



Faculty Profile: Dr. Aydin Sohrabi

Name: Aydin Sohrabi
Associate Professor, Title: DDS, MSD
Department of Orthodontics
School of Dentistry
Tabriz University of Medical Sciences
Daneshgah Avenue
Tabriz, Iran

Phone: +98 (41) 333 55 965

Office Phone: +98 (41) 33 30 9214

Fax: +98 (41) 33 34 69 77

Email: ay_sohrabi@yahoo.com

Academic & administrative position

- Associate Professor of Department of Orthodontics
- Post-Graduate Program Director (May 2016- continuing)
- Secretary of Research Council of Tabriz School of Dentistry (Nov. 2009-June 2012)
- Member of Research Council in Tabriz School of Dentistry (Nov. 2009-June 2012 & Sep. 2014- continuing)
- Member of Thesis Council of Tabriz School of Dentistry (Nov. 2009-June 2012)

Educational background

- 2003- DDS, Tabriz University of Medical Sciences, Tabriz, Iran

- 2007- MSc, Shahid Beheshti University of Medical Sciences, Tehran, Iran

Courses

- Graduate/Postgraduate courses in department of Orthodontics
- Lecturer of Continuing Dental Education Programs
- Workshops on Research methodology, biostatistics and database searching skills.

Research interests

- Clinical trials of orthodontic treatment methods
- Biomechanics
- Diagnostic studies

Abstracts

- Articles

- **Aydin Sohrabi**, Sanaz Jafari, Soodabeh Kimyai, Sahand Rikhtehgaran. *Er,Cr:YSGG Laser as a Novel Method for Rebonding Failed Ceramic Brackets*. Photomedicine and Laser Surgery; 2016 Oct;34(10):483-486.
- **Sohrabi A**, Babay Ahari S, Moslemzadeh H, Rafighi A, Aghazadeh Z. *The reliability of clinical decisions based on the cervical vertebrae maturation staging method*. Eur J Orthod. 2016 Jan; 38(1): 8-12.
- Moslemzadeh SH, **Sohrabi A**, Rafighi A, Farshidnia S. *Comparison of Stability of the Results of Orthodontic Treatment and Gingival Health between Hawley and Vacuum-formed Retainers*. J Contemp Dent Pract. 2018 Apr 1;19(4):443-449.
- Hadi Mokhtari, Sara Jafarizadeh, Hamid Reza Mokhtari Zonouzi, Mehrdad Lotfi, Mohammad Forough Reyhani, **Aydin Sohrabi**. *Bond Strength of White Mineral Trioxide Aggregate with and without Disodium Hydrogen Phosphate with Different Liquid-to-Powder Ratios*. Iran Endod J 2017;12(3): 293-297

- Moslemzadeh SH, **Sohrabi A**, Rafighi A, Ghojazadeh M, Rahmanian S. *Comparison of survival time of Hawley and Vacuum-formed retainers in orthodontic patients-a randomized clinical trial*. Advances in Biosciences & Clinical Medicine. 2017;5:7-15.
- Moslemzadeh SH, **Sohrabi A**, Rafighi A, Kananizadeh Y, Nourizadeh A. *Evaluation of Interdental Spaces of the Mandibular Posterior Area for Orthodontic Mini-Implants with Cone-Beam Computed Tomography*. Journal of clinical and diagnostic research: JCDR. 2017;11:ZC09-ZC0012.
- Hadi Mokhtari, Mahdi Niknami, Hamid Reza Mokhtari Zonouzi, **Aydin Sohrabi**, Negin Ghasemi, Amir Akbari Golzar. *Accuracy of Cone-Beam Computed Tomography in Determining the Root Canal Morphology of Mandibular First Molars*. Iran Endod J 2016;11(2):101-5.
- Mokhtari H, Niknami M, **Sohrabi A**, Habibivand E, Mokhtari Zonouzi HR, Rahimi S, Zand V. *Cone-Beam Computed Tomography Comparison of Canal Transportation after Preparation with BioRaCe and Mtwo Rotary Instruments and Hand K-Flexofiles*. Iran Endod J. 2014 Summer;9(3):180-4. Epub 2014 Jul 5.
- Zand V, Milani AS, Amini M, Barhaghi MH, Lotfi M, Rikhtegaran S, **Sohrabi A**. *Antimicrobial efficacy of photodynamic therapy and sodium hypochlorite on monoculture biofilms of Enterococcus faecalis at different stages of development*. Photomed Laser Surg. 2014 May;32(5):245-51. doi: 10.1089/pho.2013.3557. Epub 2013 Dec 5.
- Seyed Hossein Moslemzadeh, Yusef Kananizadeh, Amin Nourizadeh, **Aydin Sohrabi**, Mehrdad Panjnoush, Elnaz Shafiee. *Evaluation of cortical bone thickness of mandible with cone beam computed tomography for orthodontic mini implant installation*. Advances in Bioscience & Clinical Medicine. Vol.02 No.02. Publish date: 2014-07-04.
- Zand V, Mokhtari H, Lotfi M, Rahimi S, **Sohrabi A**, Badamchi Zadeh S, Mojaver Kahnamoie H, Tehranchi P. *A scanning electron microscope study on the effect of an experimental irrigation solution on smear layer removal*. Iran Endod J. 2014 Spring;9(2):131-6. Epub 2014 Mar 8.

- Ebrahimi Chaharom ME, Ajami AA, Abed Kahnamouei M, Jafari Navimipour E, Tehranchi P, Zand V, Sadeghi MR, **Sohrabi A**. *Antibacterial Effect of All-in-one Self-etch Adhesives on Enterococcus faecalis*. J Dent Res Dent Clin Dent Prospects. 2014 Fall;8(4):225-9. doi: 10.5681/joddd.2014.040. Epub 2014 Dec 3.
- Seyed Hossein Moslemzadeh, Mojgan Kachoeie, **Aydin Sohrabi**, Ali Rafighi. *Effect of chemical sterilization procedure on frictional properties of Nickel Titanium orthodontic wires*. Iranian Journal of Orthodontics Vol. 8, Spring & Summer 2013, 39-42.
- Ali Rafighi, **Aydin Sohrabi**, Saeed Foroughi Moghaddam, Seyed Hossein Moslemzadeh. *Effect of orthodontic fixed appliances on epithelial cells of lower lip oral mucosa during orthodontic treatment*. Iranian Journal of Orthodontics Vol. 7, Fall & Winter 2012, 44-48.
- **Sohrabi A**, Amini M, Malekafzali B, Ghassemi A, Sohrabi A, Vahid Pakdel M. *Microtensile bond strength of self-etch adhesives in different surface conditionings*. The European Journal Pediatric Dentistry, Vol. 13(4), pp. 317-320, 30th Dec, 2012.
- Koroush Taheri Talash, Javad Yazdani, Amir Mohammadi, Azin Sohrabi , **Aydin Sohrabi**. *The evaluation of hyoid bone position and pharyngeal airway following mandibular setback surgery*. Iranian Journal of Orthodontics Vol.3, Number 3 & 4, Fall & Winter 2008
- Zand V, Mokhtari H, Lotfi M, Forough Reyhani M, **Sohrabi A**, Tehranchi P, Mokhtari Zenouzi MR. *Accuracy of working length determination with root ZX apex locator and radiography: An in vivo and ex vivo study*. African Journal of Biotechnology Vol. 10(36), pp. 7088-7091, 18 July, 2011
- Aminabadi NA, Farahani RM, **Sohrabi A**, Puralibaba F. *Lingual eruption of mandibular permanent incisors: a space correlated phenomenon?* J Contemp Dent Pract. 2009 Jan 1;10(1):25-32
- Lida Toomarian, Azita Tehranchi, Roshan Roshannezhad, **Aydin Sohrabi**. *Pyknodysostosis-- A case report with a brief review of the literature*. Journal of dental school Shahid Beheshti University of medical sciences. 2008 Fall; 26(3):14

- **Abstracts**

1. Tehranchi Azita, **Sohrabi Aydin**. *Study of Effects of RME Screw Position in Displacement Distribution in Nasomaxillary Complex and Teeth —A Three-dimensional FEM Study* in the 6th International Congress of Iranian Association of Orthodontists, Tehran, Iran, Jan 30th –Feb 1st 2008.
2. **Sohrabi Aydin**. *Orthodontics for Orthognathic Surgery, a Luxury or a Necessity?* In the 1st Middle East Congress on Rhinology & Facial Plastic Surgery, Tehran, Iran, Nov 4-7th 2008.
3. Sohrabi Azin, Amini Mahsa, **Sohrabi Aydin**, Rafighi Ali. *Iatrogenic complications caused by invasion of orthodontic mini-implants to tooth root and PDL* in the 8th International Congress of Iranian Academy of Periodontology, Kish Island, Iran, Dec 4-6th 2008.
4. Rafighi Ali, **Sohrabi Aydin**. *Miniscrews in orthodontics and the factors affecting their success* in the 8th International Congress of Iranian Academy of Periodontology, Kish Island, Iran, Dec 4-6th 2008.
5. **Sohrabi Aydin**, Sohrabi Azin, Amini Mahsa. *How a cone beam CT scan can change treatment plan?* in the 1st International Congress of Iranian Society of OMF Radiology, Tehran, Iran, Jan 29-30th 2009
6. Sohrabi Azin, Ahmadi Ghazaleh, **Sohrabi Aydin**. *Advantages of Cephalometric Radiographs Obtained from Cone-Beam CT over Conventional ones in Orthodontics* in the 1st International Congress of Iranian Society of OMF Radiology, Tehran, Iran, Jan 29-30th 2009
7. **Sohrabi Aydin**, Sohrabi Azin, Ahmadi Ghazaleh. *Treatment approaches in management of missing upper laterals* in 49th annual international congress of Iranian dental association, Tehran, Iran, 5-8th May 2009.
8. **Sohrabi Aydin**, Pourkhamneh Sohrab. *PAOO, a new approach of rapid orthodontic tooth movement: Review Article* in the 7th International Congress of Iranian Association of Orthodontists, Hamedan, Iran, 20th –22nd May 2009.

9. **Sohrabi Aydin**, Shadi Afshin, Eskandarinejad Faranak, Olyae Pooya. *The evaluation of dental arch curvature by the new methods in the 7th International Congress of Iranian Association of Orthodontists*, Hamedan, Iran, 20th –22nd May 2009.
10. **Aydin Sohrabi**, Azin Sohrabi, Maziar Esmaili Moghaddam. *Bilateral Asymmetric Hemifacial Microsomia with an Unusual Expression: A Case Report in the 7th International Congress of Iranian Association of Orthodontists*, Hamedan, Iran, 20th –22nd May 2009.
11. **Sohrabi Aydin**, Eskandary nezhad Faranak, Shadi Afshin, Oliyae Pooya. *A new method for analyzing change in dental arch form (cubic spline curve) in the 7th International Congress of Iranian Association of Orthodontists*, Hamedan, Iran, 20th –22nd May 2009.
12. Ahmadi Ghazaleh, Sohrabi Azin, **Sohrabi Aydin**. *Ankylosed deciduous molar teeth: Diagnosis, Treatment, and Prognosis* the 8th International Congress of Iranian Association of Paediatric Dentistry, Tehran, Iran, July 15-17th 2009
13. **Sohrabi Aydin**, Sohrabi Azin, Ahmadi Ghazaleh. *New methods in caries detection in permanent and deciduous teeth in the 8th International Congress of Iranian Association of Paediatric Dentistry*, Tehran, Iran, July 15-17th 2009.
14. Sohrabi, Azin; Shamsvahdati, Samad; **Sohrabi, Aydin**. *Emergency Management of Tooth Avulsion in Children* In the fifth Mediterranean Emergency Medicine Congress (MEMC V), Valencia, Spain, 14-17 September 2009.
15. **Sohrabi Aydin**, Sohrabi Azin. *A Chemomechanical approach to caries removal in children in the the 9th Congress of Iranian Academy of Restorative Dentistry*, Tehran, Iran, Nov 11-13th 2009.
16. **Sohrabi Aydin**, Sohrabi Azin, Ahmadi Ghazaleh. *A new horizon in caries prevention in orthodontics in Second Congress of International Post Graduate Dental Student Association (IPDA)*, Tehran, Iran, Nov 18-20th 2009.
17. **Sohrabi Aydin**, Sohrabi Azin, Ahmadi Ghazaleh. *Splinting and periodontal outcomes in avulsed teeth in the 9th International Congress of Iranian Academy of Periodontology*, Tehran, Iran, Dec 9-11th 2009.

18. **Sohrabi Aydin**, Sohrabi Azin, Ahmadi Ghazaleh. *Periodontal diseases in children with cleft lip and /or palate* in the 50th annual international congress of Iranian dental association, Tehran, Iran, May 11-14th 2010.
19. Moslemzadeh Hossein, Ghasemi Shima, Razi Tahmineh, **Sohrabi Aydin**. *Comparison of space prediction accuracy by Tanaka-Johnston method and simple visual observation in the mixed dentition* in the 8th International Congress of Iranian Association of Orthodontists, Tehran, Iran, 19th –21nd May 2010.
20. **Sohrabi Aydin**, Pourkhamneh Sohrab, Tamassoki Sharzad, Eskandary nezhad Faranak. *Cariogram: A picture of caries risk profile in orthodontic patients* in the 8th International Congress of Iranian Association of Orthodontists, Tehran, Iran, 19th –21nd May 2010.
21. **Sohrabi Aydin**, Eskandary nezhad Faranak, Pourkhamneh Sohrab. *Teledentistry for interceptive orthodontics treatment and for screening new orthodontic patient referral* in the 8th International Congress of Iranian Association of Orthodontists, Tehran, Iran, 19th –21nd May 2010.
22. Rafighi Ali, **Sohrabi Aydin**, Moslemzadeh Hossein, Moghaddam Maziar E, Sadr Haghighi Hooman. *Does the bond strength change after repeated rebondings?* in the 87th Congress of the European Orthodontic Society, Istanbul, Turkey, 19th-23rd June 2011.
23. Moslemzadeh Seyed Hossein, Razi Tahmineh, Rafighi Ali, Ghasemi Shima, **Sohrabi Aydin**. *Can dentists rely on simple visual observation to predict required space in the mixed dentition?* in the 87th Congress of the European Orthodontic Society, Istanbul, Turkey, 19th-23rd June 2011.
24. Sadr Haghighi Hooman, Eskandarnezhad Mahsa, **Sohrabi Aydin**, Moslemzadeh Seyed Hossein. *Evaluation of smile esthetics with different display of gingival level by orthodontists and general public*. In the 5th annual congress, of international association for dental research Iranian division, Tehran, Iran, 30th-31st December 2010.
25. **Aydin Sohrabi**, Ali Rafighi, Seyed Hossein Moslemzadeh, Hooman Sadr Haghighi, Mahsa Amini. *How a cone beam CT scan can change treatment plan in a dilacerations case?* in the 88th

Congress of the European Orthodontic Society, Santiago De Compostela, Spain, 18th-23rd June 2012.

26. **Aydin Sohrabi**, Azin Sohrabi, Mahsa Amini, Farzaneh Rasouli, Zahra Aghazadeh. *Dental and skeletal effects of tongue crib appliance in treatment of class III patients* in the 88th Congress of the European Orthodontic Society, Santiago De Compostela, Spain, 18th-23rd June 2012.
27. Azita Tehranchi, Nazi Ameli, **Aydin Sohrabi**, Fatemeh sadat Mir Hashemi. *Stress distribution and displacement in the nasomaxillary complex using different materials* in the 88th Congress of the European Orthodontic Society, Santiago De Compostela, Spain, 18th-23rd June 2012.
28. Shahin Bahmani, Saeed Foroughi Moghaddam, **Aydin Sohrabi**, Hooman Sadr Haghghi, Vahid Zand. *Expression of gingival crevicular fluids. MMP-1, MMP-2, MMP-8, with orthodontic treatment: A systematic review* in the 88th Congress of the European Orthodontic Society, Santiago De Compostela, Spain, 18th-23rd June 2012.
29. **Aydin Sohrabi**, Saeed Foroughi, Ali Rafighi, Moghaddam, Seyed Hossein Moslemzadeh, Azin Sohrabi. *Unconventional treatment options for short ramus patients* in the 88th Congress of the European Orthodontic Society, Santiago De Compostela, Spain, 18th-23rd June 2012.
30. Vahid Zand, Mahsa Amini, Maryam Amini, Pardis Tehranchi, **Aydin Sohrabi**. *An investigation on factors affecting apical closure period after apexification* in the 2nd Pan Arab Endodontic Conference, Dubai, UAE, 11th-14th Jan 2012.
31. Mahsa Amini, Vahid Zand, Pardis Tehranchi, **Aydin Sohrabi**. *Accuracy of the third generation apex locator (Raypex 4) in comparison with conventional radiography in an in vitro study* in the 2nd Pan Arab Endodontic Conference, Dubai, UAE, 11th -14th Jan 2012.
32. Azin Sohrabi, Mahsa Amini, **Aydin Sohrabi**. *Endodontic treatment for decidun teeth with fusion :a review.* in the 12th Congress of Iranian of Pediatric Dentistry. Tehran, Iran, 21th -23th Sep. 2012.

33. Seyed Hossein Moslemzadeh, Ali Rafighi, **Aydin Sohrabi**, Roza Momeni. *Vibration for accelerating orthodontic tooth movement in the 10th International Congress of the Iranian Association of Orthodontists*. Tehran, Iran, 16th – 18th Oct. 2012.
34. **Aydin Sohrabi**, Somayyeh Naghinejad, Farzaneh Rasouli, Sareh Keshavarz, Arman Saeedi. *Bilateral Asymmetric Hemifacial Microsomia with an Unusual Expression: Report of two cases in the 10th International Congress of the Iranian Association of Orthodontists*. Tehran, Iran, 16th – 18th Oct. 2012.
35. Ali Rafighi, Hossein Moslemzadeh, Saeid Foroughi Moghaddam, **Aydin Sohrabi**. *Effects of Essix and Hawley retainers on post Orthodontic occlusion in the 12th International Congress of the Iranian Association of Orthodontists*. Tehran, Iran, 1st – 3rd Oct 2014.
36. Farzaneh Rasouli, **Aydin Sohrabi**, Sareh Keshavaez. *Comparison of vacuum-formed and Hawley retainers in the 12th International Congress of the Iranian Association of Orthodontists*. Tehran, Iran, 1st – 3rd Oct 2014.
37. Seyed Hossein Moslemzadeh, **Aydin Sohrabi**, Tannaz Abdollahzadeh, Farzaneh Rasouli. *A Less aggressive surgical approach for accelerating orthodontic tooth movement in the 12th International Congress of the Iranian Association of Orthodontists*. Tehran, Iran, 1st – 3rd Oct 2014.
38. **Aydin Sohrabi**, Saeid Foroughi Moghaddam, Seyed Hossein Moslemzadeh, Ali Rafighi. *Dental and skeletal effects of tongue crib appliance in treatment of class III patients in the 8th International Orthodontic congress of World Federation of Orthodontics (WFO), London, UK, 26th-30rd Sep. 2015*.
39. Fatemeh Norbakhsh, Ali Rafighi, Seyed Hossein Moslemzadeh, **Aydin Sohrabi**, Saeed Foroughi. *Combined periodontic-orthodontic endodontic approach in the treatment of periodontally compromised tooth in 15th meeting of Iranian academy of periodontology, Tehran, Iran, 6th-9th Oct. 2015*.

Professional memberships

- Member of Iranian Association of Orthodontists

Award and Honors

- Obtained highest score in National Iranian Board of Orthodontics
- Acquired highest score in National Basic Sciences Exam
- Top student of undergraduate class 1997 through 2003 (first rank)