



IMPLANTS: OSSEOINTEGRATION

Impact of macrogeometry on the primary stability and bone markers of dental implants: a prospective, controlled, randomized, split-mouth clinical study [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	J Prosthet Dent 2026; 135(6): 1095-1103
Mathematic and computational models for osseointegration in titanium dental implants: a systematic review of current approaches and future directions [can be accessed on DOSS free by logging in on this page]	Int J Oral Maxillofac Impl 2026; 41 (Suppl): S113-S129
Comparative evaluation of osseointegration among different surface modification techniques in dental implants	Bioinformation 2026; 22(4): 2213-2218
Radiovisiographic evaluation of bone density around dental implants [Log in to the BDA home page and follow the link to the BDJ to access]	BDJ (2026). https://doi.org/10.1038/s41415-025-9106-4
Success and survival of titanium surface modification on dental implant osseointegration: a systematic review [Log in to the BDA home page and follow the link to the BDJ to access]	BDJ 2025; 239 (8): 571-577
Biomechanical basis for bone healing and osseointegration of implants in sinus grafts	Clin Implant Dent Rel Res 2024; online 5 December
Bioactive surface modifications on dental implants: a systematic review and meta-analysis of osseointegration and longevity	Clin Oral Investig 2024; 28: 592
Advancements in dental implantology: The alveolar ridge split technique for enhanced osseointegration [Accessible from the Wiley link on this page]	Clin Implant Dent Relat Res 2024; online 29 July: 10.1111/cid.13363
Biomechanical evaluation of the effects of concentrated growth factor liquid on osseointegration: A split-mouth design study [can be accessed on DOSS free by logging in on this page]	Int J Oral Maxillofac Implants 2023; 38(6): 1182-1190
Impact of locally delivered diphosphonates on dental 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]	J Stomatol Oral Maxillofac Surg 2023; 124 (6 suppl): 101521
Histologic osseointegration level comparing titanium and zirconia dental implants: meta-analysis of preclinical studies [can be accessed on DOSS free by logging in on this page]	Int J Oral Maxillofac Implants 2023; 38 (4): 667-680
Osseointegration of titanium implants after surface treatment with ultraviolet light or cold atmospheric plasma in vivo [can be accessed on DOSS free by logging in on this page]	Int J Oral Implantol 2023; 16 (3): 197-208
Foreign body osseointegration [can be accessed on DOSS free by logging in on this page]	Int J Oral Maxillofac Implants 2023; 38 (5): 838-840
Influence of obesity on osseointegration of implants with different surface treatments: A preclinical study [Accessible from the Wiley link on this page]	Clin Implant Dent Relat Res 2023; 25 (5): 919-928



IMPLANTS: OSSEOINTEGRATION

Biomechanical and histologic evaluation of osseointegration of titanium dental implants modified by various combinations of sandblasting, acid-etching, hydroxyapatite, and hyaluronic acid coating techniques [can be accessed on DOSS free by logging in on this page]	Int J Oral Maxillofac Implants 2023; 38 (3): 583-590
The effects of clockwise and counterclockwise conventional and osseodensification drilling on the dimensions, density, and biomechanical properties of bone [can be accessed on DOSS free by logging in on this page]	Int J Oral Maxillofac Implants 2023; 38 (1): 77-83
Sequential osseointegration of a novel implant system based on 3D printing in comparison with conventional titanium implants	Clin Oral Implants Res 2023; 34 (6): 627-638
Improvement implant osseointegration through nonthermal Ar/O₂ plasma	Dent Mater J 2023; 42 (4): 461-468
Biologic bone behavior during the osseointegration process: Histologic, Histomorphometric, and SEM-EDX evaluations [can be accessed on DOSS free by logging in on this page]	Int J Periodont Restor Dent 2023; 43 (1): 65-72
Dental implants: enhancing biological response through surface modifications [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Dent Clin N Amer 2022; 66(4): 627-642
Osseointegration of 3D-printed titanium implants with surface and structure modifications [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Dental Mat 2022; 38 (10): 1648-60
Successful osseointegrated implants in hypertensive patients: retrospective clinical study [can be accessed on DOSS free by logging in on this page]	Int J Oral Maxillofac Implants 2022; 37 (3): 501-507
Coarse surface microcavities permit bone ingrowth and improve implant osseointegration [can be accessed on DOSS free by logging in on this page]	Int J Oral Maxillofac Implants 2022; 37 (2): 289-301
Implant osseointegration in grafted autogenous bone blocks fixed with screws and cyanoacrylate-based adhesive: histomorphometric and micro-CT analyses [can be accessed on DOSS free by logging in on this page]	Int J Oral Maxillofac Implants 2022; 37 (2): 311-319
Does vitamin D have an effect on osseointegration of dental implants? A systematic review	Int J Implant Dent 2022 ; 8 : Art 16
Improvement of osseointegration of Ti-6Al-4V ELI alloy orthodontic mini-screws through anodization, cyclic pre-calcification, and heat treatments	Prog Orthodont 2022; 23 : Art 11
Fractal analysis as a useful predictor for determining osseointegration of dental implant? A retrospective study	Int J Implant Dent 2021; 7 : Art 14
A systematic review of determine the impact of non-steroidal anti-inflammatory drugs on dental implant osseointegration [Accessible from the Wiley link on this page]	Oral Surgery 2020 ; 13 (1) 57-66
Oral implants: the paradigm shift in restorative dentistry [can be accessed on DOSS free by logging in on this page]	J Dent Res 2019 ; 98 (12) 1287-1293



IMPLANTS: OSSEOINTEGRATION

Osseointegration of dental implants in organ transplant patients undergoing chronic immunosuppressive therapy [Accessible from the Implant Dentistry link on this page]	Implant Dent 2019 ; 28 (5) 447-454
The effects of systemic diseases and medications on implant osseointegration: A systematic review [can be accessed on DOSS free by logging in on this page]	Int J Oral Maxillofac Implants 2019 ; 34(Suppl.) s35-s49
Can osseointegration be achieved without primary stability? [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Dent Clin N Am 2019 ; (63) : 461-473
The role of microRNAs in the osseointegration process [can be accessed on DOSS free by logging in on this page]	Int J Oral Maxillofac Implants 2019 ; (34) : 697-410
Research on implants and osseointegration [Accessible from the Wiley link on this page]	Perio 2000 ; 2019 79 (1) : 178-189
Is osseointegration a foreign body reaction? [can be accessed on DOSS free by logging in on this page]	Int J Prosthodont 2019 ; (32) : 133-136
Atomic layout of an orthodontic titanium mini-implant in human tissue: Insights into the possible mechanisms during osseointegration	Angle Orthod 2019 ; (89): 292-298
Effect of hyaluronic acid on the osseointegration of dental implants [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Br J Oral Maxillofac Surg 2019 ; (57) : 53-57
Transcriptomic profiling of tantalum metal implant osseointegration in osteopenic patients	BDJ Open 2018 ; (4) : 17042
Analysis of osseointegration of implants with hydrophilic surfaces in grafted areas: a preclinical study [Accessible from the Wiley link on this page]	Clin Oral Implants Res 2018 ; 29 (10) : 963-972
Thirty-two-year success of dental implants in periodontally compromised dentition [can be accessed on DOSS free by logging in on this page]	Int J Periodontics Restorative Dent 2018 ; 38 (6) : 827-831
Impact of surface chemistry modifications on speed and strength of osseointegration [can be accessed on DOSS free by logging in on this page]	Int J Oral Maxillofac Implants 2018 ; 33 (4) : 780-787
Implant-associated gene expression in the jaw bone of smokers and nonsmokers: a human study using quantitative qPCR [Accessible from the Wiley link on this page]	Clin Oral Impl Res 2018 ; 29 (9) : 937-953
Impact of surface chemistry modifications on speed and strength of osseointegration [can be accessed on DOSS free by logging in on this page]	Int J Oral Maxillofac Impl 2018 ; 33 (4) : 780-787
Modeling the effect of osseointegration on dental implant pullout and torque removal tests [Accessible from the Wiley link on this page]	Clin Implant Dent Relat Res 2018 ; 20 (5) : 683-691
Does local ibandronate and/or pamidronate delivery enhance osseointegration? A systematic review [Accessible from the Wiley link on this page]	J Prosthodont 2018 ; 27 (3) : 240-249
Molecular activity and osseointegration after single-dose irradiation: an in vivo study [can be accessed on DOSS free by logging in on this page]	Int J Oral Maxillofac Implants 2017 ; 32 (5) : 1033-1038



IMPLANTS: OSSEOINTEGRATION

Clinical, radiological, and gene expression analyses in smokers and non-smokers, Part 2: RCT on the late healing phase of osseointegration [Accessible from the Wiley link on this page]	Clin Implant Dent Relat Res 2017 ; 19 (5) : 901-915
Dynamics of osseointegration in various human and animal models – a comparative analysis [Accessible from the Wiley link on this page]	Clin Oral Implants Res 2017 ; 28 (6) : 742-748
Efficacy of local and systemic statin delivery on the osseointegration of implants: a systematic review [can be accessed on DOSS free by logging in on this page]	Int J Oral Maxillofac Implants 2017 ; (32) : 497-506
Non-thermal atmospheric pressure plasma functionalized dental implant for enhancement of bacterial resistance and osseointegration [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Dent Mater 2017 ; 33 (3) : 257-270
Effects of different hierarchical hybrid micro/nanostructure surfaces on implant osseointegration [Accessible from the Wiley link on this page]	Clin Implant Dent Relat Res 2017 ; 19(3) : 539-548
“Reverse torque of 30 Ncm applied to dental implants as test for osseointegration” – a human observational study [can be accessed on DOSS free by logging in on this page]	Int J Implant Dent 2016 ; 2 (1) : 26
Evaluation of effects of topical melatonin application on osseointegration of dental implant: an experimental study [Accessible from the Journal of Oral Implantology link on this page]	J Oral Implantol 2016 ; 42(5) : 386-389
Influence of soft tissue thickness on peri-implant marginal bone loss: a systematic review and meta-analysis [Accessible from the Wiley link on this page]	J Periodontol 2016 ; 87 (6) : 690-699
Osseoperception in dental implants: a systematic review [Accessible from the Wiley link on this page]	J Prosthodont 2016 ; 25 (3): 185-195
Effect of poly-L-lysine coating on titanium osseointegration: from characterization to in vivo studies [Accessible from the Journal of Oral Implantology link on this page]	J Oral Implantol 2015 ; 41(6) : 626-631
Establishing and maintaining osseointegration within the functional matrix [can be accessed on DOSS free by logging in on this page]	Int J Perio Restorative Dent 2016 ; 36(1) : 29-37
Effects of nonsteroidal anti-inflammatory drugs on osseointegration: a review [Accessible from the Journal of Oral Implantology link on this page]	J Oral Implantol, 2015 ; 41(2) : 219-230
Osseointegrated implants in vertical ridge augmentation with a nonresorbable membrane: a retrospective study of 75 implants with 1 to 6 years of follow-up [can be accessed on DOSS free by logging in on this page]	Int J Perio Rest Dent, 2015 ; 35(1) : 29-39
Effects of chronic stress and alendronate therapy on the osseointegration of titanium implants [Accessible from the Wiley link on this page]	Clin Imp Dent Rel Res, 2014 ; 16(5) : 762-771
Effect of 50 to 60°C heating on osseointegration of dental implants in dense bone: an <i>in vivo</i> histological study [Accessible from the Implant Dentistry link on this page]	Imp Dent, 2014 ; 23 (5): 516-521



IMPLANTS: OSSEOINTEGRATION

Simplified drilling technique does not decrease dental implant osseointegration: a preliminary report [Accessible from the Wiley link on this page]	J Perio, 2013 ; 84 (11): 1599-1605
Dental implants and single implant-supported restorations	J Irish Dent Ass, 2013 ; 59(1) : 32-43
Osseointegration of dental implants and osteonecrosis of the jaw in patients treated with bisphosphonate therapy: a systematic review [Accessible from the Journal of Oral Implantology link on this page]	J Oral Imp, 2013 ; 39(4) : 510-520
Osseointegration in periodontitis susceptible individuals [Accessible from the Wiley link on this page]	Clin Oral Impl Res 2012 23 (1) 1-4
Human histologic verification of osseointegration of an immediate implant placed into a fresh extraction socket with excessive gap distance without primary flap closure, graft, or membrane: a case report [can be accessed on DOSS free by logging in on this page]	Int J Perio Rest Dent 2011 <u>31</u> (5) : 515-21
Histologic studies on osseointegration: soft tissues response to implant surfaces and components. A review [free to members on Science Direct. If you do not have a login email library@bda.org to request one]	Dental Mater 2011 ; (27) : 53-60
Effect of severe dietary magnesium deficiency on systemic bone density and removal torque of osseointegrated implants [can be accessed on DOSS free by logging in on this page]	Int J Oral Maxillofac Impl 2010 ; 25 (6) : 1125-1130
Mandibular reconstruction with vascularized fibula flap and osseointegrated implants: a clinical report [Accessible from the Journal of Oral Implantology link on this page]	J Oral Implantol 2010 ; 36 (5) : 390-
The effect of thread pattern upon implant osseointegration [Accessible from the Wiley link on this page]	Clin Oral Impl Res 2010 21 (2) 129-136
Optical three-dimensional scanning acquisition of the position of osseointegrated implants: an in vitro study to determine method accuracy and operational feasibility [Accessible from the Wiley link on this page]	Clin Impl Dent Rel Res 2009 (11) 214-221
Massive sublingual haematoma following osseo-integrated implant placement in the anterior mandible [Log in to the BDA home page and follow the link to the BDJ to access]	BDJ 2009 206 (2) 67-68
Osseointegration and dental implant research – contributions from the university of Toronto	J Can Dent Assoc 2008 74(1) 47-50
Type 2 diabetes has minimal effect on osseointegration of titanium implants in <i>Psammomys obesus</i> [Accessible from the Wiley link on this page]	Clin Oral Impl Res 2008; 19 (5) 458-464
Osseointegration and clinical success of zirconia dental implants: a systematic review [can be accessed on DOSS free by logging in on this page]	Int J Prosthodont 2008 21(1) 27-36
Effect of ovariectomy and alendronate on implant osseointegration in rat maxillary bone [Accessible from the Journal of Oral Implantology link on this page]	J Oral Implantol 2008 34(2) 76-82



IMPLANTS: OSSEOINTEGRATION

Effects of implant geometry and surface treatment on osseointegration after functional loading: a dog study [can be accessed on DOSS free by logging in on this page]	J Oral Rehab 2008 35 (3) 229-236
Strategies in reconstruction of the atrophic maxilla with autogenous bone grafts and endosseous implants [Accessible from the Wiley link on this page]	Periodontol 2000 47 (1) 2008 143-161
Soft tissue dehiscence coverage around endosseous implants: a prospective cohort study [Accessible from the Wiley link on this page]	Clin Oral Impl Res 2008 19 (5) 451-457
Failing factors associated with osseointegrated dental implant loss [Accessible from the Implant Dentistry link on this page]	Impl Dent 2007 16 (4) 404-412
A prospective multicenter study using two different surgical approaches in the mandible with turned Branemark implants: conventional loading using fixed prostheses [Accessible from the Wiley link on this page]	Clin Impl Dent Relat Res 2007 9(4) 179-185
Comparison of radiographic bone height assessments in panoramic and intraoral radiographs of implant patients [can be accessed on DOSS free by logging in on this page]	Int J Oral Maxillofac Impl 2007 <u>22</u> (1) : 96-100
A 1- to 12-year clinical evaluation of 106 endosseous implants supporting fixed and removable prostheses [can be accessed on DOSS free by logging in on this page]	Int J Periodontal Restorative Dent 2007 <u>27</u> (4): 358-67