

## Tooth Movement

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### Recent Publications on Tooth Movement:



- [Emotional stress and orthodontic tooth movement: effects on apical root resorption, tooth movement, and dental tissue expression of interleukin-1 alpha and calcitonin gene-related peptide immunoreactive nerve fibres in rats.](#)  
*The aim of the study was to investigate the effect of emotional stress on...*18th November, 2009  
Department of Orthodontics, Faculty of Dentistry, University of Oslo.- Eur J Orthod. 2009 Nov 16. ([DOI Direct Link](#))
- [Prosthetic considerations for orthodontic implant site development in the adult patient.](#)  
*Proper site development is a key factor for long-term clinical success of...*17th November, 2009  
University Clinic Erlangen, Dental Clinic 3, Department of Prosthodontics,- J Oral Maxillofac Surg. 2009 Nov;67(11 Suppl):82-8. ([DOI Direct Link](#))
- [Comparative evaluation of frictional forces in active and passive self-ligating brackets with various archwire alloys.](#)  
*INTRODUCTION: Self-ligating brackets are claimed to eliminate or minimize...*7th November, 2009  
Army Dental Corps, Indian Army, Pathankot, Punjab, India.- Am J Orthod Dentofacial Orthop. 2009 Nov;136(5):675-82. ([DOI Direct Link](#))
- [Osteoporosis, osteonecrosis, and orthodontics.](#)  
*Osteoporosis, whether senile, postmenopausal, or corticosteroid-induced,...*4th November, 2009  
- World J Orthod. 2009 Fall;10(3):261-71.
- [Comparison of the kinetic frictional force between conventional plastic brackets with thermoplastic low-friction module ligation and self-ligating brackets.](#)  
*Aim: To compare the kinetic frictional force of a conventional plastic...*4th November, 2009  
- World J Orthod. 2009 Fall;10(3):220-3.
- [The effects of hyperbaric oxygen on tooth movement into the regenerated area after distraction osteogenesis.](#)  
*Objective: To analyze the effect of hyperbaric oxygen (HBO) on newly...*29th October, 2009  
- Cleft Palate Craniofac J. 2009 Oct 14:1. ([DOI Direct Link](#))
- [Re: "Analysis of orthodontically induced root resorption using micro-computed tomography \(Micro-CT\)".](#)  
*Proper site development is a key factor for long-term clinical success of...*29th October, 2009  
- Angle Orthod. 2009 Jul;79(4):ii; author reply ii.
- [Involvement of medullary dorsal horn glial cell activation in mediation of masseter mechanical allodynia induced by experimental tooth movement.](#)  
*OBJECTIVE: To investigate the involvement of microglial and astrocytic...*27th October, 2009  
Department of Oral Anatomy & Physiology and TMD, School of Stomatology,- Arch Oral Biol. 2009 Oct

23. ([DOI Direct Link](#))
- [Effects of low-level laser therapy and orthodontic tooth movement on dental pulps in rats.](#)  
*Abstract Objectives: To describe the microscopic pulpal reactions...*27th October, 2009  
 - Angle Orthod. 2010 Jan;80(1):116-22. ([DOI Direct Link](#))
  - [Tooth movement activates the central amygdala and the lateral hypothalamus by the magnitude of the force applied.](#)  
*Abstract Objective: To determine if the magnitude of the force used to...*27th October, 2009  
 - Angle Orthod. 2010 Jan;80(1):111-5. ([DOI Direct Link](#))
  - [Effect of celecoxib on emotional stress and pain-related behaviors evoked by experimental tooth movement in the rat.](#)  
*Abstract Objective: To test the efficacy of an animal model of pain and...*27th October, 2009  
 - Angle Orthod. 2009 Nov;79(6):1169-74. ([DOI Direct Link](#))
  - [Changes of caspase-1 after the application of orthodontic forces in the periodontal tissues of rats.](#)  
*Abstract Objective: To investigate the changes of caspase-1 in orthodontic...*27th October, 2009  
 - Angle Orthod. 2009 Nov;79(6):1126-32. ([DOI Direct Link](#))
  - [Molecular markers of early orthodontic tooth movement.](#)  
*Abstract Objective: To understand the molecular basis of early orthodontic...*27th October, 2009  
 - Angle Orthod. 2009 Nov;79(6):1108-13. ([DOI Direct Link](#))
  - [Optimal loading conditions for controlled movement of anterior teeth in sliding mechanics.](#)  
*Abstract Objective: To determine optimal loading conditions such as height...*27th October, 2009  
 - Angle Orthod. 2009 Nov;79(6):1102-7. ([DOI Direct Link](#))
  - [Influence of bisphosphonates on orthodontic tooth movement in mice.](#)  
*Mechanical stress such as orthodontic tooth movement induces...*21st October, 2009  
 Department of Orthodontics and Dentofacial Orthopedics, Nagasaki- Eur J Orthod. 2009 Oct 19. ([DOI Direct Link](#))

## BioNews Results for Tooth Movement

- [AcceleDent System From OrthoAccel Technologies, Inc. Secures Medical Device Regulatory Clearance to Market in](#)  
*Pharmacy Choice: Nov 11 2009 10:34PM Matching: tooth movement*
- [AcceleDent System From OrthoAccel Technologies, Inc. Secures Medical Device Regulatory Clearance to Market in](#)  
*TickerTech.com: Nov 11 2009 5:52PM Matching: tooth movement*
- [Singularity University: Biotech & Bioinformatics, With Andrew Hessel](#)  
*Wired News: Nov 10 2009 7:05PM Matching: tooth movement*
- [Singularity University, Day Two: Biotech & Bioinformatics, With Andrew Hessel](#)  
*Wired News: Nov 9 2009 3:16PM Matching: tooth movement*
- [OrthoAccel Technologies completes the sale of AcceleDent System in the UK](#)  
*News-Medical.Net: Oct 30 2009 9:29AM Matching: tooth movement*
- [OrthoAccel Technologies completes the sale AcceleDent System in the UK](#)  
*News-Medical.Net: Oct 30 2009 6:48AM Matching: tooth movement*
- [Does orthodontic tooth movement cause an elevation in systemic inflammatory markers](#)  
*MDLinx: Oct 16 2009 10:13AM Matching: tooth movement*
- [Biotech in organics](#)  
*Southeast Farm Press: Aug 24 2009 7:58PM Matching: tooth movement*





## Tooth Movement Patents:

- 7373286- [Efficient data representation of teeth model](#)
- 7433810- [Efficient data representation of teeth model](#)
- 7435083- [Tooth path treatment plan](#)
- 7435084- [System and methods for casting physical tooth model](#)
- 7435419- [Methods of diagnosing and treating pre-eclampsia or eclampsia](#)
- 7442040- [Template for veneer application](#)
- 7442041- [Three-dimensional occlusal and interproximal contact detection and display using virtual tooth models](#)
- 7448514- [Storage system for dental devices](#)
- 7452205- [Orthodontic indirect bonding apparatus with occlusal positioning stop members](#)
- 7452207- [Methods and systems for modeling bite registration](#)
- 7458810- [Dental appliance having an altered vertical thickness between an upper shell and a lower shell with an integrated hinging mechanism to attach an upper shell and a lower shell and a system and a method for treating malocclusions](#)
- 7428481- [Efficient data representation of teeth model](#)
- 7422598- [Multi-wavelength oral phototherapy applicator](#)
- 7422430- [Method and apparatus for orthodontic appliance optimization](#)
- 7374421- [System and method for improved control of tooth movement with elastic repositioning appliances](#)
- 7377778- [System for determining final position of teeth](#)
- 7379584- [Methods for registration of three-dimensional frames to create three-dimensional virtual models of objects](#)
- 7383198- [Delivery information systems and methods](#)
- 7383901- [Releasable auger tooth](#)
- 7384266- [Method and apparatus for manufacturing and constructing a physical dental arch model](#)
- 7404404- [Anterior sextant dental bite tray apparatus](#)
- 7404714- [Method and apparatus for indirect bonding of orthodontic appliances](#)
- 7407659- [Methods of diagnosing pre-eclampsia or eclampsia](#)
- 7410357- [Method and apparatus for indirect bonding of orthodontic appliances](#)
- 7458812- [Three-dimensional occlusal and interproximal contact detection and display using virtual tooth models](#)
- 7461005- [Method and apparatus for automated generation of a patient treatment plan](#)
- 7572831- [Composition containing chalcone](#)
- 7578080- [Cutting tooth for a ground working implement](#)
- 7578673- [System and methods for combination treatments of dental patients](#)
- 7578674- [Methods for correcting tooth movements midcourse in treatment](#)
- 7581950- [Orthodontic appliance](#)
- 7585171- [Orthodontic bracket with rotary ligating cover](#)
- 7585172- [Orthodontic treatment planning with user-specified simulation of tooth movement](#)
- 7588936- [Generating teeth from bone marrow cells](#)
- 7590462- [Interactive orthodontic care system based on intra-oral scanning of teeth](#)
- 7600628- [Carriage for driving handrails of walkways and moving stairs](#)
- 7559764- [Orthodontic bone anchor](#)
- 7557922- [Detection system for use in a sorting apparatus, a method for determining drift in the](#)

- [detection system and a sorting apparatus comprising such detection system](#)
- 7556496- [Method of making indirect bonding apparatus for orthodontic therapy](#)
  - 7471821- [Method and apparatus for registering a known digital object to scanned 3-D model](#)
  - 7474307- [Clinician review of an orthodontic treatment plan and appliance](#)
  - 7474932- [Dental computer-aided design \(CAD\) methods and systems](#)
  - 7476100- [Guide apparatus and methods for making tooth positioning appliances](#)
  - 7497686- [Bone regeneration](#)
  - 7500851- [Maxillary arch expander unbanded to teeth](#)
  - 7504202- [Rapid immunoassay of anthrax protective antigen in vaccine cultures and bodily fluids by fluorescence polarization](#)
  - 7512294- [Polymer based distributive waveguide sensor for pressure and shear measurement](#)
  - 7519162- [Lifting drive for a radiation filter in a mammography device](#)
  - 7543511- [Concurrently measuring a force exerted upon each of a plurality of teeth](#)
  - 7600999- [Systems and methods for fabricating a dental template](#)

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Send comments and feedback to:

Peter Barfoot Managing Director, BioPortfolio Ltd.

UK Tel: (+44) 1300 321501

USA Voicemail and Fax: (+1) 415 680 2472

[Peter Barfoot peter.barfoot@bioportfolio.com](mailto:peter.barfoot@bioportfolio.com)

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