

## Curriculum Vitae

**Name:** Kelvin FOONG Weng Chiong



**Present Appointments:** Associate Professor; Vice-Dean (Academic Affairs); Senior Consultant

**Contact Information:**

Department of Preventive Dentistry, Faculty of Dentistry, National University of Singapore  
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**Research Areas:** Craniofacial Imaging, Visualisation and Simulation; Structural and biological effects of surgical treatment in cleft lip and palate anomalies; aesthetic orthodontic wire development, characterization & clinical trial.

**Teaching Area:** Orthodontics

**Academic/Professional Qualifications:**

- BDS (1988), National University of Singapore
- MDS Orthodontics (1994), The University of Adelaide, Adelaide, Australia
- M Orth RCSEd (1996), Royal College of Surgeons of Edinburgh, UK
- FAMS (1999), Singapore
- FDS RCSEd (2001), Royal College of Surgeons of Edinburgh, UK
- PhD (2005), National University of Singapore

**Awards/Honours:**

- Excellence in Teaching Award, Faculty of Dentistry (1996/97; 1999/2000; 2001/2002; 2003/2004, 2004/2005)
- Annual Teaching Excellence Award, NUS (1996/1997; 2003/2004; 2004/2005)
- IADR Unilever Travel Award (1996); IADR Unilever Travel Award (2001) as co-author.
- Best Performing Candidate Prize and Gold Medal in M Orth RCSEd exam (Oct 1996).
- IADR 1995 Craniofacial Biology Award (2002, 2003, 2004)

**Leadership in Research Projects as Principal Investigator/Co-Principal Investigator**

- Anatomic modeling of the human head from non-ionising radiation imaging modalities for orthodontic treatment and jaw surgery (2/2007-1/2010).
- Volumetric modeling of the Muscles of Mastication in humans from MRI (8/2006-7/2008).
- Roles of Chondroitin Sulfate Proteoglycans in Palatal Wound healing (10/2004-12/2006).
- Processing and Visualization of Surface Laser Scanned Dental and Craniofacial Images for 3D Morphometry and Simulation (8/2002-12/2005).
- Multi-dimensional imaging, visualization and modeling of craniofacial anomalies and orthodontic applications (10/1999-10/2003 as Co-PI with Engineering and from 10/2000-12/2004 as PI).
- Palatal wound healing and craniofacial changes following simulated cleft palate surgery in a rabbit model (10/2000-9/2003).
- Craniofacial morphology of cleft lip & palate children in Chinese (1/1996-12/1999).
- Development of 3D Craniofacial Image Archive
- Equipment grants secured: for 3D Surface Laser Scanner, for 3D FaceVision Facial Imaging system; and for the 3dMDface System.

**Career History:**

- Dental Officer, Singapore Armed Forces (1988-1989), National University Hospital (1989-1992), Senior Dental Officer at NUH (1994-1995)
- Registrar (1995-1997), Senior Registrar (1997-99), Consultant (1999-2004), Senior Consultant (2004-present) National University Hospital
- Lecturer (1994-1998); Senior Lecturer (1998-1999); Assistant Professor (1999-30 June 2001), Associate Professor (1 July 2001 – present) National University of Singapore. Tenured from July 2003.
- Senior Faculty Member, NUS Graduate School of Integrative Science and Engineering (April 2003-present)

**Administrative Leadership:**

- Vice-Dean (Academic Affairs) (2007-present)
- Vice-Dean (Research) (2002-2006)
- Sub-Dean (2001)
- Director, Graduate Orthodontics Residency Programme (Feb 2001 – present)
- Chairman, Specialty Board in Orthodontics, Academy of Medicine, Singapore (Nov 2004 – present)

**Professional/Consulting Activities:**

- Chairman, IADR Fellowships Committee (June 2006 – March 2007)
- Secretary, IADR Southeast Asian Division Council (2001-2003)
- Treasurer, IADR Southeast Asian Division Council (2005-2007)

**Publications and Conferences**

- 20 International Refereed Publications; 102 Conference Papers.

**Updated:** 18 January 2007