

CURRICULUM VITAE

Dr. HISHAM BADAWI
BDS, MSc, PhD, MRCSEd, FRCD(C)

Personal information

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Current appointment	Private Practice, Associate Professor/University of Alberta

EDUCATION

2003-2009	PhD Resident University of Alberta
1999 - 2002	Membership in Orthodontics MOrth RCS (Edin) Eastman Dental Institute, Royal College of Surgeons of Edinburgh
1999 - 2001	Master of Science in Orthodontics MSc Eastman Dental Institute, University of London
1993 - 1998	Bachelor in Dental Surgery BDS Jordan University of Science and Technology

Qualifications

March 2009	Doctor of Philosophy PhD in Orthodontics and Medical Health Sciences University of Alberta
November 2006	Fellowship of Royal College of Dentists of Canada RCDC , Orthodontic specialty certificate
June 2002	Membership in orthodontics MOrth RCS (Edin) Royal College of Surgeons of Edinburgh
September 2001	Master of Science in Orthodontics MSc Eastman Dental Institute – University of London
March 1999	Certificate of Completion of the NDEB exams National Dental Examining Board of Canada
June 1998	Bachelor in Dental Surgery BDS Jordan University of Science and Technology

Awards:

William Matlof Memorial Fellowship Award, American Association of Orthodontists Foundation (faculty development award)

PROJECTS:

- **PhD Thesis: The Use Of Multi-Axis Force Transducers for Orthodontic Force and Torque Measurement**
- **MSc Thesis: The Effect of Bonding Agents Used in Orthodontics on The Accumulation and Composition of Microcosm Dental Plaque**

Current Research:

The effect of the ligation method on the resultant force system in orthodontic fixed appliance mechanotherapy.

Future research interests:

Clinical trial investigation, quantitative and qualitative assessment of the efficiency and outcome of using low friction orthodontic brackets in non-extraction orthodontic treatment

PUBLICATIONS:

- **Badawi H, Evans RD, Wilson M, Ready D, Noar JH and Pratten J. 2003. The effect of orthodontic bonding materials on dental plaque accumulation and composition *in vitro*. *Biomaterials* 24(19): 3345-3350**
- **Badawi H, Toogood R, Carey J, Heo G, Major P. Torque expression of self-ligating brackets. *American Journal of Orthodontics and Dentofacial Orthopedics*. AJODO, 2008, 133(5): 721-728**
- **Badawi H, Carey J, Major P. New testing approaches and characterization methods for arch wires: preliminary study using different steel wires. *The Open Biomedical Engineering Journal*, 2007, 1, 13-22**
- **Archambault A, Lacoursiere R, Badawi H, Major P, Carey J, Flores-Mir C. Torque expression in stainless steel orthodontic brackets. *Angle Orthodontist*, 2010, 80(1): 201-210**
- **Badawi H, Toogood R, Carey J, Major P. Three-Dimensional Orthodontic Force Measurements. *American Journal of Orthodontics and Dentofacial Orthopedics*. AJODO, 2009, 136 (4): 518-528**

Presentations:

- **Torque expression of the self-ligating orthodontic brackets IADR 2005 Orlando**
- **The use of multi-axis force transducers for orthodontic force and moment identification. Scientific research presentations, AAO meeting Denver**
- **Biomechanics of Self-ligating brackets, the Gorman institute meeting 2008 Chicago**
- **3D orthodontic Force measurement, University of North Carolina 2008**
- **Friction biomechanics, The Damon Symposium, 2008 Rome**
- **3D orthodontic Force measurement, The Damon Forum, 2009 Phoenix**
- **3D orthodontic Force measurement, University of Toronto, Dec 2009**
- **3D orthodontic Force measurement, University of Western Ontario Dec 2009**