



IMPLANTS IN ORTHODONTICS

Comparison of sagittal and vertical changes after en masse and two-step retraction using mini-implant anchorage: A randomized controlled trial [Accessible from the Wiley link on this page]	Eur J Oral Sci 2026; 134 (4): e70094
Retrospective radiographic study of potential tooth root contact of orthodontic mini-implants placed at the anterior palate	Int J Oral Maxillofac Surg 2026; Jan 27
Premature implant placement and prolonged orthodontic treatment (request using https://www.smartsurvey.co.uk/s/PJHMV/)	J Clin Orthod 2026; 60(1): 31-34
Is simultaneous placement of orthodontic mini-implants and skeletally anchored appliances advisable?	J Orofac Orthod 2025; Mar 04
Three-dimensional evaluation of palatal bone thickness for insertion of micro implants in Portuguese population: a retrospective cone-beam CT study	J Orthod 2025; 52(4): 355-369
Comparison of skeletal and dentoalveolar effects of mini-implant-supported twin block versus conventional twin block in treating growing patients with Class II Division 1 malocclusion: a two-arm randomized controlled clinical trial (request using https://www.smartsurvey.co.uk/s/PJHMV/)	Eur J Orthod 2025; 47(6): cjaf093
Comparative evaluation of accuracy between dynamic navigation and freehand method during orthodontic implant placement: a split-mouth study	Angle Orthodont 2025; 95(6): 639-646
The impact of mini-screws and micro-implants on orthodontic clinical outcomes: An umbrella meta-analysis	Clin Exp Dent Res 2025; 11(5): e70220
Long-term stability of orthodontic implant site development: A 13-year case report	J Dent Sci 2025; 20(2): 1295-1297
A comparative evaluation of surface and elemental changes in stainless steel and titanium orthodontic implants: A multiarm randomized controlled trial [can be accessed on DOSS free by logging in on this page]	Int J Oral Maxillofac Implants 2025; 40(1): 9-19
Orthodontic implant site development using labial root torque: A case series with CBCT analysis [can be accessed on DOSS free by logging in on this page]	Int J Periodont Restor Dent 2025; 45(3): 357-367
Impact of autoclaving on the dimensional stability of 3D-printed guides for orthodontic mini-implant insertion – an in vitro study	Clin Exp Dent Res 2025; 11(1): e70111
Optimal sites for mini-implant insertion into the infrazygomatic crest according to different craniofacial morphologies: A cross-sectional cone-beam computed tomography study	Am J Orthod Dentofac Orthop 2025; 167(3): 261-272
Clinical effectiveness of ramus mini-implants in orthodontic traction of impacted mandibular second molars [can be accessed on DOSS free by logging in on this page]	Eur J Orthod 2025; 47(3): cjaf015



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Interdisciplinary management of orthodontic-dental implant-restorative patients [Log in to the BDA home page and follow the link to the BDJ to access]	BDJ 2024; 237(5): 379-388
Transfer accuracy of 3D printed versus CAD/CAM milled surgical guides for temporary orthodontic implants: A preclinical micro CT study	J Dent 2024; 146: 105060
The effect of surface roughening on the success of orthodontic mini-implants: A systematic review and meta-analysis	Am J Orthod Dentofac Orthop 2024; 165(3): 262-271.e3
Change in the spatial position of mini-implants during distal movement of the entire maxillary dentition: An observational CBCT study [can be accessed on DOSS free by logging in on this page]	Int J Oral Maxillofac Implants 2024; 39(5): 183-192
Comparison between effects of mini-implant anchorage and face-bow anchorage in orthodontics for children	J Clin Pediatr Dent 2024; 48(1): 198-203
What is the impact of patient attributes, implant characteristics, surgical techniques, and placement location on the success of orthodontic mini-implants in young adults? A systematic review and meta-analysis	Saudi Dent J 2024; 36(9): 1149-1159
Impact of digital orthodontics on maxillary protraction with implants in children with skeletal class III: A systematic review and meta-analysis [Review]	Saudi Dent J 2024; 36(2): 240-248
Comparison of two treatment protocols for intrusion and retraction of maxillary anterior teeth using mini-implants : A prospective clinical trial [can be accessed on DOSS free by logging in on this page]	J Orofac Orthop 2024; 85(1): 13-29
The success rate of mini-screws for incisors intrusion and patient age, gender, and insertion angle in the maxilla using CBCT and implant-guided surgery. A split-mouth, randomized control trail	Orthod Craniofac Res 2024; 27(1): 118-125
Orthodontic aligner software for the design of mini-implant guidance stents (request using https://www.smartsurvey.co.uk/s/PJHMV/)	J Clin Orthod 2023; 57(4): 212-219
Evaluation of expansion forces of five pure bone-borne maxillary expander designs anchored with orthodontic mini-implants: An in vitro study [can be accessed on DOSS free by logging in on this page]	J Orthod 2023; 50(4): 335-343
A pattern of microbial colonization of orthodontic miniscrew implants [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Am J Orthod Dentofac Orthop 2023; 164(4): 554-566
Periodontal status after orthodontic mini-screw insertion: A prospective clinical split-mouth study	Clin Exp Dent Res 2023; 9 (4): 596-605
Minimum required length of orthodontic microimplant: a numerical simulation and clinical validation [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Am J Orthod Dentofac Orthop 2023; 163(6): 858-866
Orthodontics and dental implants in the esthetic zone (request using https://www.smartsurvey.co.uk/s/PJHMV/)	J Clin Orthod 2023; 57 (7): 411-417



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Comparative analysis of two navigation techniques based on augmented reality technology for the orthodontic mini-implants placement	BMC Oral Health 2023; 23 (1): 542
Mini-implant assisted posterior intrusion: A quantification of anterior bite closure in nongrowing subjects [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Am J Orthod Dentofac Orthop 2023; 163 (4): 465-474
Classification of temporary anchorage devices in orthodontics (request using https://www.smartsurvey.co.uk/s/PJHMY/)	J Clin Orthod 2023; 57 (6): 353-356
Application of surgical guide for pre-drilling for the successful placement of orthodontic mini-screws using CAD/CAM technology in two cases [can be accessed on DOSS free by logging in on this page]	J Orthod 2023; 50(2): 243-251
Systematic review and network meta-analysis of the accuracy of the orthodontic mini-implants placed in the inter-radicular space by image-guided-based techniques	BMC Oral Health 2023; 23 (1): 383
Clinical analysis of successful insertion of orthodontic mini-implants in infrazygomatic crest	BMC Oral Health 2023; 23 (1): 348
Effect of the computer-aided static navigation technique on the accuracy of bicortical mini-implants placement site for maxillary skeletal expansion appliances: an in vitro study	BMC Oral Health 2023; 23 (1): 86
Minimum volume of infiltrative anesthetic required for pain-free placement of mini-implants: a split-mouth clinical trial [can be accessed on DOSS free by logging in on this page]	Quintessence Int 2023; 54 (1): 16-22
Accuracy of palatal orthodontic mini-implants placed by conventionally or CAD/CAM-based surgical guides: a comparative in vitro study	Angle Orthod 2023; 93 (1): 79-87
Ridge mini-implants, a versatile biomechanical anchorage device whose success is significantly enhanced by splinting: a clinical report	Prog Orthodont 2023; 24: Art 27
CAD-CAM workflows for palatal TAD anchored appliances [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Seminars Orthod 2023; 29 (1): 51-59
Correlation between insertion torque and peri-implant bone strain during placement of orthodontic mini-implants: a finite element study [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Am J Orthod Dentofac Orthop 2022; 161(2): 248-254
Safe sites for orthodontic miniscrew insertion in the infrazygomatic crest area in different facial types: a tomographic study [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Am J Orthod Dentofac Orthop 2022; 161(1): 37-45
Unilateral upper central incisor space closure using palatal mini-implants	J Clin Orthodont 2022; 56 (2): 77-88



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Unilateral intrusion in a medically complex patient using an orthodontic mini-implant: a case report [can be accessed on DOSS free by logging in on this page]	J Orthod 2021; 48 (4): 435-443
Computed tomography assessment of maxillary bone density for orthodontic mini-implant placement with respect to vertical growth patterns [can be accessed on DOSS free by logging in on this page]	J Orthodont 2021; 48 (4): 392-402
Does mini-implant-supported rapid maxillary expansion cause less root resorption than traditional approaches? A micro-computed tomography study [can be accessed on DOSS free by logging in on this page]	Korean J Orthodont 2021; 51 (4): 241-9
Evaluation of success rate and biomechanical stability of ultraviolet-photofunctionalized miniscrews with short lengths [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Am J Orthod Dentofac Orthop 2021; 159(2): 158-166

Effectiveness of miniscrew-supported maxillary incisor intrusion in deep-bite correction: A systematic review and meta-analysis	Angle Orthod 2020; (90): 291-304
RFA measurements of survival midpalatal orthodontic mini-implants in comparison to initial healing period	Prog Orthod 2020; (21): 5
Low-level laser therapy with a 635 nm diode laser affects orthodontic mini-implants stability: A randomized clinical split-mouth trial	J Clin Med 2010; (9): 112
Effects of size and insertion angle of orthodontic mini-implants on skeletal anchorage [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Am J Orthod Dentofac Orthop 2019; (156): 220-228
Effects of mini-implant facilitated micro-osteoperforations in alleviating mandibular anterior crowding: A randomized controlled clinical trial	J Orthod Sci 2019; (8): 19
Predictive values of resonance frequency analysis as a diagnostic tool in palatal implant loss	Angle Orthod 2019; (89): 721-726
Analysis of the association of IL4 polymorphisms with orthodontic mini-implant loss [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Int J Oral Maxillofac Surg 2019; (48): 982-988
Maxillary molar mesialization with the use of palatal mini-implants for direct anchorage in an adolescent patient [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Am J Orthod Dentofac Orthop 2019; (155): 725-732
Distance to alveolar crestal bone: a critical factor in the success of orthodontic mini-implants	Prog Orthod 2019; (20): 19
Atomic layout of an orthodontic titanium mini-implant in human tissue: insights into the possible mechanisms during osseointegration	Angle Orthod 2019; (89): 292-298



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Mini-implant supported canine retraction with micro-osteoperforation: <i>a split-mouth randomized clinical trial</i>	Angle Orthod 2019; (89): 183-189
Contact of the incisive canal and upper central incisors causing root resorption after retraction with orthodontic mini-implants: <i>a CBCT study</i>	Angle Orthod 2019; (89): 200-205
A novel technique for measurement of orthodontic mini-implant stability using the Osstell ISQ device	Angle Orthod 2019; (89): 284-291
Failure rates for stainless steel versus titanium alloy infrazygomatic crest bone screws: <i>a single-center, randomized double-blind clinical trial</i>	Angle Orthod 2019; (89): 40-46
A prospective, split-mouth, clinical study of orthodontic titanium miniscrews with machined and acid-etched surfaces	Angle Orthod 2018; 89 (3): 411-417
Influence of orthodontic mini-implant penetration of the maxillary sinus in the infrazygomatic crest region [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Am J Orthod Dentofac Orthop 2018; (153): 656-661
Structural, morphological, compositional, and mechanical changes of palatal implants after use: a retrieval analysis	Eur J Orthod 2017; (39): 579-585
Long-term durability of orthodontic mini-implants [can be accessed on DOSS free by logging in on this page]	Odontology 2018; 106 (2): 208-214
Role of anatomical sites and correlated risk factors on the survival of orthodontic miniscrew implants: A systematic review and meta-analysis	Prog Orthod 2018; (19): 36
Efficacy of orthodontic mini implants for en masse retraction in the maxilla: A systematic review and meta analysis	Int J Implant Dent 2018; (4): 35
A novel technique for measurement of orthodontic mini-implant stability using the Osstell ISQ device	Angle Orthod 2018; 89 (2): 284-291
Mini-implant supported canine retraction with micro-osteoperforation: <i>A split-mouth exploratory randomized clinical trial</i>	Angle Orthod 2018; 89 (2): 183-189
Class II treatment with miniscrews (request using https://www.smartsurvey.co.uk/s/PJHMY/)	Clin Dent Rev 2018; 2(3) doi: 10.1007/s41894-017-0014-0
Immediate versus delayed loading: Comparison of primary stability loss after miniscrew placement in orthodontic patients – a single-centre blinded randomized clinical trial	Eur J Orthodont 2016; 38(6): 652-659
Mandibular molar uprighting using orthodontic miniscrew implants: A systematic review	Progress in Orthodont 2018; 19(1): 1
Treatment outcomes of Class II malocclusion cases treated with miniscrew-anchored Forsus Fatigue Resistant Device: A Randomized controlled trial	Angle Orthod 2017; 87(6): 824-833



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How do geometry-related parameters influence the clinical performance of orthodontic mini-implants? A systematic review and meta-analysis [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Int J Oral Maxillofac Surg 2017; 46: 1539-1551
Prognosis of primary and secondary insertions of orthodontic miniscrews: What we have learned from 500 implants [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Am J Orthod Dentofac Orthop 2017; (152): 224-231
Effects of photodynamic therapy on the clinical and biomechanical efficiency of mini-implants: A randomized controlled trial (request using https://www.smartsurvey.co.uk/s/PJHMV/)	J Clin Orthod 2017; 51(5): 259-269
Use of osseointegrated implants for orthodontic anchorage (request using https://www.smartsurvey.co.uk/s/PJHMV/)	J Clin Orthod 2017; 51(7): 406-410
Anatomic landmarks and availability of bone for placement of orthodontic mini-implants for normal and short maxillary body lengths [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Am J Orthod Dentofac Orthop 2017; (151): 878-886
Effectiveness of orthodontic miniscrew implants in anchorage reinforcement during en-masse retraction: A systematic review and meta-analysis [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Am J Orthod Dentofac Orthop 2017; (151): 440-455
Camouflage of a high-ankle skeletal class II open-bite malocclusion in an adult after mini-implant failure during treatment [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Am J Orthod Dentofac Orthop 2017; (151): 583-597
Orthodontic traction of a transmigrated mandibular canine using mini-implant: A case report and review [can be accessed on DOSS free by logging in on this page]	J Orthod 2016; 43(4): 314-321
Surface analysis of 2 orthodontic mini-implants after clinical use [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Am J Orthod Dentofac Orthop 2016; (150): 89-97
Factors affecting the clinical success rate of miniscrew implants for orthodontic treatment [can be accessed on DOSS free by logging in on this page]	Int J Oral Maxillofac Implants 2016; (31): 835-841
Outcome of orthodontic mini-implant loss in relation to interleukin 6 polymorphisms [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Int J Oral Maxillofac Surg 2016; (45): 649-657
Failure of orthodontic mini-implants by patient age, sex, and arch; number of primary insertions; and frequency of reinsertions after failure: An analysis of the implant failure rate and patient failure rate [can be accessed on DOSS free by logging in on this page]	Int J Periodontics Restorative Dent 2016; (36): 559-565



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Effectiveness of methods for detaching orthodontic implants likely to fracture upon rotational torque – an animal study	Clin Exp Dent Res 2016; 2(1): 51-6
Controlled canine retraction using orthodontic mini-implants coupled with bondable powerarms [can be accessed on DOSS free by logging in on this page]	J Orthodont 2016; 42: 315-23
Stress distribution patterns at mini-implant site during retraction and intrusion – a three-dimensional finite element study	Prog Orthod 2016; 17: 4
The evaluation of palatal bone thickness for implant insertion with cone beam computerised tomography [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Int J Oral Maxillofac Surg 2016; 45: 216-20
Comparison of short-term effects of mini-implant-supported maxillary expansion appliance with two conventional expansion protocols	Eur J Orthod 2015; 37 (5): 556-564 doi:
Orthodontic approach to treat complex hypodontia using miniscrews in a growing patient	Dental Press J Orthod 2015; 20(4): 82-90
In vitro study of human osteoblast proliferation and morphology on orthodontic mini-implants	Angle Orthod 2015; 85(6): 920-6
Retrieval analysis of immediately loaded orthodontic mini-implants: material and tissue characterization	Eur J Orthod 2014; 36: 683-9
Paramedian vertical palatal bone height for mini-implant insertion: A systematic review	Eur J Orthod 2014; 36: 541-9
Mini-implant-supported temporary pontics (request using https://www.smartsurvey.co.uk/s/PJHMY/)	J Clin Orthod 2014; 48(7): 422-9
Stress distribution and displacement by different bone-borne palatal expanders with micro-implants: a three-dimensional finite-element analysis	Eur J Orthod 2014; 36: 531-40