

## Root Canal Obturation

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### Recent Publications on Root Canal Obturation:

- [An in vitro evaluation of the apical sealing ability of new polymeric endodontic filling systems.](#)  
*OBJECTIVE: The objective of this study was to compare the short-term...*18th November, 2009  
Department of Endodontics, Baskent University, Faculty of Dentistry,- Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 2009 Aug;108(2):e49-54. ([DOI Direct Link](#))
- [Impact of smear layer on sealing property of root canal obturation using 3 different techniques and sealers. Part I.](#)  
*OBJECTIVE: The objective of this study was to determine the influence of...*31st October, 2009  
Endodontist, Department of Endodontics, Dental School, University of- Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 2009 Oct 27. ([DOI Direct Link](#))
- [Effect of timing and method of post space preparation on sealing ability of remaining root filling material: in vitro microbiological study.](#)  
*OBJECTIVE: To evaluate the effect of timing (immediate versus delayed) and...*21st October, 2009  
Universidade Federal do Rio Grande do Sul, Faculdade de Odontologia, Rua- J Can Dent Assoc. 2009 Oct;75(8):583.
- [Case Series: root healing with MTA after horizontal fracture.](#)  
*BACKGROUND: Root fractures in permanent teeth are uncommon injuries and...*20th October, 2009  
Department of Paediatric Dentistry, Istanbul University, Capa- Fatih,- Eur Arch Paediatr Dent. 2009 Jun;10(2):110-3.
- [Sealing ability of ProRoot MTA and MTA-Angelus simulating a one-step apical barrier technique--an in vitro study.](#)  
*Endodontic treatment of the pulpless tooth with an immature root apex...*14th October, 2009  
Department of Pedodontics & Preventive Dentistry, A.B. Shetty Memorial- J Clin Pediatr Dent. 2009 Summer;33(4):305-10.
- [Evidenced-based review of clinical studies on the root apex.](#)  
*The practice of endodontics requires expertise in a number of clinical...*13th October, 2009  
- J Endod. 2009 Aug;35(8):1158-9. ([DOI Direct Link](#))
- [Evidenced-based review of clinical studies on non-surgical endodontic treatment.](#)  
*Non-surgical endodontic treatment represents a cornerstone of contemporary...*13th October, 2009  
- J Endod. 2009 Aug;35(8):1139-44. ([DOI Direct Link](#))
- [A comparison of techniques for obturating oval-shaped root canals.](#)  
*This study compared the effectiveness of three obturation techniques for...*9th October, 2009  
Department of Periodontics and Endodontics, Tsurumi University School of- Dent Mater J. 2009

- May;28(3):290-4.
- [Radiopacity of an endodontic core material.](#)  
*PURPOSE: To evaluate and compare the relative density values of a new...*23rd September, 2009  
Department of Operative Dentistry and Endodontics, Faculty of Dentistry,- Am J Dent. 2009  
Jun;22(3):157-9.
  - [Development of a basic root canal treatment \(BRT\) for primary oral health care--evaluation after one year.](#)  
*OBJECTIVES: Atraumatic Restorative Treatment (ART) was a major step...*23rd September, 2009  
Department of Operative and Preventive Dentistry, Faculty of Dental- Int Dent J. 2009 Jun;59(3):141-7.
  - [\[Clinical evaluation of root canal obturation of GuttaFlow.\]](#)  
*PURPOSE: To evaluate the clinical effects of GuttaFlow on root canal...*18th September, 2009  
Department of Emergency, Peking University School and Hospital of- Shanghai Kou Qiang Yi Xue.  
2009 Aug;18(4):380-2.
  - [Depth and percentage of penetration of endodontic sealers into dentinal tubules after root canal obturation using a lateral compaction technique: a confocal laser scanning microscopy study.](#)  
*OBJECTIVE: The aim was to compare the percentage and depth of sealer...*1st September, 2009  
Postgraduate student, Department of Endodontics, Dental School of Bauru,- Oral Surg Oral Med Oral  
Pathol Oral Radiol Endod. 2009 Sep;108(3):450-7. ([DOI Direct Link](#))
  - [Tools to judge the quality of an endodontic system.](#)  
*Non-surgical endodontic treatment represents a cornerstone of contemporary...*28th August, 2009  
- Dent Today. 2009 Jul;28(7):88, 90.
  - [Lasers as aids for cleaning, shaping, and obturation of the root canal system.](#)  
*Non-surgical endodontic treatment represents a cornerstone of contemporary...*28th August, 2009  
Department of Endodontics, Hamedan University of Medical Sciences,- Dent Today. 2009  
Jul;28(7):81-2, 84, 86; quiz 87, 80.
  - [\[Replantation of the second molar in the mandible after unsuccessful endodontic treatment\]](#)  
*A mandibular second molar after several unsuccessful attempts for...*8th August, 2009  
Maganfogorvos, Budapest.- Fogorv Sz. 2009 Jun;102(3):111-5.

## Root Canal Obturation Patents:



- 7470124- [Instrument for delivery of optical energy to the dental root canal system for hidden bacterial and live biofilm thermolysis](#)
- 4766200- [Process for improving the melt flow index of thermoplastic polymers](#)
- 4882407- [Thermoplastic endodontic composition having improved melt flow index](#)
- 4966952- [Thermoplastic polymer composition comprising trans 1,4-polyisoprene](#)
- 5215461- [Endodontic appliance and related method](#)
- 5575657- [Hydraulic endodontia device](#)
- 5648403- [Antimicrobial gutta percha cone](#)
- 6010335- [Endodontic device for applying a filler material to a root canal of a tooth](#)
- 6028125- [Dental root canal filling, retrofilling, and perforation repair materials](#)
- 6106283- [Root canal obturation instrument](#)
- 6197846- [Dental root canal filling, retrofilling, and perforation repair material](#)
- 6239705- [Intra oral electronic tracking device](#)

- 6416320- [Dental instrument for use in root canal obturation](#)
- 6602516- [Antibiotic/medicated gutta percha point](#)
- 7083672- [Method and product for phosphosilicate slurry for use in dentistry and related bone cements](#)
- 7125254- [Apparatus and method for root canal obturation](#)
- 7306459- [Method and apparatus for filling a dental root canal](#)
- 4632977- [Method of plasticizing thermoplastic polymers](#)

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