

Ausgabe: ZWP Spezial 12/17, S. 4-9

Thema: Zahnerhalt um jeden Preis? – Möglichkeiten und Grenzen in der Endodontie

Autor: Dr. Andreas Simka, Hamburg

1 AAOMR. AAE and AAOMR joint position statement. Use of cone-beam-computed tomography in endodontics, 2010.

2 Andrabi SM, Kumar A, Zia A, Iftexhar H, Alam S, Siddiqui S. Effect of passive ultrasonic irrigation and manual dynamic irrigation on smear layer removal from root canals in a closed apex in vitro model. *J Investig Clin Dent*. 2014 Aug;5(3):188-93. doi: 10.1111/jicd.12033. Epub 2013 Apr 17.

3 Clegg MS, Vertucci FJ, Walker C, Belanger M, Britto LR: The effect of exposure to irrigant solutions on apical dentin biofilms in vitro. *J Endod* 32, 434–437 (2006).

4 Ferrari M, Mason PN, Goracci C, Pashley DH, Tay FR. Collagen degradation in endodontically treated teeth after clinical function. *J Dent Res*. 2004;83(5):414-9.

5 Fleming C H, Litaker M S, Alley L W, Eleazer P D. Comparison of classic endodontic techniques versus contemporary techniques on endodontic treatment success. *J Endod*. 2010; 36 414-418.

6 Holcomb J, Gregory W. Calcific metamorphosis of the pulp. Its incidence and treatment. *Oral Surg Oral Med Oral Pathol* 1967; 24:825-830.

7 Hülsmann M, Schinkel I, Influence of several factors on the success or failure of removal of fractured instruments from the root canal. *Endod Dent Traumatol* 15: 252-258 (1999).

8 Kvist T. Endodontic retreatment. Aspects of decision making and clinical outcome. *Swed Dent J Suppl* 2001;144:1–57.

9 Li LL, Wang ZY, Bai ZC, Mao Y, Gao B, Xin HT, et al. Three-dimensional finite element analysis of weakened roots restored with different cements in combination with titanium alloy posts. *Chin Med J (Engl)*. 2006;119(4):305-11.

10 Marending M, Luder HU, Brunner TJ, Knecht S, Stark WJ, Zehnder M: Effect of sodium hypochlorite on human root dentine – mechanical, chemical and structural evaluation. *Int Endod J* 40, 786–793 (2007).

11 Matherne R P, Angelopoulos C, James C. Kulild J C, Tira D. Use of cone-beam computed tomography to identify root canal systems in vitro. *J Endod*, 34(1):87–89, 2008.

12 Niu W, Yoshioka T, Kobayashi C, Suda H: A scanning electron microscopic study of dentinal erosion by final irrigation with EDTA and NaOCl solutions. *Int Endod J* 35, 934–939 (2002).

13 Parashos P, Messer H: Rotary NiTi instrument fracture and its consequences. *J Endod* 32: 1031-1043 (2006).

14 Patel S, Dawood A, T. Pitt Ford T R, Whaites E. The potential applications of cone beam computed tomography in the management of endodontic problems. *Int Endod J*, 40(10):818–830,

2007.

15 Penesis V A, Fitzgerald P I, Fayad M I et al. Outcome of one-visit endodontic treatment of necrotic teeth with apical periodontitis: a randomized controlled trial with one-year evaluation. *J Endod.* 2008; 34 251-257.

16 Pitt Ford T R, Torabinejad M, McKendry D J, Hong C U, Kariyawasam S P: Use of mineral trioxide aggregate for repair of furcal perforations. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod* 79: 756–763 (1995).

17 Scarfe W C, Levin M D, Gane D, Farman A G. Use of cone beam computed tomography in endodontics. *Int J Dent*, 2009:634567, 2009.

18 Schäfer E, Bössmann K. Antimicrobial efficacy of chlorhexidine and two calcium hydroxide formulations against *Enterococcus faecalis*. *J Endod.* 2005; 31 53-56.

19 Schulze R, Deppe H, Betz W, Maager B, Beuer F, Ritter L, Bargholz C, Ahlers O, Terheyden H, Hirsch C, Braumann B, Hirschfelder U, Haßfeld S, Eickholz P, Edelhoff D, Jacker-Guhr S, Beck J, Appel T. s2k-Leitlinie: Dentale digitale Volumentomographie, 2013.

20 Senia E S, Wildey W L. Single-visit endodontics, Part 1. Are we there yet?. *Dent Today.* 2003; 22 120-122 124-127.

21 Spili P, Parashos P, Messer HH: The impact of instrument fracture on outcome of endodontic treatment. *J Endod* 2005; 31:845–850.
→ Fragment im Zahn belassen-

22 Torabinejad M, Hong C U, Pitt Ford T R, Kettering J D: Cyto- toxicity of four root end filling materials. *J Endod* 21: 489–492 (1995).

23 Torabinejad M, Pitt Ford T R, McKendry D J, Abedi H R, Miller D A, Kariyawasam S P: Histologic assessment of mineral tri- oxide aggregate as a root-end filling in monkeys. *J Endod* 23: 225–228 (1997).