, 21, 529.	0.8	10
232	3D Virtual Evaluation of Treatment Outcome of Orthognathic Surgery. , 2017, , 329-365.		0
233	Orthognathic Examination and Treatment Planning. , 2019, , 479-512.		0
234	The Using Virtual Computer-Assisted Planning in Orthognathic Surgery: A Systematic Review and Meta-Analysis. Pesquisa Brasileira Em Odontopediatria E Clinica Integrada, 0, 20, .	0.7	0
235	Genioplasty with surgical guide using 3D-printing technology: A systematic review. Journal of Clinical and Experimental Dentistry, 2020, 12, e85-e92.	0.5	7
236	Evolving Management of Dentofacial Deformities with Digital Planning and Patient-Specific Fixation. Atlas of the Oral and Maxillofacial Surgery Clinics of North America, 2020, 28, 59-71.	0.4	5
237	Accuracy of Intentional Change of Frontal Ramal Inclination From Virtual to Actual Orthognathic Surgery Using Computer-Aided Design and Computer-Aided Manufacturing-Made Customized Metal Plates. Journal of Craniofacial Surgery, 2022, 33, e376-e382.	0.3	1
238	Randomized Clinical Trial of the Accuracy of Patient-Specific Implants versus CAD/CAM Splints in Orthognathic Surgery. Plastic and Reconstructive Surgery, 2021, 148, 1101-1110.	0.7	18

#	ARTICLE	IF	CITATIONS
239	Current status of surgery-first approach (part III): the use of 3D technology and the implication in obstructive sleep apnea. <i>Maxillofacial Plastic and Reconstructive Surgery</i> , 2020, 42, 1.	0.7	7
241	Comparison of the Accuracy and Clinical Parameters of Patient-Specific and Conventionally Bended Plates for Mandibular Reconstruction. <i>Frontiers in Oncology</i> , 2021, 11, 719028.	1.3	9
242	Accuracy Assessment of Virtual Surgical Planning Comparing 3D Virtual Surgical Planning and Post-Operative CBCTs in Surgical Skeletal Class III Cases: A Retrospective Study. <i>Pesquisa Brasileira Em Odontopediatria E Clinica Integrada</i> , 2021, 21, .	0.7	0
243	The current state of computer assisted orthognathic surgery: A narrative review. <i>Journal of Dentistry</i> , 2022, 119, 104052.	1.7	14
245	Clinical feasibility evaluation of digital dental articulation for three-piece maxillary orthognathic surgery: a proof-of-concept study. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2022, , .	0.7	1
246	Efficacy of Constructing Digital Hybrid Skull-Dentition Images Using an Intraoral Scanner and Cone-Beam Computed Tomography. <i>Scanning</i> , 2022, 2022, 1-9.	0.7	3
247	Surgical Accuracy of Positioning the Maxilla in Patients With Skeletal Class II Malocclusion Using Computer-Aided Design and Computer-Aided Manufacturing-Assisted Orthognathic Surgery. <i>Journal of Craniofacial Surgery</i> , 2021, Publish Ahead of Print, .	0.3	1
248	Efficacy of surgical navigation in zygomaticomaxillary complex fractures: randomized controlled trial. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2022, 51, 1180-1187.	0.7	6
249	Shaping the Lower Jaw Border with Customized Cutting Guides: Development, Validation, and Application in Facial Gender-Affirming Surgery. <i>Facial Plastic Surgery and Aesthetic Medicine</i> , 2022, , .	0.5	4
250	The accuracy of soft tissue movement using virtual planning for non-syndromic facial asymmetry cases—a systematic review. <i>Oral and Maxillofacial Surgery</i> , 2023, 27, 187-200.	0.6	4
253	Combining a digital design-mediated surgery-first approach and clear aligners to treat a skeletal Class III defect for aesthetic purposes: a case report. <i>Journal of International Medical Research</i> , 2022, 50, 030006052210945.	0.4	2
254	3D Printing and Virtual Surgical Planning in Oral and Maxillofacial Surgery. <i>Journal of Clinical Medicine</i> , 2022, 11, 2385.	1.0	29
255	The accuracy of virtual surgical planning in segmental Le Fort I surgery: A comparison of planned and actual outcome. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2022, 75, 2719-2726.	0.5	1
256	Evaluation of the Predictability and Accuracy of Orthognathic Surgery in the Era of Virtual Surgical Planning. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4305.	1.3	2
257	In Vivo Accuracy of a New Digital Planning System in Terms of Jaw Relation, Extent of Surgical Movements and the Hierarchy of Stability in Orthognathic Surgery. <i>Journal of Personalized Medicine</i> , 2022, 12, 843.	1.1	5
258	Computer Guided Generated Dual-Purpose Splint for Bilateral Sagittal Split Osteotomy. <i>Journal of Maxillofacial and Oral Surgery</i> , 0, , .	0.6	0
259	The Predictability of the Surgical Outcomes of Class III Patients in the Transverse Dimension—A Study of Three-Dimensional Assessment. <i>Journal of Personalized Medicine</i> , 2022, 12, 1147.	1.1	1
260	Technology in Oral and Maxillofacial Reconstruction. , 2022, , 1455-1532.		1

#	ARTICLE	IF	CITATIONS
261	What Is the Accuracy of Bimaxillary Orthognathic Surgery Using Occlusally-Based Guides and Patient-Specific Fixation in Both Jaws? A Cohort Study and Discussion of Surgical Techniques. <i>Journal of Oral and Maxillofacial Surgery</i> , 2022, 80, 1912-1926.	0.5	4
262	Virtual Surgical Planning in Orthognathic Surgery: Two Software Platforms Compared. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 9364.	1.3	2
263	Extended Maxillary Osteotomy Guide: A Design That Allows Manipulation of the Osteotomy Direction on the Posterior and Inner Walls of the Maxilla. <i>Journal of Craniofacial Surgery</i> , 2022, 33, 2146-2153.	0.3	4
264	The Accuracy of Computer-Assisted Surgical Planning in Predicting Soft Tissue Responses After Le Fort I Osteotomy: Retrospective Analysis. <i>Journal of Craniofacial Surgery</i> , 2023, 34, 131-138.	0.3	2
265	Does the type of planning in orthognathic surgery influence patient satisfaction?. <i>Oral and Maxillofacial Surgery</i> , 0, , .	0.6	1
266	Mandibular stability and condylar changes following orthognathic surgery in mandibular hypoplasia patients associated with preoperative condylar resorption. <i>Clinical Oral Investigations</i> , 2022, 26, 7083-7093.	1.4	6
267	An innovative universal protocol for orthognathic surgery three-dimensional virtual simulation. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2023, 52, 691-695.	0.7	3
268	Simultaneous PSI-Based Orthognathic and PEEK Bone Augmentation Surgery Leads to Improved Symmetric Facial Appearance in Craniofacial Malformations. <i>Journal of Personalized Medicine</i> , 2022, 12, 1653.	1.1	6
269	Impact of Mandibular Angle Osteotomy Using a Geometric Mathematical Design on the Aesthetic Osteotomy Line: A Retrospective Observational Study. <i>Aesthetic Plastic Surgery</i> , 0, , .	0.5	0
270	Early experience of wafer-free Le Fort I osteotomy with patient-specific implants in cleft lip and palate patients. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2022, , .	0.5	1
271	Accuracy and safety of in-house surgeon-designed three-dimensional-printed patient-specific implants for wafer-less Le Fort I osteotomy. <i>Clinical Oral Investigations</i> , 0, , .	1.4	0
272	Virtual Planning and 3D Printing in Contemporary Orthognathic Surgery. <i>Seminars in Plastic Surgery</i> , 2022, 36, 169-182.	0.8	4
273	Changes in the upper airway volume after orthognathic surgery: three-dimensional measurements in a supine body position. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2023, 52, 948-955.	0.7	1
274	Accuracy of mandibular repositioning surgery using new technology: Computer-aided design and manufacturing customized surgical cutting guides and fixation plates. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2023, 163, 357-367.e3.	0.8	3
275	Cartesian three-dimensional method to quantify displacements between cone beam computed tomography models. <i>Dental Press Journal of Orthodontics</i> , 2022, 27, .	0.2	0
276	Three-Dimensional Accuracy and Stability of Personalized Implants in Orthognathic Surgery: A Systematic Review and a Meta-Analysis. <i>Journal of Personalized Medicine</i> , 2023, 13, 125.	1.1	8
277	Accuracy of virtual surgical planning in mandibular reconstruction: application of a standard and reliable postoperative evaluation methodology. <i>BMC Oral Health</i> , 2023, 23, .	0.8	2
278	Reproducibility and reliability of digital occlusal planning for orthognathic surgery. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2023, , .	0.7	0

#	ARTICLE	IF	CITATIONS
279	The Last 40 Years of Orthognathic Surgery: A Bibliometric Analysis. Journal of Oral and Maxillofacial Surgery, 2023, 81, 841-854.	0.5	5
280	Digital template-guided genioplasty for patients with jaw deformity resulting from temporomandibular joint ankylosis: A comparison between single- and double-layer genioplasty. International Journal of Oral and Maxillofacial Surgery, 2023, , .	0.7	0
282	Advanced 3D body scanning techniques and its clinical applications. , 2022, , .		5
283	Predictability of the virtual surgical plan for orthognathic surgery with the mandible surgery first sequence. International Journal of Oral and Maxillofacial Surgery, 2023, , .	0.7	1
291	Digitally Assisted Orthognathic Surgical Planning: Definition, History, and Innovation. , 2023, , 169-198.		1
292	Innovations in Craniofacial Surgery. , 2023, , 1-35.		0
307	Microsurgical Jaw Reconstruction. , 2023, , 313-318.		0