

Abbreviated Resume

Name: DONALD J. FERGUSON, DMD, MSD

Position: Dean, European University College
Dubai Healthcare City, Block D, 3rd Floor, Office 302
PO Box 53382, Dubai, UAE
phone: +971 4 362 4787; fax: +971 4 363 4793; mobile: +971 50 49 2375
email: fergusonloud@gmail.com



Highest Degrees: Master of Science in Dentistry (MSD), University of the Pacific, School of Dentistry
Specialty Certificate of Orthodontics, University of the Pacific, School of Dentistry
Doctor of Medical Dentistry (DMD), University of Oregon, School of Dentistry

Academic Appointments and Consultantships:

pres-07	Professor & Founding Dean, European University College, Dubai, UAE
pres-11	Member, Editorial Board, Journal of Orthodontic Science, Jeddah, Saudi Arabia
2007-03	Professor of Orthodontics & Chair, Department of Orthodontics, Boston University
2006-02	Professor of Orthodontics & Director, Advanced Orthodontic Training Program, Boston University
2002-01	Professor of Orthodontics, Saint Louis University
2001-98	Executive Director, Center for Advanced Dental Education, Saint Louis University
2001-98	Associate Dean for Dentistry, Graduate School, Saint Louis University
1999-98	Senior Fulbright Scholar, The Bi-national Fulbright Commission for Educational & Cultural Exchange, lecturing & research in <i>Tx of Complex Craniofacial Anomalies</i> , Alexandria University, Alexandria, Egypt
1998-94	Associate Professor & Chair, Developmental Sciences & Community Health, Marquette University
1998-85	Director, Graduate Orthodontic Training Program, Marquette University

Brief Statement of Scholarly Interests: Keenly interested in tooth movement relative to selective periodontal decortication and the alveolar osteopenia & osteogenesis (bone biology & healing) related to these conditions. Interested in orthodontic treatment strategies appropriate for orthognathic surgery, craniofacial distraction, syndrome appraisal and treatment, and growth & development. Also interested in broad areas of orthodontic research including, clinical treatment efficacy, and evaluation of innovative methods of orthodontic diagnosis and treatments such as molar distalization therapy.

Descriptive Titles of Courses Recently Taught: Rapid Orthodontic Following Selective Periodontal Decortication, Contemporary Surgical-Orthodontics, Efficient Post-Surgical Orthodontics, Treatment of Complex Craniofacial Anomalies, Mandibular Midline Distraction, etc. at university, regional, national and international forums.

Selected "Invited" Presentations: (incomplete listing of most recent)

- **October 21-22, 2016:** "Periodontally Accelerated Osteogenic Orthodontics" and "Augmented Corticotomy & Orthodontics", 2nd Annual Surgical Meeting, Aga Khan University, Karachi, Pakistan
- **September 24, 2016:** "PAOO Outcomes – Speed, Scope, Stability & Vigor", 14th Panhellenic Orthodontic Congress, Greek Assoc for Orthodontic Study & Research, Athens, Greece
- **September 23, 2016:** "Periodontally Accelerated Osteogenic Orthodontics", 14th Panhellenic Orthodontic Congress, Greek Assoc for Orthodontic Study & Research, Athens, Greece
- **May 2, 2016:** "Periodontally Accelerated Osteogenic Orthodontics", AAO annual meeting, American Association of Orthodontists, Orlando, Florida, USA
- **January 31, 2016:** "Periodontally Accelerated Osteogenic Orthodontics", AEEDC Dubai World Orthodontic 2016 Conference, Dubai, UAE
- **May 17, 2015:** "Periodontally Accelerated Osteogenic Orthodontics", AAO annual meeting, American Association of Orthodontists, San Francisco, USA
- **May 4, 2015:** "Current Concepts in Surgical-Orthodontic Care", Taibah University, Medina, KSA
- **May 1, 2015:** "Mandibular Irregularity Index stability following Alveolar Corticotomy and Grafting: A 10-year Preliminary Study", Italian Academy of Orthodontics, 12th National Congress, Rome

- **February 28, 2015:** "PAOO Technique Evolution and Long Term Results", Sociedad Espanola de Periodoncia y Osteointegracion (SEPA) 49th annual meeting, Barcelona, Spain
- **February 18, 2015:** "Evaluating Clinical Competency", AEEDC Dubai 2015, International Dental Conference & Arab Dental Exhibition
- **December 11, 2014:** "Rapid Orthodontic Treatment Techniques", 3rd Qatar International Dental Conference, Qatar Dental Society, Doha, Qatar
- **October 3, 2014:** "Use of Anchorage Devices in Accelerated Orthodontic Treatment Techniques", World Implant Orthodontic Conference, Anaheim, California, UAE
- **April 27, 2014:** "Stability After PAOO", AAO annual meeting, American Association of Orthodontists, New Orleans
- **February 2, 2014:** "PAOO and rapid Orthodontics", European University College, Dubai, UAE
- **January 29, 2014:** "Stability After PAOO" Saudi Orthodontic Society, Jeddah, KSA
- **January 28, 2014:** "Techniques to Enhance Orthodontic Treatment Efficiency" Saudi Orthodontic Society, Jeddah
- **November 22, 2013:** "Rapid Orthodontics" 48th Indian Orthodontic Conference, Indian Orthodontic Society, Ahmedabad, India
- **May 4, 2013:** "The Biology of Accelerated Tooth Movement", AAO annual meeting, American Association of Orthodontists, Philadelphia, USA
- **February 28, 2013:** "Outpatient Surgical-Orthodontics"; Oman International Dental Conference, Muscat, Oman
- **February 6, 2013:** "Comparing & Contrasting Techniques to Enhance Orthodontic Treatment Efficiency", AEEDC 2013, UAE International Dental Conference & Arab Dental Exhibition, Dubai, UAE
- **January 7 & 5, 2013:** "Rapid Orthodontics from A to Z"; "Decortication Facilitated Orthodontic Treatment", 1st Qatar International Orthodontics Conference, Doha, Qatar
- **November 29, 2012:** "Rapid Orthodontics: An Evidence-Based Overview", POWER2Reason Dubai Symposium, American Orthodontics, Dubai
- **November 16 & 15, 2012:** "Rapid Orthodontics Following Alveolar Decortication"; "Outpatient Surgical-Orthodontics", 1st Fujairah International Dental Conference, Fujairah, UAE
- **October 11, 10 & 9, 2012:** "Rapid Orthodontics: An Overview"; "Outpatient Surgical-Orthodontics"; "Rapid Orthodontics Following Alveolar Decortication", 23rd Jordanian International Dental Conference, Amman, Jordan
- **October 9, 2012:** "Orthodontics at Warp Speed: What's It All About?", Jordan University of Science & Technology, Irbid, Jordan
- **July 12, 2012:** "Early Orthodontics: Role of the Pediatric Dentist", 11th International Congress of Iranian Association of Pediatric Dentistry, Tehran
- **March 13, 2012:** "Rapid Orthodontics – An Overview", 3rd International Conference of King Abdulaziz University Faculty of Dentistry, Jeddah, Saudi Arabia
- **February 1&3, 2012:** "Rapid Orthodontics – Update 2012" and "Outpatient Surgical Orthodontics", AEEDC 2012, UAE International Dental Conference & Arab Dental Exhibition, Dubai, UAE
- **July 15, 2011:** "Rapid Orthodontics", 10th International Congress of Iranian Association of Pediatric Dentistry, Tehran
- **February 1&2, 2011:** "Rapid Orthodontics" and "Adult Orthodontics Issues: Apical Root Resorption", AEEDC Dubai 2011, Internat Dental Conference & Arab Dental Exhibition
- **September 4, 2010:** "Surgery-First Approach vs Traditional Surgical-Orthodontics or Newer Surgery Techniques", Taiwan Orthodontic Society, Taipei, Taiwan
- **August 6, 2010:** "New Perspective on Surgical-Orthodontic Care", Catholic University of Minas Gerais, Belo Horizonte, Brazil.
- **August 5, 2010:** "Rapid Orthodontics", Catholic University of Minas Gerais, Belo Horizonte, Brazil.
- **March 10, 2010:** "Rapid Orthodontics" AEEDC Dubai 2010, International Dental Conference & Arab Dental Exhibition
- **March 7-8, 2010:** "Orthodontic Treatment Strategies for Orthognathic Surgery Cases" and "Rapid Orthodontics – An Overview of Alveolar Corticotomy Techniques" and , 1st AEEDC International Orthodontic Meeting, Dubai, UAE
- **January 23, 2010:** "Osteopenic Response to Alveolar Stimulation & Implications for Shockwave Therapy", 1st ISMST Research Meeting, Vienna, Austria

Scholarly Publications: textbook chapters = 10, scholarly journal articles/abstracts = 100+

(Articles & Book Chapters - partial listing)

- **Ferguson DJ,** Nazarov AD, Makki L, Wilcko MT, Wilcko WM: Posttreatment and retention outcomes with and without periodontally accelerated osteogenic orthodontics assessed using ABO objective grading system. APOS Trends in Orthod 2016;6(4):194-199.

- ▶ **Ferguson DJ**, Wilcko MT: Tooth movement mechanobiology: Toward a unifying concept. Chapter 2 In *Biology of Orthodontic Tooth Movement - Current Concepts and Applications in Orthodontic Practice*. B Shroff editor. Springer International Publishing AG, Cham, Switzerland. 2016;13-44. DOI 10.1007/978-3-319-26609-1_2.
- ▶ **Ferguson DJ**, Machado I, Wilcko MT, Wilcko WM: Root resorption following periodontally accelerated osteogenic orthodontics. *APOS Trends in Orthod* 2016;6(2):83-89.
- ▶ Abdul-Wahab H, **Ferguson DJ**, Abu Alkhair N: Assessment of panoramic radiograph quality in a dental treatment center. *APOS Trends in Orthod* 2016;6(2):21-30.
- ▶ Wilcko MT, **Ferguson DJ**, Makki L, Wilcko WM: Keratinized gingiva height increases after alveolar corticotomy and augmentation bone grafting. *J Periodontol* 2015;86:1107-1115. DOI:10.1902/jop.2015.150074.
- ▶ **Ferguson DJ**, Wilcko MT, Wilcko WM, Makki L: Scope of treatment with Periodontally Accelerated Osteogenic Orthodontics therapy. *Semin Orthod* 2015;21(3):176-186. DOI: <http://dx.doi.org/10.1053/j.sodo.2015.06.004>
- ▶ Premjani P, Al-Mulla A, **Ferguson DJ**: Accuracy of facial models obtained from CBCT volume wrapping. *J Clin Orthod* 2015;49(10):641-646.
- ▶ Atia MA, El-Gheriani AA, **Ferguson DJ**. Validity of 3 Shape scanner techniques: A comparison with the actual plaster study casts. *MedCrave Biomet Biostat Int J* 2015;2(2):1-6.
- ▶ **Ferguson DJ**: Accelerated tooth movement following alveolar corticotomy: Laboratory canine model evidence, Chapter 2 In *Orthodontically Driven Corticotomy: Tissue Engineering to Enhance Orthodontic and Multidisciplinary Treatment*, Brugnami F and Caiazzo A editors. John Wiley & Sons, Inc. 2015
- ▶ Al Nuaimi M, **Ferguson DJ**, Al-Mulla A: Oral hygiene status in school adolescents: A study of 20,000 school-age adolescents in 66 public and private schools comparing oral hygiene status by gender and ethnicity. *Oral Health Dent Mgmt* 13(2):474-485, 2014.
- ▶ Al Jeshi A, Al-Mulla AH, **Ferguson DJ**: Orthodontic treatment need in Dubai school adolescents: A study of 20,000 school-age adolescents in 66 public and private schools comparing orthodontic treatment need by gender and ethnicity. *Oral Health Dent Mgmt* 13(3):857-865, 2014
- ▶ Makki L, **Ferguson DJ**, Wilcko MT, Wilcko WM, Bjerklin K, Stapelberg R, Al Mulla A: Stability following PAOO therapy: Mandibular irregularity index and inter canine width. *AO (e-pub)* 2014
- ▶ **Ferguson DJ**, Makki L, Stapelberg R, Wilcko MT, Wilcko WM: Stability of the mandibular dental arch following PAOO therapy. *Sem Orthod* 20:239-246, 2014
- ▶ **Ferguson DJ**, Makrami SB: Rapid orthodontics following alveolar decortication; Why the resistance? *Journal de Parodontologie et d'Implantologie Dentaire* 32:121-129, 2013.
- ▶ **Ferguson DJ**: How orthodontic ideas get accepted... or not... *J Orthod Sci* 1:33, 2012.
- ▶ Al Zain T, **Ferguson DJ**: Cephalometric characterization of an adult Emirati sample with Class I malocclusion. *J Orthod Sci* 1:11-15, 2012.
- ▶ Murphy KG, Wilcko TW, Wilcko WM, **Ferguson DJ**: Periodontal accelerated osteogenic orthodontics: A description of the surgical technique, *JOMS* 67:2160-2166, 2009.
- ▶ **Ferguson DJ**: Rapid orthodontics following alveolar decortication and grafting. *J Taiwan Orthod Soc* 2:31-47, 2009.
- ▶ Sebaoun JD, Turner JW, Kantarci A, Carvalho RS, Van Dyke TE, **Ferguson DJ**: Modeling of trabecular bone and lamina dura following selective alveolar decortication in rats. *J Perio Sep*;79:1679-1688, 2008.
- ▶ Lee W, Karapetyan G, Moats R, Yamashita D-D, Moon H-B, **Ferguson DJ**, Yen S: Corticotomy-/osteotomy-assisted tooth movement micro-CTs differ. *J Dent Res* 2008;87:861-867.
- ▶ Wilcko MT, Wilcko WM, Marquez MG, **Ferguson DJ**: The contribution of periodontics to orthodontic therapy. In: *Practical advanced periodontal surgery*, Dibart S, editor. Blackwell Publishing, Inc., Ames, Iowa, USA, 2007.
- ▶ **Ferguson DJ**, Wilcko MW, Wilcko TM: Selective alveolar decortication for rapid surgical-orthodontic correction of skeletal malocclusion. In *Distraction osteogenesis of the facial skeleton*, Bell WH and Guerrero CA editors. BC Decker, Inc. Hamilton, Ontario, 2007.
- ▶ Sebaoun J-DM, **Ferguson DJ**, Wilcko WM, Wilcko MT: Corticotomie alveolar orthodontic treatment and fast. *Orthod Fr* 78:217-25, 2007.
- ▶ Choi KJ, Choi JH, Lee SY, **Ferguson DJ**, Kyung SH: Facial improvements after molar intrusion with miniscrew anchorage. *J Clin Orthod* 41:273-80, 2007.
- ▶ Huang G, English G, **Ferguson DJ**, Kulerbush R, Oesterle L, Nah H-D, Shroff B, Southard D: Functional appliances and long-term effects on mandibular growth. *AJODO* 128:271-272, 2005.
- ▶ **Ferguson DJ**, Carano A, Bowman SJ: A comparison of two maxillary molar distalizing appliances with the Distal Jet. *World J Ortho*, 6:382-390, 2005.
- ▶ Wilcko MT, Wilcko WM, Murphy KG, Carroll WJ, **Ferguson DJ**, Miley DD: Full-thickness flap/subepithelial connective tissue grafting with intramarrow penetrations: Three case reports of lingual root coverage. *Internat J Perio & Rest Dent* 25:561-569, 2005.
- ▶ Wilcko WM, **Ferguson DJ**, Bouquot, JE, Wilcko MT: Rapid orthodontic decrowding with alveolar augmentation: Case report, *World J Ortho* 4:197-205, 2003.
- ▶ Machado I, **Ferguson DJ**, Wilcko TM, Wilcko MW: Reabsorción radicular después del tratamiento ortodóncico con o sin corticotomía alveolar. *Rev Venezuela Ortho* 19:647-653, 2002.