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## Prof. Shahin Kasraei

https://orcid.org/  
0000-0003-0167-4704

Scopus Author ID: 41661689400

### ✓ Employment (1)

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Shahid beheshti University of Medical Sciences School of Dentistry: Tehran, Tehran, IR

DDS,MS (Restorative Dentistry)  
Employment

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### ✓ Education and qualifications (1)

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Shahid beheshti University of Medical Sciences School of Dentistry: tehran, IR

(Department of Restorative Dentistry)  
Education

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### ✓ Works (54)

☰ Sort

Rehardening of Eroded Enamel with CPP-ACFP Paste and CO<sub>2</sub> Laser Treatment.

BioMed research international  
2021-07 | journal-article  
PMID: [34337003](#)  
PMC: [PMC8298158](#)  
DOI: [10.1155/2021/3304553](#)

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## Works (54)

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**Influence of Laser Deproteinization of Acid-Etched Dentin on Marginal Microleakage of Class V Composite Restoration**

Brazilian Journal of Oral Sciences  
2021 | journal-article  
DOI: [10.20396/bjos.v20i00.8660525](https://doi.org/10.20396/bjos.v20i00.8660525)  
EID: 2-s2.0-85101621367  
Part of ISSN: [16773225](https://www.issn.org/issn/16773225) [16773217](https://www.issn.org/issn/16773217)

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**Phosphate Ion Release and Alkalizing Potential of Three Bioactive Dental Materials in Comparison with Composite Resin**

International Journal of Dentistry  
2021 | journal-article  
DOI: [10.1155/2021/5572569](https://doi.org/10.1155/2021/5572569)  
EID: 2-s2.0-85106351700  
Part of ISSN: [16878736](https://www.issn.org/issn/16878736) [16878728](https://www.issn.org/issn/16878728)

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Source: shahin kasraei via Scopus - Elsevier ★ Preferred source (of 2)

**Temperature Dependence of Specific Heat of Human Enamel and Dentin: An Experimental Study**

International Journal of Thermophysics  
2021 | journal-article  
DOI: [10.1007/s10765-021-02885-y](https://doi.org/10.1007/s10765-021-02885-y)  
EID: 2-s2.0-85109091703  
Part of ISSN: [15729567](https://www.issn.org/issn/15729567) [0195928X](https://www.issn.org/issn/0195928X)

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Source: shahin kasraei via Scopus - Elsevier ★ Preferred source (of 2)

**Comparison of the effects of toothpastes containing nanohydroxyapatite and fluoride on white spot lesions in orthodontic patients: A randomized clinical trial.**

Dental research journal  
2020-09 | journal-article  
PMID: [33343843](https://pubmed.ncbi.nlm.nih.gov/33343843/)  
PMC: [PMC7737819](https://pubmed.ncbi.nlm.nih.gov/pmc/articles/PMC7737819/)

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**Works (54)**

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**Comparison of the effects of toothpastes containing nanohydroxyapatite and fluoride on white spot lesions in orthodontic patients: A randomized clinical trial**

Dental Research Journal  
2020 | journal-article  
DOI: [10.4103/1735-3327.294328](https://doi.org/10.4103/1735-3327.294328)  
EID: 2-s2.0-85091057705  
Part of ISSN: [20080255 17353327](https://www.elsevier.com/issn/20080255)

[Show more detail](#)**Source:** shahin kasraei *via* Scopus - Elsevier**Effect of Bromelain and Trypsin on microleakage of ETCH-and-rinse adhesive systems**

Journal of Stomatology  
2020 | journal-article  
DOI: [10.5114/jos.2020.98314](https://doi.org/10.5114/jos.2020.98314)  
EID: 2-s2.0-85091095146  
Part of ISSN: [2299551X 00114553](https://www.elsevier.com/issn/2299551X)

[Show more detail](#)**Source:** shahin kasraei *via* Scopus - Elsevier**Experimental estimation of the emissivity of human enamel and dentin**

Infrared Physics and Technology  
2020 | journal-article  
DOI: [10.1016/j.infrared.2020.103234](https://doi.org/10.1016/j.infrared.2020.103234)  
EID: 2-s2.0-85081053546  
Part of ISSN: [13504495](https://www.elsevier.com/issn/13504495)

[Show more detail](#)**Source:** shahin kasraei *via* Scopus - Elsevier**Comparative Assessment of Cuspal Deflection in Premolars Restored with Bulk-Fill and Conventional Composite Resins.**

Frontiers in dentistry  
2019-11 | journal-article  
PMID: [33089241](https://pubmed.ncbi.nlm.nih.gov/33089241/)  
PMC: [PMC7569276](https://pubmed.ncbi.nlm.nih.gov/pmc/articles/PMC7569276/)  
DOI: [10.18502/fid.v16i6.3439](https://doi.org/10.18502/fid.v16i6.3439)

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**Effect of 940nm Diode Laser Irradiation on Microtensile Bond Strength of an Etch and Rinse Adhesive (Single Bond 2) to Dentin.**

Journal of dentistry (Shiraz, Iran)  
2019-03 | journal-article  
PMID: [30937334](#)  
PMC: [PMC6421328](#)

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Source: shahin kasraei via Europe PubMed Central

**Effect of diode laser (810 nm) irradiation on marginal microleakage of multi-mode adhesive resins in class V composite restorations**

Journal of Lasers in Medical Sciences  
2019 | journal-article  
DOI: [10.15171/jlms.2019.45](#)  
EID: 2-s2.0-85078318095  
Part of ISSN: [22286721 20089783](#)

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**The effect of dentin pre-treatment with activated riboflavin on the bond strength of a two-step self-etch adhesive system, Wpływ wstępного pokrycia zębiny aktywowaną ryboflawiną na siłę wiązania dwustopniowego samotrawiącego systemu adhezyjnego**

Dental and Medical Problems  
2019 | journal-article  
DOI: [10.17219/dmp/105408](#)  
EID: 2-s2.0-85068816895  
Part of ISSN: [1644387X](#)

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**Effect of Trypsin/EDTA Conditioning on Marginal Microleakage of Class V Composite Restorations Bonded With a One-Step Selfetch Adhesive**

Avicenna Journal of Dental Research  
2018-09 | journal-article  
DOI: [10.34172/ajdr.2018.21](#)  
Part of ISSN: [2008-7659](#)

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**Evaluation of Microshear Bond Strength of Light and Chemically-Cured Composite Resins to Light-Cured Glass-Ionomer Using Various Bonding Systems**

Avicenna Journal of Dental Research  
2018-09 | journal-article  
DOI: [10.34172/ajdr.2018.22](https://doi.org/10.34172/ajdr.2018.22)  
Part of ISSN: [2008-7659](https://doi.org/10.2478/2008-7659)

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Source: shahin kasraei via Crossref Metadata Search

**Efficacy of denoising and enhancement filters for detection of approximal and occlusal caries on digital intraoral radiographs.**

Journal of conservative dentistry : JCD  
2018-03 | journal-article  
PMID: [29674818](https://pubmed.ncbi.nlm.nih.gov/29674818/)  
PMC: [PMC5890406](https://pubmed.ncbi.nlm.nih.gov/pmc/articles/PMC5890406/)  
DOI: [10.4103/jcd.jcd\\_213\\_17](https://doi.org/10.4103/jcd.jcd_213_17)

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**Effect of Nd:YAG and Diode Lasers on Apical Seal of Root Canals Filled with AH Plus and Mineral Trioxide Aggregate-Based Sealers.**

Journal of dentistry (Tehran, Iran)  
2018-01 | journal-article  
PMID: [29971119](https://pubmed.ncbi.nlm.nih.gov/29971119/)  
PMC: [PMC6026104](https://pubmed.ncbi.nlm.nih.gov/pmc/articles/PMC6026104/)

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**In vitro effect of changing the horizontal angulation of X-ray beam on the detection of proximal enamel caries in bitewing radiographs, Wpływ zmian poziomego kąta padania promienia centralnego X na wykrywanie próchnicy szkliwa na powierzchniach stykowych na zdjęciach skrzydłowo-zgryzowych - Badania in vitro**

Dental and Medical Problems  
2018 | journal-article  
DOI: [10.17219/dmp/84868](https://doi.org/10.17219/dmp/84868)  
EID: 2-s2.0-85045759788  
Part of ISSN: [1644387X](https://doi.org/10.1644387X)

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**Influence of CO2 laser irradiation and CPP-ACP paste application on demineralized enamel microhardness**

Journal of Lasers in Medical Sciences  
2018 | journal-article  
DOI: [10.15171/jlms.2018.27](https://doi.org/10.15171/jlms.2018.27)  
EID: 2-s2.0-85046085006  
Part of ISSN: [22286721](https://www.elsevier.com/issn/22286721) [20089783](https://www.elsevier.com/issn/20089783)

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**Low-level laser therapy with 940 nm diode laser on stability of dental implants: a randomized controlled clinical trial**

Lasers in Medical Science  
2018 | journal-article  
DOI: [10.1007/s10103-017-2365-9](https://doi.org/10.1007/s10103-017-2365-9)  
EID: 2-s2.0-85032466123  
Part of ISSN: [1435604X](https://www.elsevier.com/issn/1435604X) [02688921](https://www.elsevier.com/issn/02688921)

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**Comparison of Cone-Beam Computed Tomography and Intraoral Radiography in Detection of Recurrent Caries under Composite Restorations.**

Brazilian dental journal  
2017 | journal-article  
PMID: [28301024](https://pubmed.ncbi.nlm.nih.gov/28301024/)  
DOI: [10.1590/0103-6440201701248](https://doi.org/10.1590/0103-6440201701248)

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**Effect of proteolytic agents on microleakage of etch and rinse adhesive systems**

Brazilian Journal of Oral Sciences  
2017 | journal-article  
DOI: [10.20396/bjos.v16i0.8651051](https://doi.org/10.20396/bjos.v16i0.8651051)  
EID: 2-s2.0-85045280602  
Part of ISSN: [16773225](https://www.elsevier.com/issn/16773225) [16773217](https://www.elsevier.com/issn/16773217)

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**Effect of various laser surface treatments on repair shear bond strength of aged silorane-based composite**

Journal of Lasers in Medical Sciences  
2017 | journal-article  
DOI: [10.15171/jlms.2017.34](https://doi.org/10.15171/jlms.2017.34)  
EID: 2-s2.0-85030119457

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Source: shahin kasraei via Scopus - Elsevier

**Efficacy of sodium hypochlorite activated with laser in intracanal smear layer removal: An SEM study**

Journal of Lasers in Medical Sciences  
2017 | journal-article  
DOI: [10.15171/jlms.2017.07](https://doi.org/10.15171/jlms.2017.07)  
EID: 2-s2.0-85013067818  
Part of ISSN: [22286721 20089783](https://doi.org/10.1016/j.jlms.2017.07)

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Source: shahin kasraei via Scopus - Elsevier

**CO<sub>2</sub> laser surface treatment of failed dental implants for re-implantation: an animal study**

Lasers in Medical Science  
2016 | journal-article  
DOI: [10.1007/s10103-016-1921-z](https://doi.org/10.1007/s10103-016-1921-z)  
EID: 2-s2.0-84964546145  
Part of ISSN: [1435604X 02688921](https://doi.org/10.1007/s10103-016-1921-z)

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**Microshear bond strength of OptiBond All-in-One self-adhesive agent to Er:YAG Laser treated enamel after thermocycling and water storage**

Journal of Lasers in Medical Sciences  
2016 | journal-article  
DOI: [10.15171/jlms.2016.26](https://doi.org/10.15171/jlms.2016.26)  
EID: 2-s2.0-84979746884  
Part of ISSN: [22286721 20089783](https://doi.org/10.15171/jlms.2016.26)

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**Effect of CO2 and Nd:YAG Lasers on Shear Bond Strength of Resin Cement to Zirconia Ceramic.**

Journal of dentistry (Tehran, Iran)  
2015-09 | journal-article  
PMID: [27148380](#)  
PMC: [PMC4854748](#)

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**Bond strength of resin cement to CO2 and Er:YAG laser-treated zirconia ceramic.**

Restorative dentistry & endodontics  
2014-11 | journal-article  
PMID: [25383349](#)  
PMC: [PMC4223100](#)  
DOI: [10.5395/rde.2014.39.4.296](#)

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**Antibacterial properties of composite resins incorporating silver and zinc oxide nanoparticles on Streptococcus mutans and Lactobacillus.**

Restorative dentistry & endodontics  
2014-05 | journal-article  
PMID: [24790923](#)  
PMC: [PMC3978100](#)  
DOI: [10.5395/rde.2014.39.2.109](#)

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**Effect of ascorbic acid on bond strength between the hydrogen peroxide-treated fiber posts and composite resin cores.**

Journal of conservative dentistry : JCD  
2014-05 | journal-article  
PMID: [24944443](#)  
PMC: [PMC4056391](#)  
DOI: [10.4103/0972-0707.131779](#)

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**Effect of cyclic loading on bond strength of fiber posts to root canal dentin.**

Journal of dentistry (Tehran, Iran)  
2014-01 | journal-article  
PMID: [24910680](#)  
PMC: [PMC4037270](#)

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**Source:** shahin kasraei *via* Europe PubMed Central

**Effect of Surface Treatment with Carbon Dioxide (CO<sub>2</sub>) Laser on Bond Strength between Cement Resin and Zirconia.**

Journal of lasers in medical sciences  
2014 | journal-article  
PMID: [25653809](#)  
PMC: [PMC4281992](#)

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**Effect of surface treatment with carbon dioxide (CO<sub>2</sub>) laser on bond strength between cement resin and zirconia**

Journal of Lasers in Medical Sciences  
2014 | journal-article  
EID: 2-s2.0-84902985661

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**Effect of Epigallocatechin Gallate on shear bond strength of composite resin to bleached enamel: an in vitro study.**

Restorative dentistry & endodontics  
2013-11 | journal-article  
PMID: [24303360](#)  
PMC: [PMC3843036](#)  
DOI: [10.5395/rde.2013.38.4.241](#)

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**Total antioxidant capacity of saliva and dental caries.**

Medicina oral, patologia oral y cirugia bucal  
2013-07 | journal-article  
PMID: [23524431](#)  
PMC: [PMC3731080](#)  
DOI: [10.4317/medoral.18762](#)

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**Antibacterial Effect of Sanosil 2% and 6% and Sodium Hypochlorite 0.5% on Impressions of Irreversible Hydrocolloid (Alginate) and Condensational Silicone (Speedex)**

Avicenna Journal of Dental Research  
2013-06 | journal-article  
DOI: [10.17795/ajdr-21107](#)  
Part of ISSN: [2008-7667](#)

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**Effect of Ethylene diamine tetra acetic acid and sodium hypochlorite solution conditioning on microtensile bond strength of one-step self-etch adhesives.**

Journal of conservative dentistry : JCD  
2013-05 | journal-article  
PMID: [23833459](#)  
PMC: [PMC3698589](#)  
DOI: [10.4103/0972-0707.111324](#)

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**Effect of eugenol-containing sealer and post diameter on the retention of fiber reinforced composite posts.**

Journal of conservative dentistry : JCD  
2013-01 | journal-article  
PMID: [23349579](#)  
PMC: [PMC3548349](#)  
DOI: [10.4103/0972-0707.105301](#)

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**Evaluation of micro-shear bond strength of resin modified glass-ionomer to composite resins using various bonding systems**

Journal of Conservative Dentistry  
2013 | journal-article  
DOI: [10.4103/0972-0707.120956](https://doi.org/10.4103/0972-0707.120956)  
EID: 2-s2.0-84889637213

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**The antibacterial properties of composite resin containing nanosilver against Streptococcus mutans and Lactobacillus**

Journal of Contemporary Dental Practice  
2013 | journal-article  
DOI: [10.5005/jp-journals-10024-1442](https://doi.org/10.5005/jp-journals-10024-1442)  
EID: 2-s2.0-84903122693

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**The antibacterial properties of composite resin containing nanosilver against Streptococcus mutans and Lactobacillus.**

The journal of contemporary dental practice  
2013 | journal-article  
PMID: [24858742](https://pubmed.ncbi.nlm.nih.gov/24858742/)

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**Microleakage of dual-cured adhesive systems in class v composite resin restorations.**

Journal of dentistry (Tehran, Iran)  
2012-06 | journal-article  
PMID: [23066474](https://pubmed.ncbi.nlm.nih.gov/23066474/)  
PMC: [PMC3466775](https://pubmed.ncbi.nlm.nih.gov/PMC3466775/)

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**Addition of silver nanoparticles reduces the wettability of methacrylate and silorane-based composites.**

Brazilian oral research  
2012 | journal-article  
PMID: [23184163](#)  
DOI: [10.1590/s1806-83242012000600004](#)

[Show more detail](#)

Source: shahin kasraei via Europe PubMed Central ★ Preferred source (of 2)

**Effect of storage time on microtensile bond strength between quartz fiber post and composite core after different post surface treatments.**

Journal of conservative dentistry : JCD  
2011-10 | journal-article  
PMID: [22144803](#)  
PMC: [PMC3227281](#)  
DOI: [10.4103/0972-0707.87198](#)

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**Effect of surface polishing on mercury release from dental amalgam after treatment 16% carbamide peroxide gel.**

Journal of dentistry (Tehran, Iran)  
2011 | journal-article  
PMID: [21998805](#)  
PMC: [PMC3184733](#)

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**In vitro comparison of microleakage of posterior resin composites with and without liner using two-step etch-and-rinse and self-etch dentin adhesive systems.**

Operative dentistry  
2011 | journal-article  
PMID: [21702678](#)  
DOI: [10.2341/10-215-I](#)

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Works (54)

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**Microtensile bond strength of quartz fiber posts to different composite cores.**

Brazilian oral research

2011 | journal-article

PMID: [21860915](#)DOI: [10.1590/s1806-83242011000400003](#)[Show more detail](#)**Source:** shahin kasraei via Europe PubMed Central ★ Preferred source (of 2)**Comparison of the effects of two whitening toothpastes on microhardness of the enamel and a microhybride composite resin: an in vitro study.**

Journal of dentistry (Tehran, Iran)

2010-09 | journal-article

PMID: [21998788](#)PMC: [PMC3184751](#)[Show more detail](#)**Source:** shahin kasraei via Europe PubMed Central**Blood Mercury Level and Its Determinants among Dental Practitioners in Hamadan, Iran.**

Journal of dentistry (Tehran, Iran)

2010 | journal-article

PMID: [21998776](#)PMC: [PMC3184749](#)[Show more detail](#)**Source:** shahin kasraei via Europe PubMed Central**The effect of a 16% carbamide peroxide gel on mercury and silver ion release from admixed and spherical dental amalgams**

Journal of Contemporary Dental Practice

2010 | journal-article

EID: 2-s2.0-80054057630

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**The Effect of a 16% Carbamide Peroxide Gel on Mercury and Silver Ion Release from Admixed and Spherical Dental Amalgams**

The Journal of Contemporary Dental Practice  
2010 | journal-article  
DOI: [10.5005/jcdp-11-6-9](https://doi.org/10.5005/jcdp-11-6-9)  
Part of ISSN: [1526-3711](https://doi.org/10.5005/jcdp-11-6-9)

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**The effect of a 16% carbamide peroxide gel on mercury and silver ion release from admixed and spherical dental amalgams.**

The journal of contemporary dental practice  
2010 | journal-article  
PMID: [21203732](https://pubmed.ncbi.nlm.nih.gov/21203732/)

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Source: shahin kasraei via Europe PubMed Central ★ Preferred source (of 3)

**PMMA-grafted nanoclay as novel filler for dental adhesives.**

Dental materials : official publication of the Academy of Dental Materials  
2009-03 | journal-article  
PMID: [18829096](https://pubmed.ncbi.nlm.nih.gov/18829096/)  
DOI: [10.1016/j.dental.2008.08.005](https://doi.org/10.1016/j.dental.2008.08.005)

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**Evaluation of salivary albumin in diabetic patients**

Iranian Journal of Public Health  
2009 | journal-article  
EID: 2-s2.0-70349999395

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**Root Canal Configuration of One-rooted Mandibular Canine in an Iranian Population: An In Vitro Study.**

Journal of dental research, dental clinics, dental prospects  
2008-05 | journal-article  
PMID: [23285327](https://pubmed.ncbi.nlm.nih.gov/23285327/)  
PMC: [PMC3533635](https://pubmed.ncbi.nlm.nih.gov/23285327/)  
DOI: [10.5681/joddd.2008.006](https://doi.org/10.5681/joddd.2008.006)

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