



## IMPLANTS IN ORTHODONTICS

<a href="#">The effect of surface roughening on the success of orthodontic mini-implants: A systematic review and meta-analysis</a>	Am J Orthod Dentofac Orthop 2024; 165(3): 262-271.e3
<a href="#">Comparison between effects of mini-implant anchorage and face-bow anchorage in orthodontics for children</a>	J Clin Pediatr Dent 2024; 48(1): 198-203
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 <a href="#">on this page</a> ]	J Orofac Orthop 2024; 85(1): 13-29
<a href="#">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</a>	Orthod Craniofac Res 2024; 27(1): 118-125
Orthodontic aligner software for the design of mini-implant guidance stents (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	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 <a href="#">on this page</a> ]	J Orthod 2023; 50(4): 335-343
<a href="#">A pattern of microbial colonization of orthodontic miniscrew implants</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	Am J Orthod Dentofac Orthop 2023; 164 (4): 554-566
<a href="#">Periodontal status after orthodontic mini-screw insertion: A prospective clinical split-mouth study</a>	Clin Exp Dent Res 2023; 9 (4): 596-605
<a href="#">Minimum required length of orthodontic microimplant: a numerical simulation and clinical validation</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	Am J Orthod Dentofac Orthop 2023; 163 (6): 858-866
Orthodontics and dental implants in the esthetic zone (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	J Clin Orthod 2023; 57 (7): 411-417
<a href="#">Comparative analysis of two navigation techniques based on augmented reality technology for the orthodontic mini-implants placement</a>	BMC Oral Health 2023; 23 (1): 542
<a href="#">Mini-implant assisted posterior intrusion: A quantification of anterior bite closure in nongrowing subjects</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	Am J Orthod Dentofac Orthop 2023; 163 (4): 465-474
Classification of temporary anchorage devices in orthodontics (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	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 <a href="#">on this page</a> ]	J Orthod 2023; 50(2): 243-251



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<a href="#">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</a>	BMC Oral Health 2023; 23 (1): 383
<a href="#">Clinical analysis of successful insertion of orthodontic mini-implants in infrazygomatic crest</a>	BMC Oral Health 2023; 23 (1): 348
<a href="#">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</a>	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 <a href="#">on this page</a> ]	Quintessence Int 2023; 54 (1): 16-22
<a href="#">Accuracy of palatal orthodontic mini-implants placed by conventionally or CAD/CAM-based surgical guides: a comparative in vitro study</a>	Angle Orthod 2023; 93 (1): 79-87
<a href="#">Ridge mini-implants, a versatile biomechanical anchorage device whose success is significantly enhanced by splinting: a clinical report</a>	Prog Orthodont 2023; 24: Art 27
<a href="#">CAD-CAM workflows for palatal TAD anchored appliances</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	Seminars Orthod 2023; 29 (1): 51-59
<a href="#">Correlation between insertion torque and peri-implant bone strain during placement of orthodontic mini-implants: a finite element study</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	Am J Orthod Dentofac Orthop 2022; 161(2): 248-254
<a href="#">Safe sites for orthodontic miniscrew insertion in the infrazygomatic crest area in different facial types: a tomographic study</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	Am J Orthod Dentofac Orthop 2022; 161(1): 37-45
<a href="#">Unilateral upper central incisor space closure using palatal mini-implants</a>	J Clin Orthodont 2022; 56 (2): 77-88
Unilateral intrusion in a medically complex patient using an orthodontic mini-implant: a case report [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	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 <a href="#">on this page</a> ]	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 <a href="#">on this page</a> ]	Korean J Orthodont 2021; 51 (4): 241-9
<a href="#">Evaluation of success rate and biomechanical stability of ultraviolet-photofunctionalized miniscrews with short lengths</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	Am J Orthod Dentofac Orthop 2021; 159(2): 158-166

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<a href="#">Effectiveness of miniscrew-supported maxillary incisor intrusion in deep-bite correction: A systematic review and meta-analysis</a>	Angle Orthod 2020; (90): 291-304
<a href="#">RFA measurements of survival midpalatal orthodontic mini-implants in comparison to initial healing period</a>	Prog Orthod 2020; (21): 5
<a href="#">Low-level laser therapy with a 635 nm diode laser affects orthodontic mini-implants stability: A randomized clinical split-mouth trial</a>	J Clin Med 2010; (9): 112
<a href="#">Effects of size and insertion angle of orthodontic mini-implants on skeletal anchorage</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	Am J Orthod Dentofac Orthop 2019; (156): 220-228
<a href="#">Effects of mini-implant facilitated micro-osteoperforations in alleviating mandibular anterior crowding: A randomized controlled clinical trial</a>	J Orthod Sci 2019; (8): 19
<a href="#">Predictive values of resonance frequency analysis as a diagnostic tool in palatal implant loss</a>	Angle Orthod 2019; (89): 721-726
<a href="#">Analysis of the association of IL4 polymorphisms with orthodontic mini-implant loss</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	Int J Oral Maxillofac Surg 2019; (48): 982-988
<a href="#">Maxillary molar mesialization with the use of palatal mini-implants for direct anchorage in an adolescent patient</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	Am J Orthod Dentofac Orthop 2019; (155): 725-732
<a href="#">Distance to alveolar crestal bone: a critical factor in the success of orthodontic mini-implants</a>	Prog Orthod 2019; (20): 19
<a href="#">Atomic layout of an orthodontic titanium mini-implant in human tissue: insights into the possible mechanisms during osseointegration</a>	Angle Orthod 2019; (89): 292-298
<a href="#">Mini-implant supported canine retraction with micro-osteoperforation: a split-mouth randomized clinical trial</a>	Angle Orthod 2019; (89): 183-189
<a href="#">Contact of the incisive canal and upper central incisors causing root resorption after retraction with orthodontic mini-implants: a CBCT study</a>	Angle Orthod 2019; (89): 200-205
<a href="#">A novel technique for measurement of orthodontic mini-implant stability using the Osstell ISQ device</a>	Angle Orthod 2019; (89): 284-291
<a href="#">Failure rates for stainless steel versus titanium alloy infrazygomatic crest bone screws: a single-center, randomized double-blind clinical trial</a>	Angle Orthod 2019; (89): 40-46
<a href="#">A prospective, split-mouth, clinical study of orthodontic titanium miniscrews with machined and acid-etched surfaces</a>	Angle Orthod 2018; 89 (3): 411-417
<a href="#">Influence of orthodontic mini-implant penetration of the maxillary sinus in the infrazygomatic crest region</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	Am J Orthod Dentofac Orthop 2018; (153): 656-661



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<a href="#">Structural, morphological, compositional, and mechanical changes of palatal implants after use: a retrieval analysis</a>	Eur J Orthod 2017; (39): 579-585
Long-term durability of orthodontic mini-implants [can be accessed on DOSS free by logging in <a href="#">on this page</a> ]	Odontology 2018; 106 (2): 208-214
<a href="#">Role of anatomical sites and correlated risk factors on the survival of orthodontic miniscrew implants: A systematic review and meta-analysis</a>	Prog Orthod 2018; (19): 36
<a href="#">Efficacy of orthodontic mini implants for en masse retraction in the maxilla: A systematic review and meta analysis</a>	Int J Implant Dent 2018; (4): 35
<a href="#">A novel technique for measurement of orthodontic mini-implant stability using the Osstell ISQ device</a>	Angle Orthod 2018; 89 (2): 284-291
<a href="#">Mini-implant supported canine retraction with micro-osteoperforation: A split-mouth exploratory randomized clinical trial</a>	Angle Orthod 2018; 89 (2): 183-189
Class II treatment with miniscrews (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	Clin Dent Rev 2018; 2(3) doi: 10.1007/s41894-017-0014-0
<a href="#">Immediate versus delayed loading: Comparison of primary stability loss after miniscrew placement in orthodontic patients – a single-centre blinded randomized clinical trial</a>	Eur J Orthodont 2016; 38(6): 652-659
<a href="#">Mandibular molar uprighting using orthodontic miniscrew implants: A systematic review</a>	Progress in Orthodont 2018; 19(1): 1
<a href="#">Treatment outcomes of Class II malocclusion cases treated with miniscrew-anchored Forsus Fatigue Resistant Device: A Randomized controlled trial</a>	Angle Orthod 2017; 87(6): 824-833
<a href="#">How do geometry-related parameters influence the clinical performance of orthodontic mini-implants? A systematic review and meta-analysis</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	Int J Oral Maxillofac Surg 2017; 46: 1539-1551
<a href="#">Prognosis of primary and secondary insertions of orthodontic miniscrews: What we have learned from 500 implants</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> 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 <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	J Clin Orthod 2017; 51(5): 259-269
Use of osseointegrated implants for orthodontic anchorage (request using <a href="https://www.smartsurvey.co.uk/s/PJHMV/">https://www.smartsurvey.co.uk/s/PJHMV/</a> )	J Clin Orthod 2017; 51(7): 406-410
<a href="#">Anatomic landmarks and availability of bone for placement of orthodontic mini-implants for normal and short maxillary body lengths</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	Am J Orthod Dentofac Orthop 2017; (151): 878-886



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<a href="#">Effectiveness of orthodontic miniscrew implants in anchorage reinforcement during en-masse retraction: A systematic review and meta-analysis</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	Am J Orthod Dentofac Orthop 2017; (151): 440-455
<a href="#">Camouflage of a high-ankle skeletal class II open-bite malocclusion in an adult after mini-implant failure during treatment</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> 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 <a href="#">on this page</a> ]	J Orthod 2016; 43(4): 314-321
<a href="#">Surface analysis of 2 orthodontic mini-implants after clinical use</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> 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 <a href="#">on this page</a> ]	Int J Oral Maxillofac Implants 2016; (31): 835-841
<a href="#">Outcome of orthodontic mini-implant loss in relation to interleukin 6 polymorphisms</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> 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 <a href="#">on this page</a> ]	Int J Periodontics Restorative Dent 2016; (36): 559-565
<a href="#">Effectiveness of methods for detaching orthodontic implants likely to fracture upon rotational torque – an animal study</a>	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 <a href="#">on this page</a> ]	J Orthodont 2016; 42: 315-23
<a href="#">Stress distribution patterns at mini-implant site during retraction and intrusion – a three-dimensional finite element study</a>	Prog Orthod 2016; 17: 4
<a href="#">The evaluation of palatal bone thickness for implant insertion with cone beam computerised tomography</a> [free to members on Science Direct. If you do not have a login email <a href="mailto:library@bda.org">library@bda.org</a> to request one]	Int J Oral Maxillofac Surg 2016; 45: 216-20
<a href="#">Comparison of short-term effects of mini-implant-supported maxillary expansion appliance with two conventional expansion protocols</a>	Eur J Orthod 2015; 37 (5): 556-564 doi:
<a href="#">Orthodontic approach to treat complex hypodontia using miniscrews in a growing patient</a>	Dental Press J Orthod 2015; 20(4): 82-90
<a href="#">In vitro study of human osteoblast proliferation and morphology on orthodontic mini-implants</a>	Angle Orthod 2015; 85(6): 920-6
<a href="#">Retrieval analysis of immediately loaded orthodontic mini-implants: material and tissue characterization</a>	Eur J Orthod 2014; 36: 683-9



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[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/PJHMV/>) 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