

CURRICULUM VITAE

ADEL ALHADLAQ, BDS, MS, PhD

POSITION AND CONTACT

Professor in Orthodontics
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PROFESSIONAL DEGREES

- July 2004: Ph.D., Department of Anatomy and Cell Biology, College of Medicine, University of Illinois at Chicago, USA
- December 2000: Master of Science in Oral Sciences, College of Dentistry, University of Illinois at Chicago, USA
- February 1995: Bachelor of Science in Dental Surgery (GPA 4.56 out of 5 with Honor), College of Dentistry, King Saud University, Saudi Arabia

CLINICAL CERTIFICATES

- May 2004: Certificate of Completion: Advanced Clinical Program in Orthodontics, Department of Orthodontic, University of Illinois at Chicago, USA
- May 2004: Certificate of Completion: Invisalign Orthodontic Certification, Align Technology, USA
- May 2000: Clinical Certificate in Specialty of Orthodontics, Department of Orthodontic, College of Dentistry, University of Illinois at Chicago, USA

ADMINISTRATIVE APPOINTMENTS

- March 2017 – Present: College of Dentistry's Representative in Scientific Council, King Saud University, Riyadh, Saudi Arabia
- March 2017 – Present: College Board Member, College of Dentistry, King Saud University, Riyadh, Saudi Arabia
- September 2010 – August 2014: Vice Dean for Academic Affairs, College of Dentistry, King Saud University, Riyadh, Saudi Arabia
- October 2006 – October 2013: Director, Saudi Specialty Certificate Program in Orthodontics, College of Dentistry, King Saud University, Riyadh, Saudi Arabia
- November 2006 – February 2013: Elected Board Member, Saudi Orthodontic Society, Riyadh, Saudi Arabia
- January 2008 – August 2012: Chairman, Examination Committee, Saudi Board of

- Orthodontics, Saudi Commission for Health Specialties, Riyadh, Saudi Arabia
- July 2009 – September 2011: Chairman, Local Training Committee - Central Region, Saudi Board of Orthodontics, Saudi Commission for Health Specialties, Riyadh, Saudi Arabia
 - November 2006 – September 2008: Chairman, Department of Preventive Dental Sciences, College of Dentistry, King Saud University, Riyadh, Saudi Arabia
 - June 2005 – October 2006: Head, Orthodontic Division, College of Dentistry, King Saud University, Riyadh, Saudi Arabia

PUBLICATIONS

- **Alhadlaq A**, Alkhadra T, El-Bialy T. Anchorage condition during canine retraction using transpalatal arch with continuous and segmented arch mechanics. **Angle Orthod** 86(3):380-385, **2016**.
- **Alhadlaq A**. Association between anterior alveolar dimensions and vertical facial pattern among Saudi adults. **Saudi Dent J** April, **2016**.
- **Alhadlaq A**. Non-surgical treatment of skeletal class II high angle malocclusion – a case report. **Pak Oral Dent J** 35(3):444-447, **2015**.
- Feres MF, Raza H, **Alhadlaq A**, El-Bialy T. Rapid maxillary expansion effects in Class II malocclusion: A systematic review. **Angle Orthod** 85(6):1070-1079, **2015**.
- **Alhadlaq A**. Biomarkers of orthodontic tooth movement in gingival crevicular fluid: a systematic review. **J Contemp Dent Pract** 16(7):578-587, **2015**.
- Hassan AH, Hosny KM, Murshid ZA, **Alhadlaq A**, Alyamani A, Naguib G. Depot injectable biodegradable nanoparticles loaded with recombinant human bone morphogenetic protein-2: preparation, characterization, and in vivo evaluation. **Drug Des Devel Ther** 9:3599-3606, **2015**.
- Hassan AH, Hosny KM, Murshid ZA, **Alhadlaq A**, Yamani A, Naguib G, Alkhalidi HM, Afify AR. Controlled release of injectable liposomal in situ gel loaded with recombinant human bone morphogenetic protein-2 for the repair of alveolar bone clefts in rabbits. **J Liposome Res** 7:1-8, **2015**.
- **Alhadlaq AM**, Alshammari OF, Alsager SM, Neel KA, Mohamed AG. Ability of admissions criteria to predict early academic performance among students of health science colleges at King Saud University, Saudi Arabia. **J Dent Educ** 79(6):665-670, **2015**.
- Feres MF, **Alhadlaq A**, El-Bialy T. Adjunctive techniques for enhancing mandibular growth in Class II malocclusion. **Med Hypotheses** 84(4):301-304, **2015**.
- El-Bialy T, **Alhadlaq A**, Felemban N, Yeung J, Ebrahim A, H Hassan A. The effect of light-emitting diode and laser on mandibular growth in rats. **Angle Orthod** 85(2):233-238, **2015**.
- Sawchuk D, **Alhadlaq A**, Alkhadra T, Carlyle TD, Kusnoto B, El-Bialy T. Comparison of two three-dimensional cephalometric analysis computer software. **J Orthod Sci** 3(4):111-117, **2014**.
- El-Bialy T, **Alhadlaq A**, Wong B, Kucharski C. Ultrasound effect on neural differentiation of gingival stem/progenitor cells. **Ann Biomed Eng** 42(7):1406-1412, **2014**.
- El-Bialy T, **Alhadlaq A**. New Therapeutics in promoting and modulating mandibular growth in cases with mandibular hypoplasia. **BioMed Res Int** 2013:1-10, **2013**.
- **Alhadlaq AM**, Al-Shayea EI. New method for evaluation of cervical vertebral maturation based on angular measurements. **Saudi Med J** 34(4):388-394, **2013**.
- **Alhadlaq A**, Al-Maflehi N. New model for cervical vertebral bone age estimation in boys. **King Saud Univ J Dent Sci** 4(1):1-5, **2013**.

- El-Bialy T, **Alhadlaq A**, Lam B. Effect of therapeutic ultrasound on human periodontal ligament cells for dental and periodontal tissue engineering. **Open Dent J** 6:235-239, **2012**.
- **Alhadlaq A**. Anterior alveolar dimensions among different classifications of sagittal jaw relationship in Saudi subjects. **Saudi Dent J** 22(2):69-75, **2010**.
- **Alhadlaq A**. Prediction of mandibular growth potential using cervical vertebral bone age in Saudi subjects. **King Saud Univ J Dent Sci** 1(1):1-7, **2010**.
- **Alhadlaq A**, Hashim H, Al-Dosari M, Al-Hamad A. Interrelationship between dental maturity, skeletal maturity and chronological age in Saudi male children. **Egy Dent J** 54(1):55-65, **2008**.
- **Alhadlaq A**, Al-Qarni M, Al-Kahtani A, Al-Obaid A. Comparative study between hand-wrist method and cervical vertebral maturation method for evaluation of skeletal maturity in Saudi boys. **Pak Oral & Dent J** 27(2):187-192, **2007**.
- Al-Barakati S, **Alhadlaq A**. Anterior alveolar dimensions in Class I Saudi subjects. **J Pak Dent Ass** 16(2):95-102, **2007**.
- **Alhadlaq A**, Hashim H, AL-Shalan T, AL-Hawwas A, AL-Mutairi N, AL-Zahrani T. Association between chronological and skeletal ages among a sample of Saudi male children. **Saudi Dent J** 19(1):1-7, **2007**.
- **Alhadlaq A**, Mao JJ. Tissue-engineered osteochondral constructs in the shape of an articular condyle. **J Bone Joint Surg Am** 87(5):936-944, **2005**.
- **Alhadlaq A**, Tang M, Mao JJ. Engineered adipose tissue from human mesenchymal stem cells maintains predefined shape and dimension: implications in soft tissue augmentation and reconstruction. **Tissue Eng** 11(3-4):556-566, **2005**.
- **Alhadlaq A**, Mao JJ. Mesenchymal stem cells: isolation and therapeutics. **Stem Cells Dev** 13(4):436-448, **2004**.
- **Alhadlaq A**, Elisseeff J, Hong L, Williams C, Caplan AI, Sharma B, Kopher RA, Tomkoria S, Lennon DP, Lopez A, Mao JJ. Adult stem cell driven genesis of human-shaped articular condyle. **Ann Biomed Eng** 32(7):911-923, **2004**.
- **Alhadlaq A**, Mao JJ. Tissue-engineered neogenesis of human-shaped mandibular condyle from rat mesenchymal stem cells. **J Dent Res** 82(12):951-6, **2003**.

BOOK CHAPTERS

- El-Bialy T, **Alhadlaq A**. Current Advances in Mandibular Condyle Reconstruction (pp. 593-613). In *A Textbook of Advanced Oral and Maxillofacial Surgery*. 1st ed. By Mohammad Hosein Kalantar Motamedi, InTech, Manhattan, NY, USA, **2013**.
- **Alhadlaq A**, Mao JJ. Osteochondral Tissue Engineering - Regeneration of Articular Condyle from Mesenchymal Stem Cells (pp. 545-564). In *Scaffolding in Tissue Engineering*. 1st ed. by Jennifer Elisseeff and Peter Ma, CRC Press, Boca Raton, FL, USA, **2006**.
- **Alhadlaq A**, Patel R, Allen DM, Mao JJ. Characterization of Physical Properties of Living Cells with Atomic Force Microscopy (pp. 237-248). In *Handbook of Nanostructured Biomaterials and Their Applications*. 1st ed. by Hari Singh Nalwa, American Scientific Publishers, Valencia, CA, USA, **2005**.
- Yourek G, **Alhadlaq A**, Patel R, McCormick S, Reilly GC, Mao JJ. Nanophysical Properties of Living Cells: The Cytoskeleton (pp. 69-97). In *Biological Nanostructures and Applications of Nanostructures in Biology: Electrical, Mechanical, & Optical Properties*. 1st ed. by Michael Stoscio and Mitra Dutta, Kluwer Academic/Plenum Publishers, New York, USA, **2004**.