

# THE AMERICAN BOARD OF ORTHODONTICS

## WRITTEN EXAMINATION

### READING LIST 2021

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: CPR & First Aid Emergency Cardiovascular Care, <https://eccguidelines.heart.org/circulation/cpr-ecc-guidelines/>; Accessed August 5, 2020.
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/adoption/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 5, 2020.
4. Centers for Disease Control and Prevention: Vaccine Information for Adults, <https://www.cdc.gov/vaccines/schedules/hcp/imz/adult.html#table-age>; Accessed August 5, 2020.
5. The American Board of Orthodontics, <https://www.americanboardortho.com/>; Accessed August 5, 2020.

## 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. Moore DS, McCabe GP, Craig BA: Introduction to the Practice of Statistics, ed 9, WH Freeman, 2017.
5. Nanci A: Ten Cate's Oral Histology: Development, Structure, and Function, ed 9, Mosby, 2018.
6. Neville BW, Damm DE, Allen CM, et al: Oral and Maxillofacial Pathology, ed 4, Elsevier, 2016.
7. Okeson JP: Management of Temporomandibular Disorders and Occlusion, ed 8, Elsevier, 2019.
8. Proffit WR, Fields HW, Larson BE, et al: Contemporary Orthodontics, ed 6, Elsevier, 2019.
9. Proffit WR, White L, Sarver DL: Contemporary Treatment of Dentofacial Deformity, Mosby, 2003.
10. Rule JT and Veatch RM: Ethical Questions in Dentistry, ed 2, Quintessence, 2019.
11. Sperber GH and Sperber SM: Craniofacial Embryogenetics and Development, ed 3, PMPH USA Ltd, 2019.
12. Standring S (ed): Gray's Anatomy: The Anatomical Basis of Clinical Practice, ed 41, Elsevier, 2016. **(Or any contemporary anatomy textbook)**

## JOURNAL ARTICLES

### *Advances in Clinical Chemistry*

1. Song L: Calcium and bone metabolism indices. *Advances in Clinical Chemistry* 82: 1-46, 2017.

<https://www.sciencedirect.com/science/article/pii/S0065242317300471>

### *American Journal of Orthodontics and Dentofacial Orthopedics*

2. Armas Galindo HR, Sadowsky PL, Vlachos C, et al: An in vivo comparison between a visible light-cured bonding system and a chemically cured bonding system. *American Journal of Orthodontics and Dentofacial Orthopedics* 113(3): 271-275, March 1998.

[https://www.ajodo.org/article/S0889-5406\(98\)70296-3/abstract](https://www.ajodo.org/article/S0889-5406(98)70296-3/abstract)

3. 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)

4. 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/abstract](https://www.ajodo.org/article/S0889-5406(19)30278-1/abstract)

5. 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) **NEW**

6. 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)

7. 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)

8. 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)

9. 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)

10. 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)
11. Dowling PA, Espeland L, Sandvik L, et al: LeFort I maxillary advancement: 3-year stability and risk factors for relapse. *American Journal of Orthodontics and Dentofacial Orthopedics* 128(5): 560-567, November 2005.  
[https://www.ajodo.org/article/S0889-5406\(05\)00846-2/fulltext](https://www.ajodo.org/article/S0889-5406(05)00846-2/fulltext) **NEW**
12. 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)
13. 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)
14. Gul Amuk N, Baysal A, Coskun R, et al: Effectiveness of incremental vs maximum bite advancement during Herbst appliance therapy in late adolescent and young adult patients. *American Journal of Orthodontics and Dentofacial Orthopedics* 155(1): 48-56, January 2019.  
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15. Huang H, Williams RC, Kyrkanides S: Accelerated orthodontic tooth movement: molecular mechanisms. *American Journal of Orthodontics and Dentofacial Orthopedics* 146(5): 620-632, November 2014.  
[https://www.ajodo.org/article/S0889-5406\(14\)00687-8/abstract](https://www.ajodo.org/article/S0889-5406(14)00687-8/abstract)
16. Irani SK, Oliver DR, Movahed R, et al: Pharyngeal airway evaluation after isolated mandibular setback surgery using cone-beam computed tomography. *American Journal of Orthodontics and Dentofacial Orthopedics* 153(1): 46-53, January 2018.  
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17. Janson G, Sathler R, Freire Fernandes TM, et al: Correction of Class II malocclusion with Class II elastics: a systematic review. *American Journal of Orthodontics and Dentofacial Orthopedics* 143(3): 383-392, March 2013.  
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18. 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)

19. 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)
20. 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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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.  
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23. Melsen B, Agerbaek M, Erikson J, et al: New attachment through periodontal treatment and orthodontic intrusion. *American Journal of Orthodontics and Dentofacial Orthopedics* 94(2): 104-116, August 1988.  
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[https://www.ajodo.org/article/0002-9416\(78\)90239-7/pdf](https://www.ajodo.org/article/0002-9416(78)90239-7/pdf)
26. 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.  
[https://www.ajodo.org/article/S0889-5406\(10\)00032-6/abstract](https://www.ajodo.org/article/S0889-5406(10)00032-6/abstract)
27. Moss ML and Salentijn L: The primary role of functional matrices in facial growth. *American Journal of Orthodontics and Dentofacial Orthopedics* 55(6): 566-577, June 1969.  
[https://www.ajodo.org/article/0002-9416\(69\)90034-7/pdf](https://www.ajodo.org/article/0002-9416(69)90034-7/pdf)
28. 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)

29. 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)
30. Patcas R, Müller L, Ullrich O, et al: Accuracy of cone-beam computed tomography at different resolutions assessed on the bony covering of the mandibular anterior teeth. *American Journal of Orthodontics and Dentofacial Orthopedics* 141(1): 41-50, January 2012.  
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[https://www.ajodo.org/article/S0889-5406\(06\)01332-1/fulltext](https://www.ajodo.org/article/S0889-5406(06)01332-1/fulltext) **NEW**
32. 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.  
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33. 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) **NEW**
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36. 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)
37. 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.  
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38. 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.

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39. 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) **NEW**

40. 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.

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41. 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.

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42. 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.

[https://www.ajodo.org/article/S0889-5406\(12\)01168-7/abstract](https://www.ajodo.org/article/S0889-5406(12)01168-7/abstract)

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#### ***Australian Dental Journal***

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<https://onlinelibrary.wiley.com/doi/epdf/10.1111/j.1834-7819.2002.tb00311.x>

#### ***British Journal of Oral and Maxillofacial Surgery***

45. Ghassemi M, Hilgers R-D, Jamilian A, et al: Consideration of effect of the amount of mandibular setback on the submental region in the planning of orthodontic-orthognathic treatment. *British Journal of Oral and Maxillofacial Surgery* 52(4): 334-339, April 2014.

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#### ***Dental Clinics of North America***

46. 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.

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***Dental Traumatology***

47. DiAngelis AJ, Andreasen JO, Ebeleseder KA, et al: International Association of Dental Traumatology guidelines for the management of traumatic dental injuries: 1. Fractures and luxations of permanent teeth. *Dental Traumatology* 28(1): 2-12, February 2012.

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***Development***

49. Chai Y, Jiang XB, Ito Y, et al: Fate of the mammalian cranial neural crest during tooth and mandibular morphogenesis. *Development* 127(8): 1671-1679, April 2000.

<http://dev.biologists.org/content/127/8/1671>

***European Journal of Orthodontics***

50. 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, May 2000.

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

51. 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/> **NEW**

52. 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***

53. 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 Oral and Maxillofacial Surgery***

54. Saridin CP, Raijmakers PGHM, Tuinzing DB, et al: Bone scintigraphy as a diagnostic method in unilateral hyperactivity of the mandibular condyles: a review and meta-analysis of the literature. *International Journal of Oral and Maxillofacial Surgery* 40(1): 11-17, January 2011.

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***Journal of Clinical Orthodontics***

55. Arnett GW and Gunson MJ: Esthetic treatment planning for orthognathic surgery. *Journal of Clinical Orthodontics* 44(3): 196-200, March 2010.

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56. 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.  
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***Journal of Cranio-Maxillofacial Surgery***

57. Marchetti C, Pironi M, Bianchi M, et al: Surgically assisted rapid palatal expansion vs. segmental Le Fort I osteotomy: transverse stability over a 2-year period. *Journal of Cranio-Maxillofacial Surgery* 37(2): 74-78, March 2009.  
<https://www.sciencedirect.com/science/article/abs/pii/S1010518208001856> **NEW**

***Journal of Endodontics***

58. 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***

59. Kokich VO and Kinzer GA: Managing the congenitally missing lateral incisor. Part I: Canine Substitution. *Journal of Esthetic and Restorative Dentistry* 17(1): 5-10, January 2005.  
<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1708-8240.2005.tb00076.x>

***Journal of Maxillofacial and Oral Surgery***

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***Journal of Oral and Maxillofacial Surgery***

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***Journal of Oral Pathology & Medicine***

62. Witkop CJ: Amelogenesis imperfecta, dentinogenesis imperfect and dentin dysplasia revisited: problems in classification. *Journal of Oral Pathology & Medicine* 17(9-10): 547-553, November 1988.  
<https://onlinelibrary.wiley.com/doi/abs/10.1111/j.1600-0714.1988.tb01332.x>

***Journal of Prosthetic Dentistry***

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