

## **Literatur**

### **Wurzelkanalfeilen der fünften Generation**

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Endodontie Journal 2/2013

1. Schilder H: Cleaning and shaping the root canal, *Dent Clin North Am* 18:2, pp. 269-296, April 1974.
2. Walia HM, Brantley WA, Gerstein H: An initial investigation of the bending and torsional properties of Nitinol root canal files, *J Endod* 14:7, pp. 346-351, 1988.
3. Thompson SA: An overview of nickel-titanium alloys used in dentistry, *Int Endod J* 33:4, pp. 297-310, 2000.
4. Bryant ST, Dummer PM, Pitoni C, Bourba M, Moghal S: Shaping ability of .04 and .06 taper ProFile rotary nickel-titanium instruments in simulated root canals, *Int Endod J* 32:3, pp. 155-164, 1999.
5. Kramkowski TR, Bahcall J: An in vitro comparison of torsional stress and cyclic fatigue resistance of ProFile GT and ProFile GT Series X rotary nickel-titanium files, *J Endod* 35:3, pp. 404-407, 2009.
6. Machtou, P, Ruddle CJ: Advancements in the design of endodontic instruments for root canal preparation, *Alpha Omegan* 97:4, pp. 8-15, 2004.
7. Schäfer E, Vlassis M: Comparative investigation of two rotary nickel-titanium instruments: ProTaper versus RaCe. Part 2. Cleaning effectiveness and shaping ability in severely curved root canals of extracted teeth, *Int Endod J* 37:4, pp. 239-248, 2004.
8. Ruddle CJ: The ProTaper endodontic system: geometries, features, and guidelines for use, *Dent Today* 20:10, pp. 60-67, 2001.
9. Boessler C, Paque F, Peters OA: The effect of electropolishing on torque and force during simulated root canal preparation with ProTaper shaping files, *J Endod* 35:1, pp. 102-106, 2009.

10. Gutmann JL, Gao Y: Alteration in the inherent metallic and surface properties of nickel-titanium root nickel root canal instruments enhance performance, durability and safety: a focused review, *Int Endod J* 45:2, pp. 113-128, 2012.
11. Metzger Z, Teperovich E, Zary R, Cohen R, Hof R: The self-adjusting file (SAF). Part 1: respecting the root canal anatomy—a new concept of endodontic files and its implementation, *J Endod* 36:4, pp. 679-690, 2010.
12. Yared G: Canal preparation using only one Ni-Ti rotary instrument: preliminary observations, *Int Endod J* 41:4, pp. 339-344, 2008.
13. Hashem AA, Ghoneim AG, Lutfy RA, Foda MY, Omar GA: Geometric analysis of root canals prepared by four rotary NiTi shaping systems, *J Endod*, 38:7, pp. 996-1000, 2012.
14. Blum JY, Machtou P, Ruddle CJ, Micallef JP: Analysis of mechanical preparations in extracted teeth using the ProTaper rotary instruments: value of the safety quotient, *J Endod* 29:9, pp. 567-575, 2003.
15. West JD: The endodontic glidepath: secret to rotary safety, *Dent Today* 29:9, pp. 86, 88, 90-93, 2010.
16. Dentsply International, personal communication.
17. Johnson E, Lloyd A, Kuttler S, Namerow K: Comparison between a novel nickel-titanium alloy and 508 nitinol on the cyclic fatigue life of ProFile 25/.04 rotary instruments, *J Endod* 34:11, pp. 1406-1409, 2008.