

THE AMERICAN BOARD OF ORTHODONTICS WRITTEN EXAMINATION READING LIST 2022

The objective of this reading list is to offer the practicing orthodontist a list of references, which may serve as a source of knowledge in preparing for certification. This reading list includes papers of historical as well as scientific interest. It is intended to give the orthodontist a broad perspective of the changing world of orthodontic theory and practice. It should be clearly understood that a bibliography, such as this, is not all encompassing and does not remain static. It will be continuously subject to additions and deletions. Whenever possible, links to the resource, full text or article abstracts are provided. *If you or your school are not subscribers to the journals included on this reading list, it may be possible to purchase single article access through the publisher. The ABO and/or AAO library cannot provide the full text if the article or journal is not open access.*

The American Board of Orthodontics does not consider any of the articles and/or texts to contain the indisputable answer to any questions within the field of orthodontics. Examinees are responsible for the content of the entire reading list, even though some references may not be represented by an exam question. Current literature and textbooks on orthodontics may be studied in addition to the suggested references.

RESOURCES

1. American Heart Association: 2020 American Heart Association Guidelines for CPR and ECC, <https://cpr.heart.org/en/resuscitation-science/cpr-and-ecc-guidelines>; Accessed August 2, 2021.
2. Berridge NL, Burke GAE, Reynolds PA, et al: 3D Head & Neck Anatomy for Dentistry, Primal Pictures Ltd, 2009. **(Or any contemporary anatomy resource)**
Use this link to obtain discounted access for six months:
<https://www.primalpictures.com/adoptions/abo/>
3. Centers for Disease Control and Prevention: Guidelines for Disinfection and Sterilization in Healthcare Facilities 2008, <https://www.cdc.gov/infectioncontrol/guidelines/disinfection/>; Accessed August 2, 2021.
4. The American Board of Orthodontics, <https://www.americanboardortho.com/>; Accessed August 2, 2021.

TEXTBOOKS

1. English JD, Akyalcin S, Peltomaki T, et al: Mosby's Orthodontic Review, ed. 2, Mosby, 2015.
2. Graber L, Vanarsdall R, Vig KWL, Huang GJ: Orthodontics: Current Principles and Techniques, ed. 6, Mosby, 2017.
3. Jacobson A and Jacobson RL: Radiographic Cephalometry: From Basics to 3-D Imaging, ed. 2, Quintessence, 2007.
4. Nanci A: Ten Cate's Oral Histology: Development, Structure, and Function, ed. 9, Mosby, 2018.
5. Neville BW, Damm DE, Allen CM, et al: Oral and Maxillofacial Pathology, ed. 4, Elsevier, 2016.
6. Okeson JP: Management of Temporomandibular Disorders and Occlusion, ed. 8, Elsevier, 2019.
7. Proffit WR, Fields HW, Larson BE, et al: Contemporary Orthodontics, ed. 6, Elsevier, 2019.
8. Proffit WR, White L, Sarver DL: Contemporary Treatment of Dentofacial Deformity, Mosby, 2003.
9. Rule JT and Veatch RM: Ethical Questions in Dentistry, ed. 2, Quintessence, 2019.
10. Sperber GH and Sperber SM: Craniofacial Embryogenetics and Development, ed. 3, PMPH, 2019.
11. Standring S: Gray's Anatomy: The Anatomical Basis of Clinical Practice, ed. 42, Elsevier, 2021.
(Or any contemporary anatomy textbook)

JOURNAL ARTICLES

AMERICAN JOURNAL OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS

1. Ahn HW, Seo DH, Kim SH, et al: Morphologic evaluation of dentoalveolar structures of mandibular anterior teeth during augmented corticotomy-assisted decompensation. American Journal of Orthodontics and Dentofacial Orthopedics 150(4):659-669, October 2016.
[https://www.ajodo.org/article/S0889-5406\(16\)30265-7/fulltext](https://www.ajodo.org/article/S0889-5406(16)30265-7/fulltext) **NEW**
2. Armstrong MM: Controlling the magnitude, direction, and duration of extraoral force. American Journal of Orthodontics and Dentofacial Orthopedics 59(3):217-242, March 1971.
[https://www.ajodo.org/article/0002-9416\(71\)90097-2/fulltext](https://www.ajodo.org/article/0002-9416(71)90097-2/fulltext) **NEW**
3. Bartzela T, Türp JC, Motschall E, et al: Medication effects on the rate of orthodontic tooth movement: a systematic literature review. American Journal of Orthodontics and Dentofacial Orthopedics 135(1):16-26, January 2009.
[https://www.ajodo.org/article/S0889-5406\(08\)00885-8/fulltext](https://www.ajodo.org/article/S0889-5406(08)00885-8/fulltext) **NEW**
4. Becker A and Chaushu S: Etiology of maxillary canine impaction: a review. American Journal of Orthodontics and Dentofacial Orthopedics 148(4):557-567, October 2015.
[https://www.ajodo.org/article/S0889-5406\(15\)00842-2/abstract](https://www.ajodo.org/article/S0889-5406(15)00842-2/abstract)
5. Behrents RG, Valanju Shelgikar A, Conley RS, et al: Obstructive sleep apnea and orthodontics: an American Association of Orthodontists white paper. American Journal of Orthodontics and Dentofacial Orthopedics 156(1):13-28.e1, July 2019.
[https://www.ajodo.org/article/S0889-5406\(19\)30278-1/fulltext](https://www.ajodo.org/article/S0889-5406(19)30278-1/fulltext)
6. Brennan MM and Gianelly AA: The use of the lingual arch in the mixed dentition to resolve incisor crowding. American Journal of Orthodontics and Dentofacial Orthopedics 117(1):81-85, January 2000.
[https://www.ajodo.org/article/S0889-5406\(00\)70252-6/fulltext](https://www.ajodo.org/article/S0889-5406(00)70252-6/fulltext)
7. Bishara SE, Hoppens BJ, Jakobsen JR, et al: Changes in the molar relationship between the deciduous and permanent dentitions: a longitudinal study. American Journal of Orthodontics and Dentofacial Orthopedics 93(1):19-28, January 1988.
[https://www.ajodo.org/article/0889-5406\(88\)90189-8/fulltext](https://www.ajodo.org/article/0889-5406(88)90189-8/fulltext)
8. Bishara SE, Khadivi P, Jakobsen JR: Changes in tooth size-arch length relationship from the deciduous to the permanent dentition: a longitudinal study. American Journal of Orthodontics and Dentofacial Orthopedics 108(6):607-613, December 1995.
[https://www.ajodo.org/article/S0889-5406\(95\)70006-4/abstract](https://www.ajodo.org/article/S0889-5406(95)70006-4/abstract)
9. Björk A and Skieller V: Facial development and tooth eruption: an implant study at the age of puberty. American Journal of Orthodontics and Dentofacial Orthopedics 62(4):339-383, October 1972.
[https://www.ajodo.org/article/S0002-9416\(72\)90277-1/pdf](https://www.ajodo.org/article/S0002-9416(72)90277-1/pdf)
10. Chae JM, Park JH, Kojima Y, et al: Biomechanical analysis for total distalization of the mandibular dentition: a finite element study. American Journal of Orthodontics and Dentofacial Orthopedics 155(3):388-397, March 2019.
[https://www.ajodo.org/article/S0889-5406\(18\)31032-1/fulltext](https://www.ajodo.org/article/S0889-5406(18)31032-1/fulltext) **NEW**

11. Chen Y, Kyung HM, Zhao WT, et al: Critical factors for the success of orthodontic mini-implants: a systematic review. American Journal of Orthodontics and Dentofacial Orthopedics 135(3):284-291, March 2009.

[https://www.ajodo.org/article/S0889-5406\(08\)00860-3/abstract](https://www.ajodo.org/article/S0889-5406(08)00860-3/abstract)

12. Ciarlantini R and Melsen B: Semipermanent replacement of missing maxillary lateral incisors by mini-implant retained pontics: a follow-up study. American Journal of Orthodontics and Dentofacial Orthopedics 151(5):989-994, May 2017.

[https://www.ajodo.org/article/S0889-5406\(17\)30092-6/abstract](https://www.ajodo.org/article/S0889-5406(17)30092-6/abstract)

13. De Praeter J, Dermaut L, Martens G, et al: Long-term stability of the leveling of the curve of Spee. American Journal of Orthodontics and Dentofacial Orthopedics 121(3):266-272, March 2002.

[https://www.ajodo.org/article/S0889-5406\(02\)80570-4/fulltext](https://www.ajodo.org/article/S0889-5406(02)80570-4/fulltext) **NEW**

14. Elshebiny T, Palomo JM, Baumgartel S: Anatomic assessment of the mandibular buccal shelf for mini screw insertion in white patients. American Journal of Orthodontics and Dentofacial Orthopedics 153(4):505-511, April 2018.

[https://www.ajodo.org/article/S0889-5406\(17\)31031-4/abstract](https://www.ajodo.org/article/S0889-5406(17)31031-4/abstract)

15. Ghoneima A, Abdel-Fattah E, Hartsfield J, et al: Effects of rapid maxillary expansion on the cranial and circummaxillary sutures. American Journal of Orthodontics and Dentofacial Orthopedics 140(4):510-519, October 2011.

[https://www.ajodo.org/article/S0889-5406\(11\)00626-3/abstract](https://www.ajodo.org/article/S0889-5406(11)00626-3/abstract)

16. Houston WJB: The analysis of errors in orthodontic measurements. American Journal of Orthodontics and Dentofacial Orthopedics 83(5):382-390, May 1983.

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17. Katzberg RW, Westesson PL, Tallents RH, et al: Orthodontics and temporomandibular joint internal derangement. American Journal of Orthodontics and Dentofacial Orthopedics 109(5):515-520, May 1996.

[https://www.ajodo.org/article/S0889-5406\(96\)70136-1/abstract](https://www.ajodo.org/article/S0889-5406(96)70136-1/abstract)

18. Khosravi R, Cohan B, Hujoel P, et al: Management of overbite with the Invisalign appliance. American Journal of Orthodontics and Dentofacial Orthopedics 151(4):691-699.e2, April 2017.

[https://www.ajodo.org/article/S0889-5406\(16\)30886-1/abstract](https://www.ajodo.org/article/S0889-5406(16)30886-1/abstract)

19. Kim MR, Graber TM, Viana MA: Orthodontics and temporomandibular disorder: a meta-analysis. American Journal of Orthodontics and Dentofacial Orthopedics 121(5):438-446, May 2002.

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20. Kokich VG: Surgical and orthodontic management of impacted maxillary canines. American Journal of Orthodontics and Dentofacial Orthopedics 126(3):278-283, September 2004.

[https://www.ajodo.org/article/S0889-5406\(04\)00526-8/fulltext](https://www.ajodo.org/article/S0889-5406(04)00526-8/fulltext) **NEW**

21. Kokich VG and Kokich VO: Congenitally missing mandibular second premolars: clinical options. American Journal of Orthodontics and Dentofacial Orthopedics 130(4):437-444, October 2006.

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22. Kokich VO, Kinzer GA, Janakievski J: Congenitally missing maxillary lateral incisor: restorative replacement. American Journal of Orthodontics and Dentofacial Orthopedics 139(4): 435-439, April 2011.

[https://www.ajodo.org/article/S0889-5406\(11\)00088-6/abstract](https://www.ajodo.org/article/S0889-5406(11)00088-6/abstract)

23. Meister M, Masella R, Jerrold L: An ethical dilemma: litigation, legislation, and ethics. American Journal of Orthodontics and Dentofacial Orthopedics 114(3):358-360, September 1998.

[https://www.ajodo.org/article/S0889-5406\(98\)70076-9/abstract](https://www.ajodo.org/article/S0889-5406(98)70076-9/abstract)

24. Meyer M and Nelson G: Preadjusted edgewise appliances: theory and practice. American Journal of Orthodontics and Dentofacial Orthopedics 73(5):485-498, May 1978.

[https://www.ajodo.org/article/0002-9416\(78\)90239-7/pdf](https://www.ajodo.org/article/0002-9416(78)90239-7/pdf)

25. Molen AD: Considerations in the use of cone-beam computed tomography for buccal bone measurements. American Journal of Orthodontics and Dentofacial Orthopedics 137(4 Suppl): S130-135, April 2010.

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26. Nevant CT, Buschang PH, Alexander RG, et al: Lip bumper therapy for gaining arch length. American Journal of Orthodontics and Dentofacial Orthopedics 100(4):330-336, October 1991.

[https://www.ajodo.org/article/0889-5406\(91\)70070-D/pdf](https://www.ajodo.org/article/0889-5406(91)70070-D/pdf)

27. Okeson JP: Evolution of occlusion and temporomandibular disorder in orthodontics: past, present, and future. American Journal of Orthodontics and Dentofacial Orthopedics 147(5 Suppl): S216-S223, May 2015.

[https://www.ajodo.org/article/S0889-5406\(15\)00107-9/fulltext](https://www.ajodo.org/article/S0889-5406(15)00107-9/fulltext)

28. Rinchuse DJ, Kandasamy S, Sciote J: A contemporary and evidence-based view of canine protected occlusion. American Journal of Orthodontics and Dentofacial Orthopedics 132(1):90-102, July 2007.

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29. Rinchuse DJ and McMinn JT: Summary of evidence-based systematic reviews of temporomandibular disorders. American Journal of Orthodontics and Dentofacial Orthopedics 130(6):715-720, December 2006.

[https://www.ajodo.org/article/S0889-5406\(06\)00822-5/abstract](https://www.ajodo.org/article/S0889-5406(06)00822-5/abstract)

30. Roscoe MG, Meira JBC, Cattaneo PM: Association of orthodontic force system and root resorption: a systematic review. American Journal of Orthodontics and Dentofacial Orthopedics 147(5):610-626, May 2015.

[https://www.ajodo.org/article/S0889-5406\(15\)00082-7/fulltext](https://www.ajodo.org/article/S0889-5406(15)00082-7/fulltext) **NEW**

31. Sankey WL, Buschang PH, English J, Owen AH. Early treatment of vertical skeletal dysplasia: the hyperdivergent phenotype. American Journal of Orthodontics and Dentofacial Orthopedics 118(3):317-327, September 2000.

[https://www.ajodo.org/article/S0889-5406\(00\)62727-0/fulltext](https://www.ajodo.org/article/S0889-5406(00)62727-0/fulltext) **NEW**

32. Sarver DM: The importance of incisor positioning in the esthetic smile: the smile arc. American Journal of Orthodontics and Dentofacial Orthopedics 120(2):98-111, August 2001.

[https://www.ajodo.org/article/S0889-5406\(01\)32448-4/fulltext](https://www.ajodo.org/article/S0889-5406(01)32448-4/fulltext)

33. Scheffler NR, Proffit WR, Phillips C: Outcomes and stability in patients with anterior open bite and long anterior face height treated with temporary anchorage devices and a maxillary intrusion splint. American Journal of Orthodontics and Dentofacial Orthopedics 146(5):594– 602, November 2014.

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34. Smithpeter J, Covell D: Relapse of anterior open bites treated with orthodontic appliances with and without orofacial myofunctional therapy. American Journal of Orthodontics and Dentofacial Orthopedics 137(5):605-614, May 2010.

[https://www.ajodo.org/article/S0889-5406\(09\)01331-6/fulltext](https://www.ajodo.org/article/S0889-5406(09)01331-6/fulltext) **NEW**

35. Sperry TP, Steinberg MJ, Gans BJ: Mandibular movement during autorotation as a result of maxillary impaction surgery. American Journal of Orthodontics and Dentofacial Orthopedics 81(2): 116–123, February 1982.

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36. Stephens CK, Boley JC, Behrents RG, et al: Long-term profile changes in extraction and nonextraction patients. American Journal of Orthodontics and Dentofacial Orthopedics 128(4):450-457, October 2005.

[https://www.ajodo.org/article/S0889-5406\(05\)00433-6/fulltext](https://www.ajodo.org/article/S0889-5406(05)00433-6/fulltext) **NEW**

37. Suri L, Gagari E, Vastardis H: Delayed tooth eruption: pathogenesis, diagnosis, and treatment. A literature review. American Journal of Orthodontics and Dentofacial Orthopedics 126(4):432-445, October 2004.

[https://www.ajodo.org/article/S0889-5406\(04\)00530-X/abstract](https://www.ajodo.org/article/S0889-5406(04)00530-X/abstract)

38. Tasaki MM, Westesson PL, Isberg AM, et al: Classification and prevalence of temporomandibular joint displacement in patients and symptom-free volunteers. American Journal of Orthodontics and Dentofacial Orthopedics 109(3):249-262, March 1996.

[https://www.ajodo.org/article/S0889-5406\(96\)70148-8/abstract](https://www.ajodo.org/article/S0889-5406(96)70148-8/abstract)

39. Tsolakis AI, Kalavritinos M, Bitsanis E, et al: Reliability of different radiographic methods for the localization of displaced maxillary canines. American Journal of Orthodontics and Dentofacial Orthopedics 153(2):308-314, February 2018.

[https://www.ajodo.org/article/S0889-5406\(17\)30857-0/fulltext](https://www.ajodo.org/article/S0889-5406(17)30857-0/fulltext) **NEW**

40. Tulloch JFC, Proffit WR, Phillips C: Influences on the outcome of early treatment for Class II malocclusion. American Journal of Orthodontics and Dentofacial Orthopedics 111(5):533-542, May 1997.

[https://www.ajodo.org/article/S0889-5406\(97\)70290-7/fulltext](https://www.ajodo.org/article/S0889-5406(97)70290-7/fulltext) **NEW**

41. Tulloch JFC, Proffit WR, Phillips C: Outcomes in a 2-phase randomized clinical trial of early class II treatment. American Journal of Orthodontics and Dentofacial Orthopedics 125(6):657- 667, June 2004.

[https://www.ajodo.org/article/S0889-5406\(04\)00160-X/abstract](https://www.ajodo.org/article/S0889-5406(04)00160-X/abstract)

42. Viglianisi A: Effects of lingual arch used as space maintainer on mandibular arch dimension: a systemic review. American Journal of Orthodontics and Dentofacial Orthopedics 138(4):382.e1-382.e4, October 2010.

[https://www.ajodo.org/article/S0889-5406\(10\)00488-9/fulltext](https://www.ajodo.org/article/S0889-5406(10)00488-9/fulltext)

43. Wang X, Wang B, Wang Y: Antibacterial orthodontic cement to combat biofilm and white spot lesions. American Journal of Orthodontics and Dentofacial Orthopedics 148(6):974-981, December 2015.

[https://www.ajodo.org/article/S0889-5406\(15\)00997-X/abstract](https://www.ajodo.org/article/S0889-5406(15)00997-X/abstract)

44. Weltman B, Vig KWL, Fields HW, et al: Root resorption associated with orthodontic tooth movement: a systematic review. American Journal of Orthodontics and Dentofacial Orthopedics 137(4):462-476, April 2010.

[https://www.ajodo.org/article/S0889-5406\(09\)01222-0/abstract](https://www.ajodo.org/article/S0889-5406(09)01222-0/abstract)

45. Wilmes B, Tarraf N, Drescher D: Treatment of maxillary transversal deficiency by using a mini-implant-borne rapid maxillary expander and aligners in combination. American Journal of Orthodontics and Dentofacial Orthopedics 160(1):147-154, July 2021.

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46. Wood R, Sun Z, Chaudhry J, et al: Factors affecting the accuracy of buccal alveolar bone height measurements from cone-beam computed tomography images. American Journal of Orthodontics and Dentofacial Orthopedics 143(3):353-363, March 2013.

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47. Zahrowski JJ: Biphosphonate treatment: an orthodontic concern calling for a proactive approach. American Journal of Orthodontics and Dentofacial Orthopedics 31(3):311-320, March 2007.

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DENTAL CLINICS OF NORTH AMERICA

48. Scarfe WC and Farman AG: What is cone-beam CT and how does it work? Dental Clinics of North America 52(4):707-730, October 2008.

[https://www.dental.theclinics.com/article/S0011-8532\(08\)00044-X/abstract](https://www.dental.theclinics.com/article/S0011-8532(08)00044-X/abstract)

DENTAL TRAUMATOLOGY

49. Tronstad L: Root resorption-etiology, terminology, and clinical manifestations. Dental Traumatology 4(6):241-252, December 1988.

<https://onlinelibrary.wiley.com/doi/epdf/10.1111/j.1600-9657.1988.tb00642.x>

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50. Jiang RP, McDonald JP, Fu MK: Root resorption before and after orthodontic treatment: a clinical study of contributory factors. *European Journal of Orthodontics* 32(6):693–697, December 2010.

<https://academic.oup.com/ejo/article/32/6/693/491955?searchresult=1> **NEW**

51. Mutinelli S, Manfredi M, Cozzani M: A mathematic-geometric model to calculate variation in mandibular arch form. *European Journal of Orthodontics* 22(2):113-125, April 2000.

<https://academic.oup.com/ejo/article/22/2/113/528273>

52. Robertsson S and Mohlin B: The congenitally missing upper lateral incisor. A retrospective study of orthodontic space closure versus restorative treatment. *European Journal of Orthodontics* 22(6):697-710, December 2000.

<https://pubmed.ncbi.nlm.nih.gov/11212605/>

53. Schlicher W, Nielsen I, Huang JC, et al: Consistency and precision in landmark identification in three-dimensional cone beam computed tomography scans. *European Journal of Orthodontics* 34(3):263-275, June 2012.

<https://academic.oup.com/ejo/article/34/3/263/424115>

INTERNATIONAL JOURNAL OF CLINICAL PREVENTIVE DENTISTRY

54. Mittal R, Relhan N, Tangri T: Remineralizing agents: a comprehensive review. *International Journal of Clinical Preventive Dentistry* 13(1):1-4, March 2017.

<http://pdf.medrang.co.kr/Ijcpd2/2017/013/Ijcpd013-01-01.pdf>

INTERNATIONAL JOURNAL OF PAEDIATRIC DENTISTRY

55. Van Gorp G, Bormans N, Vanham I, et al: Orthodontic treatment recommendation and expected adverse reactions in patients with a history of dental trauma: A survey among general dentists, paediatric dentists, and orthodontic specialists. *International Journal of Paediatric Dentistry* 30(3):360-369, May 2020.

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INTERNATIONAL JOURNAL OF PROSTHODONTICS

56. Jemt T, Ahlberg G, Henriksson K, et al: Changes of anterior clinical crown height in patients provided with single-implant restorations after more than 15 years of follow -up. *International Journal of Prosthodontics* 19(5):455-461, September/October 2006.

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JOURNAL OF CLINICAL ORTHODONTICS

57. Gupta B, Singh S, Tallents RH, et al: Effects of bisphosphonates on orthodontic treatment and the TMJ: a systemic review. *Journal of Clinical Orthodontics* 51(8):471-478, August 2017.

<https://www.jco-online.com/archive/2017/08/471-overview-effects-of-bisphosphonates-on-orthodontic-treatment-and-the-tmj-a-systematic-review/>

JOURNAL OF CLINICAL PERIODONTOLOGY

58. Zambon J: Actinobacillus actinomycetemcomitans in human periodontal disease. Journal of Clinical Periodontology 12(1):1-20, January 1985.

<https://onlinelibrary.wiley.com/doi/10.1111/j.1600-051X.1985.tb01348.x> **NEW**

JOURNAL OF ENDODONTICS

59. Patel S, Ricucci D, Durak C, et al: Internal root resorption: a review. Journal of Endodontics 36(7):1107-1121, July 2010.

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JOURNAL OF ESTHETIC AND RESTORATIVE DENTISTRY

60. Kinzer GA and Kokich VO: Managing congenitally missing lateral incisors. Part III: single-tooth implants. Journal of Esthetic and Restorative Dentistry 17(4):202-210, 2005.

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JOURNAL OF PERIODONTOLOGY

62. Tarnow DP, Magner AW, Fletcher P: The effect of the distance from the contact point to the crest of bone on the presence or absence of the interproximal dental papilla. Journal of Periodontology 63(12):995-996, December 1992.

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JOURNAL OF PROSTHETIC DENTISTRY

63. Holmgren K, Sheikholeslam A, Riise C: Effect of a full-arch maxillary occlusal splint on parafunctional activity during sleep in patients with nocturnal bruxism and signs and symptoms of craniomandibular disorders. Journal of Prosthetic Dentistry 69(3):293-297, March 1993.

[https://www.thejpd.org/article/0022-3913\(93\)90109-2/abstract](https://www.thejpd.org/article/0022-3913(93)90109-2/abstract)

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