Referenties

1. Camilleri J. Characterization and hydration kinetics of tricalcium silicate cement for use as a dental biomaterial. Dent Mater. 2011 Aug;27(8):836-44.
2. Camilleri J, Sorrentino F, Damidot D. Investigation of the hydration and bioactivity of radiopacified tricalcium silicate cement, Biodentine™ and MTA Angelus. Dent Mater. 2013 May;29(5):580-93.
3. Camilleri J, Kralj P, Veber M, Sinagra E. Characterization and analyses of acid- extractable and leached trace elements in dental cements. Int Endod J. 2012 Aug; 45(8):737-43.
4. Vallés M, Mercadé M, Duran-Sindreu F, Bourdelande JL, Roig M. Influence of light and oxygen on the color stability of five calcium silicate-based materials. J Endod. 2013 Apr;39(4):525-8.
5. Camilleri J. Color stability of white mineral trioxide aggregate in contact with hypochlorite solution. J Endod. 2014 Mar;40(3):436-40.
6. Marciano MA, Duarte MA, Camilleri J. Dental discoloration caused by bismuth oxide in MTA in the presence of sodium hypochlorite. Clin Oral Investig. 2015 Dec;19(9):2201-9.
7. Grech L, Mallia B, Camilleri J. Investigation of the physical properties of tricalcium silicate cement-based root-end filling materials. Dent Mater. 2013 Feb;29(2):e20-8.
8. Kaup M, Schäfer E, Dammaschke T. An in vitro study of different material properties of Biodentine™ compared to ProRoot MTA. Head Face Med. 2015 May 2;11:16.
9. Grech L, Mallia B, Camilleri J. Characterization of set Intermediate Restorative Material, Biodentine™, Bioaggregate and a prototype calcium silicate cement for use as root-end filling materials. Int Endod J. 2013 Jul;46(7):632-41.
10. Camilleri J. Hydration characteristics of Biodentine™ and Theracal used as pulp capping materials. Dent Mater. 2014 Jul;30(7):709-15.
11. Camilleri J, Grech L, Galea K, Keir D, Fenech M, Formosa L, Damidot D, Mallia B. Porosity and root dentine to material interface assessment of calcium silicate-based root-end filling materials. Clin Oral Investig. 2014;18(5):1437-46.
12. Kurun Aksoy M, Tulga Oz F, Orhan K. Evaluation of calcium (Ca2+) and hydroxide (OH-) ion diffusion rates of indirect pulp capping materials. Int J Artif Organs. 2017 Jul 8:0. doi: 10.5301/ijao.5000619. [Epub ahead of print]
13. Arias-Moliz MT, Farrugia C, Lung CYK, Wismayer PS, Camilleri J. Antimicrobial and biological activity of leachate from light curable pulp capping materials. J Dent. 2017 Jun 20. pii: S0300-5712(17)30151-3. doi: 10.1016/j.jdent.2017.06.006. [Epub ahead of print]
14. Gong V, França R. Nanoscale chemical surface characterization of four different types of dental pulp-capping materials. J Dent. 2017 Mar;58:11-18.
15. Katge FA, Patil DP. Comparative Analysis of 2 Calcium Silicate-based Cements (Biodentine™ and Mineral Trioxide Aggregate) as Direct Pulp-capping Agent in Young Permanent Molars: A Split Mouth Study. J Endod. 2017 Apr;43(4):507-513.
16. Kim J, Song YS, Min KS, Kim SH, Koh JT, Lee BN, Chang HS, Hwang IN, Oh WM, Hwang YC.Evaluation of reparative dentin formation of ProRoot MTA, Biodentine™ and BioAggregate using micro-CT and immunohistochemistry. Restor Dent Endod. 2016 Feb;41(1):29-36.
17. Nowicka A, Wilk G, Lipski M, Kołecki J, Buczkowska-Radlińska J. Tomographic Evaluation of Reparative Dentin Formation after Direct Pulp Capping with Ca(OH)2, MTA, Biodentine™, and Dentin Bonding System in Human Teeth. J Endod. 2015 Aug; 41(8):1234-40.
18. Hashem D, Mannocci F, Patel S, Manoharan A, Brown JE, Watson TF, Banerjee A. Clinical and radiographic assessment of the efficacy of calcium silicate indirect pulp capping: a randomized controlled clinical trial. J Dent Res. 2015 Apr;94(4):562-8.
19. Chang SW, Lee SY, Ann HJ, Kum KY, Kim EC. Effects of calcium silicate endodontic cements on biocompatibility and mineralizationinducing potentials in human dental pulp cells. J Endod. 2014 Aug;40(8):1194-200.

20. Luo Z, Kohli MR, Yu Q, Kim S, Qu T, He WX. Biodentine™ induces human dental pulp stem cell differentiation through mitogenactivated protein kinase and calcium-/ calmodulin-dependent protein kinase II pathways. J Endod. 2014 Jul;40(7):937-42.
21. Poggio C, Arciola CR, Beltrami R, Monaco A, Dagna A, Lombardini M, Visai L. Cytocompatibility and antibacterial properties of capping materials. ScientificWorldJournal. 2014;2014:181945.
22. Abdelmegid FY, Salama FS, Al-Mutairi WM, Al-Mutairi SK, Baghazal SO. Effect of different intermediary bases on micro-leakage of a restorative material in Class II box cavities of primary teeth. Int J Artif Organs. 2017 Mar 16;40(2):82-87.
23. Hashem DF, Foxton R, Manoharan A, Watson TF, Banerjee A. The physical characteristics of resin composite-calcium silicate interface as part of a layered/ laminate adhesive restoration. Dent Mater. 2014 Mar;30(3):343-9.
24. Camilleri J. Investigation of Biodentine™ as dentine replacement material. J Dent. 2013 Jul;41(7):600-10.
25. Meraji N, Camilleri J. Bonding over Dentin Replacement Materials. J Endod. 2017 Aug; 43(8):1343-1349.
26. Koubi G, Colon P, Franquin JC, Hartmann A, Richard G, Faure MO, Lambert G. Clinical evaluation of the performance and safety of a new dentine substitute, Biodentine™, in the restoration of posterior teeth - a prospective study. Clin Oral Investig. 2013 Jan;17(1): 243-9.
27. Hebling J, Lessa FC, Nogueira I, Carvalho RM, Costa CA. Cytotoxicity of resin-based light-cured liners. Am J Dent. 2009 Jun;22(3):137-42.
28. Camilleri J, Laurent P, About I. Hydration of Biodentine™, Theracal, and a prototype tricalcium silicate-based dentin replacement material after pulp capping in entire tooth cultures. J Endod. 2014 Nov;40(11):1846-54.
29. Jeanneau C, Laurent P, Rombouts C, Giraud T, About I. Light-cured Tricalcium Silicate Toxicity to the Dental Pulp. J Endod.2017 Dec, volume 43, Issue 12.
30. Bakhtiar H, Nekoofar MH, Aminishakib P, Abedi F, Naghi Moosavi F, Esnaashari E, Azizi A, Esmailian S, Ellini MR, Mesgarzadeh V, Sezavar M, About I. Human Pulp Responses to Partial Pulpotomy-Treatment with Theracal as Compared with Biodentine and ProRoot MTA: A Clinical Trial. J Endod.2017 Nov, Volume 43, Issue 11.
31. Laurent P, Camps J, About I. Biodentine™ induces TGF-β1 release from human pulp cells and early dental pulp mineralization. Int Endod J. 2012 May;45(5):439-48. doi: 10.1111/j.1365-2591.2011.01995.x. Epub 2011 Dec 22.
32. Collado-González M, García-Bernal D, Oñate-Sánchez RE, Ortolani-Seltenerich PS, Álvarez-Muro T, Lozano A, Forner L, Llena C, Moraleda JM, Rodríguez-Lozano FJ. Cytotoxicity and bioactivity of various pulpotomy materials on stem cells from human exfoliated primary teeth. Int Endod J. 2017 Feb 7. doi: 10.1111/iej.12751. [Epub ahead of print]
33. De Rossi A, Silva LA, Gatón-Hernández P, Sousa-Neto MD, Nelson-Filho P, Silva RA, de Queiroz AM. Comparison of pulpal responses to pulpotomy and pulp capping with Biodentine™ and mineral trioxide aggregate in dogs. J Endod. 2014 Sep;40(9):1362-9.
34. Juneja P, Kulkarni S. Clinical and radiographic comparison of Biodentine™, mineral trioxide aggregate and formocresol as pulpotomy agents in primary molars. Eur Arch Paediatr Dent. 2017 Aug 5. doi: 10.1007/s40368-017-0299-3. [Epub ahead of print]
35. El Meligy OA, Allazzam S, Alamoudi NM. Comparison between Biodentine™ and formocresol for pulpotomy of primary teeth: A randomized clinical trial. Quintessence Int. 2016;47(7):571-80.
36. Grewal N, Salhan R, Kaur N, Patel HB. Comparative evaluation of calcium silicate- based dentin substitute (Biodentine™) and calcium hydroxide (pulpdent) in the formation of reactive dentin bridge in regenerative pulpotomy of vital primary teeth: Triple blind, randomized clinical trial. Contemp Clin Dent. 2016 Oct-Dec;7(4):457-463.
37. Togaru H, Muppa R, Srinivas N, Naveen K, Reddy VK, Rebecca VC. Clinical and Radiographic Evaluation of Success of Two commercially Available Pulpotomy Agents in Primary Teeth: An in vivo Study. J Contemp Dent Pract. 2016 Jul 1;17(7):557-63.

38. Rajasekharan S, Martens LC, Vandenbulcke J, Jacquet W, Bottenberg P, Cauwels RG. Efficacy of three different pulpotomy agents in primary molars: a randomized control trial. Int Endod J. 2017 Mar;50(3):215-228.
39. Kusum B, Rakesh K, Richa K. Clinical and radiographical evaluation of mineral trioxide aggregate, Biodentine™ and propolis as pulpotomy medicaments in primary teeth. Restor Dent Endod. 2015 Nov;40(4):276-85.
40. Cuadros-Fernández C, Lorente Rodríguez AI, Sáez-Martínez S, García-Binimelis J, About I, Mercadé M. Short-term treatment outcome of pulpotomies in primary molars using mineral trioxide aggregate and Biodentine™: a randomized clinical trial. Clin Oral Investig. 2016 Sep;20(7):1639-45.
41. Niranjani K, Prasad MG, Vasa AA, Divya G, Thakur MS, Saujanya K. Clinical Evaluation of Success of Primary Teeth Pulpotomy Using Mineral Trioxide Aggregate®, Laser and Biodentine™- an In Vivo Study. J Clin Diagn Res. 2015 Apr;9(4):ZC35-7.
42. Camilleri J. Staining Potential of Neo MTA Plus, MTA Plus, and Biodentine™ Used for Pulpotomy Procedures. J Endod. 2015 Jul;41(7):1139-45.
43. Rehman K, Saunders WP, Foye RH, Sharkey SW. Calcium ion diffusion from calcium hydroxide-containing materials in endodontically-treated teeth: an in vitro study.Int Endod J. 1996:29(4):271-9.
44. Chong BS, Pitt Ford TR.The role of intracanal medication in root canal treatment.Int Endod J. 1992:25(2):97-106.
45. Walia T, Chawla HS, Gauba K. Management of wide open apices in non-vital permanent teeth with Ca(OH)2 paste. J Clin Pediatr Dent. 2000:25(1):51-6.
46. Caronna V, Himel V, Yu Q, Zhang JF, Sabey K. Comparison of the surface hardness among 3 materials used in an experimental apexification model under moist and dry environments. J Endod. 2014 Jul;40(7):986-9. doi: 10.1016/j.joen.2013.12.005. Epub 2014 Jan 17.
47. Simon S, Rilliard F, Berdal A, Machtou P. The use of mineral trioxide aggregate in one- visit apexification treatment: a prospective study.Int Endod J. 2007:40(3):186-97.
48. Khetarpal A, Chaudhary S, Talwar S, Verma M. Endodontic management of open apex using Biodentine™ as a novel apical matrix. Indian J Dent Res. 2014:25(4):513-6.
49. Bajwa NK, Jingarwar MM, Pathak A. Single Visit Apexification Procedure of a Traumatically Injured Tooth with a Novel Bioinductive Material (Biodentine™). Int J Clin Pediatr Dent. 2015:8(1):58-61.
50. Martens L, Rajasekharan S, Cauwels R. Endodontic treatment of trauma-induced necrotic immature teeth using a tricalcium silicate-based bioactive cement. A report of 3 cases with 24-month follow-up. Eur J Paediatr Dent. 2016:17(1):24-8.
51. Vidal K, Martin G, Lozano O, Salas M, Trigueros J, Aguilar G. Apical Closure in Apexification: A Review and Case Report of Apexification Treatment of an Immature Permanent Tooth with Biodentine™. J Endod. 2016:42(5):730-4.
52. Evren OK, Altunsoy M, Tanriver M, Capar ID, Kalkan A, Gok T. Fracture resistance of simulated immature teeth after apexification with calcium silicate-based materials. Eur J Dent. 2016:10(2):188-92.
53. Niranjan B, Shashikiran ND, Dubey A, Singla S, Gupta N. Biodentine™-A New Novel Bio- Inductive Material For Treatment of Traumatically Injured Tooth (Single Visit Apexification). J Clin Diagn Res. 2016:10(9):ZJ03-ZJ04.
54. Schembri Wismayer P, Camilleri J, Why biphasic? Assessment of the effect on cell proliferation and expression. J. Endod. 2017 43(5):751-759.
55. Camilleri J, Sorrentino F, Damidot D. Characterization of un-hydrated and hydrated BioAggregate™ and MTA Angelus™. Clin Oral Investig. 2015 Apr;19(3):689-98.
56. Bakhtiar H, Esmaeili S, Fakhr Tabatabayi S, Ellini MR, Nekoofar MH, Dummer PM. Second-generation Platelet Concentrate (Platelet-rich Fibrin) as a Scaffold in Regenerative Endodontics: A Case Series. J Endod. 2017 Mar;43(3):401-408.
57. Topçuoğlu G, Topçuoğlu HS. Regenerative Endodontic Therapy in a Single Visit Using Platelet-rich Plasma and Biodentine™ in Necrotic and Asymptomatic Immature Molar Teeth: A Report of 3 Cases. J Endod. 2016 Sep;42(9):1344-6.

58. Khoshkhounejad M, Shokouhinejad N, Pirmoazen S. Regenerative Endodontic Treatment: Report of Two Cases with Different Clinical Management and Outcomes. J Dent (Tehran). 2015 Jun;12(6):460-8.
59. Elnaghy AM, Elsaka SE. Fracture resistance of simulated immature teeth filled with Biodentine™ and white mineral trioxide aggregate - an in vitro study. Dent Traumatol. 2016 Apr;32(2):116-20.
60. Yoldaş SE, Bani M, Atabek D, Bodur H. Comparison of the Potential Discoloration Effect of Bioaggregate, Biodentine™, and White Mineral Trioxide Aggregate on Bovine Teeth: In Vitro Research. J Endod. 2016 Dec;42(12):1815-1818. doi: 10.1016/j.joen. 2016.08.020. Epub 2016 Oct 21.
61. Subramanyam D, Vasantharajan M. Effect of Oral Tissue Fluids on Compressive Strength of MTA and Biodentine™: An In vitro Study. J Clin Diagn Res. 2017 Apr; 11(4):ZC94-ZC96.
62. Akcay H, Arslan H, Akcay M, Mese M, Sahin NN. Evaluation of the bond strength of root-end placed mineral trioxide aggregate and Biodentine™ in the absence/presence of blood contamination. Eur J Dent. 2016 Jul-Sep;10(3):370-5.
63. Tsesis I, Elbahary S, Venezia NB, Rosen E. Bacterial colonization in the apical part of extracted human teeth following root-end resection and filling: a confocal laser scanning microscopy study. Clin Oral Investig. 2017 Mar 28. doi: 10.1007/ s00784-017-21071. [Epub ahead of print]
64. Escobar-García DM, Aguirre-López E, Méndez-González V, Pozos-Guillén A. Cytotoxicity and Initial Biocompatibility of Endodontic Biomaterials (MTA and Biodentine™) Used as Root-End Filling Materials. Biomed Res Int. 2016;2016:7926961.
65. Silva LAB, Pieroni KAMG, Nelson-Filho P, Silva RAB, Hernandéz-Gatón P, Lucisano MP, Paula-Silva FWG, de Queiroz AM. Furcation Perforation: Periradicular Tissue Response to Biodentine™ as a Repair Material by Histopathologic and Indirect Immunofluorescence Analyses. J Endod. 2017 Jul;43(7):1137-1142.
66. Katge FA, Shivasharan PR, Patil D. Sealing ability of mineral trioxide aggregate Plus™ and Biodentine™ for repair of furcal perforation in primary molars: An in vitro study. Contemp Clin Dent. 2016 Oct-Dec;7(4):487-492.
67. Sinkar RC, Patil SS, Jogad NP, Gade VJ. Comparison of sealing ability of ProRoot MTA, RetroMTA, and Biodentine™ as furcation repair materials: An ultraviolet spectrophotometric analysis. J Conserv Dent. 2015 Nov-Dec;18(6):445-8.
68. Aggarwal V, Singla M, Miglani S, Kohli S. Comparative evaluation of push-out bond strength of ProRoot MTA, Biodentine™, and MTA Plus in furcation perforation repair. J Conserv Dent. 2013 Sep;16(5):462-5.
69. Guneser MB, Akbulut MB, Eldeniz AU. Effect of various endodontic irrigants on the push-out bond strength of Biodentine™ and conventional root perforation repair materials. J Endod. 2013 Mar;39(3):380-4.